

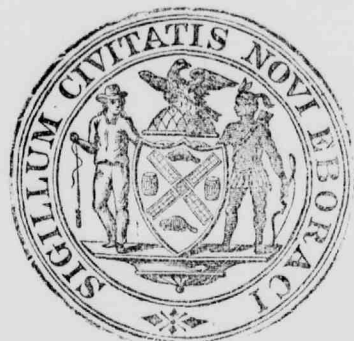
THE CITY RECORD.

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DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending September 30, 1891.

DEPARTMENT OF PUBLIC WORKS—COMMISSIONER'S OFFICE,
No. 31 CHAMBERS STREET,
NEW YORK, October 16, 1891.

Hon. HUGH J. GRANT, Mayor:

DEAR SIR—In accordance with section 49 of the New York City Consolidation Act of 1882, I have the honor to present the following report of the transactions of the Department of Public Works for the quarter ended September 30, 1891:

SUMMARY OF EXPENDITURES.

(Being amount of requisitions drawn on the Comptroller.)

On account of appropriations raised by taxation (Consolidation Act of 1882, section 189)	\$918,280 57
On account of Local Improvement Fund for Street Improvements (Consolidation Act, sections 144 and 150)	365,698 48
On account of Funded Debt, for improvement and extension of water supply (Consolidation Act, section 141)	65,907 74
On account of Repavement Fund (chapter 346, Laws of 1889)	263,225 67
On account of Criminal Court-house Fund (chapter 371, Laws of 1887)	134,009 10
On account of Fund for One Hundred and Fifty-fifth Street Viaduct (Consolidation Act, section 144, and chapter 546, Laws of 1887)	42,732 85
On account of Fund for Public Building, Twelfth Ward (chapter 487, Laws of 1890)	48,618 98
On account of Special Fund, for restoring pavements over street openings (Revised Ordinances of 1880, sections 354 to 357)	11,101 14
On account of Revenue Bonds, for furnishing and setting water-meters (Consolidation Act, sections 151 and 352)	5,201 68
Total	\$1,854,776 21

SUMMARY STATEMENT OF CONTRACTS.

Contracts Entered Into during the Quarter.

21 sewer contracts, estimated cost	\$66,256 15
35 regulating and grading contracts, estimated cost	187,436 02
15 paving contracts, assessment work, estimated cost	260,778 79
4 repaving contracts, estimated cost	124,409 40
3 contracts for water-mains, estimated cost	35,598 04
5 contracts for fencing vacant lots, estimated cost	706 41
5 miscellaneous contracts, estimated cost	90,767 00
88 contracts, total estimated cost	\$765,951 81

Contracts Completed during the Quarter.

24 sewer contracts, cost	\$166,023 20
30 regulating and grading contracts, cost	32,548 90
27 paving contracts, assessment work, cost	160,241 51
28 repaving contracts, cost	508,142 54
4 contracts for water-mains, cost	186,696 31
5 miscellaneous contracts, cost	52,552 27
118 contracts, total cost	\$1,106,204 73

BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

The dry weather which began late last April continued throughout the summer season to the close of the last quarter, with but brief intermissions of rainfall, principally in local showers. On May 15 water ceased running over the Croton Dam, and after May 19 the natural flow of the Croton river had been diminished below the requirements of the City's daily water supply, and continued to decrease until at times it was necessary to draw upon the water stored in the reservoirs and lakes in the Croton water-shed at the rate of over 130,000,000 gallons per day. When these draughts began there were 12,000,000,000 gallons of water stored in the reservoirs, lakes and ponds, of which 9,500,000,000 gallons were drawn by September 30, leaving but 2,500,000,000 gallons available. In considering the situation it must be remembered that the City is now receiving 150,000,000 gallons of water per day from the Croton water-shed, 70,000,000 gallons through the old, and 80,000,000 gallons through the New Aqueduct, and that prior to the introduction of the additional supply through the New Aqueduct the maximum daily supply received and distributed in the City was 95,000,000 gallons. During the droughts of 1880 and 1881 the total storage capacity of 9,000,000,000 gallons was so much exhausted that the supply delivered through the Old Aqueduct had to be reduced considerably below that figure. The necessity of curtailing the supply through the two aqueducts this season has not yet arrived, and in all probability it will be averted by sufficient rainfall, but there is serious admonition of the necessity of increasing the storage capacity by the speedy completion of the reservoirs now in course of construction. The completion of the double reservoir on the east branch of the Croton (Sodom and Bog Brook), under the direction of the Aqueduct Commissioners, will add 4,000,000,000 gallons to the storage, and this should be assured before the advent of next summer. The Aqueduct Commissioners are also building Reservoir D on the west branch of the Croton, and Reservoir M on Titicus river, and this Department is making steady progress with the construction of Reservoir A on the Muscote river.

At the close of last August and the beginning of September, the publications and discussions in the newspapers of analyses of the Croton water made by chemists in the service of the Health Department created great public alarm that the City's water supply was so contaminated with nitrites and other dangerous ingredients as to seriously threaten the outbreak and spread of typhoid epidemics. The facts and figures given in my report to you of September 22 on this subject show that these fears were groundless; that the actual condition of the water compares favorably with that in other large cities and with other periods in the history of our own supply, and that this Department is vigilant and energetic in using all the authority vested in it by law and all the means at its disposal to protect the water supply from contamination. No evidence of danger to the public health on account of the condition of the water supply has appeared, and the public excitement and alarm subsided as rapidly as they were created.

An average daily supply of 14,000,000 gallons of water has been received through the Bronx river conduit, for which 1,200,000,000 had to be drawn from the water stored in the Kensico Reservoir and the Rye Ponds Reservoir. This, added to the 150,000,000 received from the Croton water-shed, makes the daily supply distributed in the City 164,000,000 gallons.

The work on the Old Aqueduct has been confined to the ordinary maintenance, care and repair of the structure and grounds. The contract for completing the excavation of the Old Central Park Reservoir to a uniform depth was declared abandoned and forfeited in July last, on account of the failure of the contractor to prosecute the work in a proper manner and with the necessary diligence, and a new contract for the unfinished portion of the work has been made by public letting to the lowest bidder.

The New Aqueduct was handed over to the care of this Department by the Aqueduct Commissioners on July 1, and has been steadily operated without interruption or accident.

During the dry and hot season the consumption of water has at times exceeded the supply delivered by the Old and New Aqueducts and the Bronx river conduit to the extent of reducing the depth of water in the city reservoirs three feet, causing a corresponding reduction in the pressures in the distributing mains and the height at which water is delivered in the houses. In extending the water service into new streets and improving it in the older sections of the city, 1,236 lineal feet of 36-inch water-mains, 19,434 lineal feet of 12-inch water-mains and 21,926 lineal feet of 6-inch water-mains have been laid and 65 stop-cocks and 71 fire-hydrants have been placed.

The water-meter service has been extended by placing 703 additional meters, making a total of 23,240 meters now in use.

BUREAU OF WATER PURVEYOR.

The following is a summary of the area of new pavements laid during the quarter:

Granite-block Pavements.

	Square Yards.
Assessment work	8,680
Repavements within land grants	31,705
Repavements under annual appropriation	43,217
Repavements under special appropriation	63,680
Total granite-block pavements	147,282
Asphalt repavements	92,637
Total new pavements laid	239,919

In the repairs of pavements an average force of 227 mechanics, 250 laborers, 74 carts and 3 teams has been employed, and the area of pavements relaid by them is 137,574 square yards. Under several contracts awarded to the lowest bidder by public letting 21,594 square yards of pavements were relaid.

The present mileage and area of paved streets on Manhattan Island is as follows:

	SQUARE YARDS.	MILES.
Specification granite	2,669,690	122.21
Square granite blocks	671,789	25.80
Specification trap blocks	1,247,194	67.42
Square trap blocks	2,536,282	106.63
Cobble	39,329	1.60
Asphalt	473,745	21.25
Macadam	823,786	23.03
Wood	516	.03
Totals	8,462,331	367.97

The cable railroad constructions on Broadway and on Third avenue have kept these two great thoroughfares in a state of disruption throughout the season, and have given rise to many complaints on account of obstructions to public travel, interference with business and many discomforts and inconveniences. To a large extent these are inseparable from works of this character and magnitude, however carefully and diligently conducted. On Broadway the work has been progressed with reasonable energy and diligence, and is now fortunately very near completion, including the laying of the new granite-block pavement on concrete foundation and with joints filled with tar and gravel. The completed portions of the work show what a great improvement it is to this main artery of the City's business and traffic. It will make Broadway one of the best paved streets in the world.

On Third avenue the cable construction has been carried on in a dilatory and slovenly manner, until the strenuous and unremitting efforts of the Department, with notice of summary measures and total suspension of the work, have at last produced considerable improvement in the manner of conducting it and in the rate of its progress. The laying of the new pavement on this route, including Park Row, Chatham Square, the Bowery and Third avenue to Fifty-ninth street, all of which have been under contract for some time, must again be postponed to the succeeding year on account of the non-completion of this cable road.

For other underground structures and their lateral or house-connections 4,496 separate excavations were made in the public streets during the quarter: 12.34 miles of gas-mains; 13.41 miles of electric conduits and 1,943 lineal feet of steam-pipes were placed, and 13.15 miles of street-car tracks were laid.

In the repairs of water-mains, stop-cocks and fire-hydrants, under the charge of the Bureau of Water Purveyor, an average force of 37 mechanics, 91 laborers and 15 carts has been employed, and in connection with this work 159 new fire-hydrants have been placed.

In accordance with resolutions of the Common Council 20 new public drinking-hydrants have been placed in locations where the vehicle traffic requires conveniences for watering animals.

OFFICE OF THE ENGINEER IN CHARGE OF SEWERS.

During the quarter 18 contracts for new sewers and 13 contracts for the construction of receiving-basins were completed, and at the close of the quarter work was in progress on 30 sewer contracts and 3 contracts for receiving-basins. Under all the contracts 10,290 lineal feet of new sewers and 9 receiving-basins were built, and the sewerage system on Manhattan Island now includes 442.43 miles of sewers, with 5,301 receiving-basins.

The principal improvements completed during the quarter are:

- The collective or marginal sewer on West street, between Dey and Murray streets.
- Alterations and improvements to sewer in Mercer street, between Canal and Grand streets.
- Alterations and improvements to sewer in Essex street, between Delancey and Broome streets.
- Extension of outlet-sewer in Rivington street at the East river.
- Sewer in Ninetieth street, between Avenue A and Second avenue.

The following is a summary of work done in repairing and cleaning sewers during the quarter:

- 1,654 receiving-basins cleaned.
- 11,446 lineal feet of sewers cleaned.
- 223,600 lineal feet of sewers examined.
- 78 lineal feet of brick sewer built.
- 257 lineal feet of brick sewer repaired.
- 42 lineal feet of culvert and spur-pipe laid.
- 194 manhole heads reset.
- 11 basin-heads reset.
- 27 receiving-basins repaired.
- 1 new manhole built.
- 7 manholes repaired.
- 71 new manhole heads placed.
- 98 new manhole covers placed.
- 2 new granite basin-heads set.
- 21 new basin-covers placed.
- 6,250 cubic yards earth excavated and refilled.
- 3,811 cart-loads of sewer deposits removed.

BUREAU OF STREET IMPROVEMENTS.

Under this Bureau work has been in progress during the quarter on 24 contracts for regulating and grading streets, 9 contracts for curbing and flagging sidewalks and 7 contracts for fencing vacant lots, of which 4 regulating and grading contracts, 6 flagging contracts and 7 fencing contracts were completed.

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

- 8,326 cubic yards earth excavated.
- 25,369 cubic yards rock excavated.
- 51,182 cubic yards filling placed in embankments.
- 8,029 lineal feet new curb-stones set.
- 3,169 lineal feet curb-stone reset.
- 56,006 square feet new flagging laid.
- 11,862 square feet flagging relaid.
- 3,830 lineal feet picket fence built.

BUREAU OF STREETS AND ROADS.

The maintenance, repairs and sprinkling of the macadam roadways under the charge of this Bureau have received constant attention, and the work is summarized as follows:

- 55,467 square yards of roadways resurfaced and repaired.
- 82 square yards of gutters repaved.
- 520 square feet of bridge stones for crosswalks relaid.
- 2,948 truck-loads of dirt removed.
- 4,374 truck-loads broken stone and screenings used.
- 812 truck-loads of gravel used.
- 147 truck-loads of gravel screenings used.
- 70 truck-loads of sand used.

In the care and repairs of unpaved streets and country roadways in the upper part of this city, which are also under the charge of this Bureau, the following work was done:

- Two miles of roadways regraded.
- 2,150 truck-loads of stone placed in embankments.
- 1,052 truck-loads of earth placed in regrading streets.
- 440 square yards of roadway macadamized.
- 34 truck-loads of refuse removed from streets.

BUREAU OF LAMPS AND GAS.

The following are the additions and changes made in lighting the public streets, parks and places:

- 199 new gas-lamps placed and lighted.
- 58 new electric-lamps fitted up and lighted.
- 69 old gas-lamps relighted.
- 1 electric-lamp relighted.
- 256 gas-lamps displaced by electric-lights.
- 89 gas-lamps temporarily discontinued on account of street improvement works.

At the close of the quarter there were 26,557 gas-lamps, 1,165 electric-lamps and 138 naphtha-lamps in use on the streets, avenues, roads, parks, docks and bridges of the city.

BUREAU OF REPAIRS AND SUPPLIES.

The work done under the direction of this Bureau in the erection of new buildings and repairs and improvements of old buildings is summarized as follows:

New Criminal Court Building.

The work on this building has hitherto been much delayed on account of the difficulty of obtaining the many large pieces of granite required for its construction, of the proper quality, appearance and dimensions, but, at the close of the quarter, very nearly all the granite had been quarried and cut and the greater portion of it set in place, so that there will be no further delay on this account. The walls in the marble arcade are finished to the height of the second story; the

interior walls, except adjoining the Centre street front, are up to the level of the fourth tier of beams; the iron beams, girders and columns of the fourth story have been put in place.

For the heating and ventilating apparatus 4 steel boilers, 4 steam engines, 2 air fans, 4 elevator pumps, 2 feed pumps, 2 blow-off tanks, 2 discharge tanks and 2 hot-water tanks have been put in place.

Harlem Court-house.

The cut-stone front of this building is finished to the second story; nearly all the interior walls are up to the level of the fourth story; the rear walls are to the level of the third story, and the outside walls, inclosing the prison cells, are up to the full height. According to present indications this building will be completed within the contract time of 400 days.

Old Court Buildings.

In the Supreme Court rooms the walls, ceilings and cornices have been painted; an additional room has been fitted up for filing documents in the County Clerk's offices; the halls and corridors of the County Court-house have been painted, and 4 new boilers placed in the basement; new water-closets and urinals have been placed in the Hall of Records; numerous minor repairs have been made in buildings occupied by the Police Courts and the District Civil Courts.

Public Markets.

A contract has been made by public letting for extensive improvements on the Clinton Market Building, including the removal of the sheds from the sidewalk, laying about 4,000 square feet of new flooring, extensive repairs to the roof and skylights, repairing plastering, painting the interior and exterior, and placing new galvanized iron cornices on the Spring street and Washington street fronts, all of which work is nearly completed.

A contract has also been made by public letting for the reconstruction and restoration of the building in West Washington Market recently damaged by fire. This contract includes fire-proof ceilings and partitions, extending to the peak of the roof, to lessen the danger from fire.

Free Floating Baths.

The 15 free floating baths were placed in their respective berths for the bathing season during the month of June, the berths being selected at places as convenient as possible to densely populated tenement-house districts, and as distant as practicable from sewer outlets. The berths are annually assigned by the Department of Docks, and in some cases it was impossible to obtain suitable berths at the desired distances from sewer outlets. Two of the berths first assigned by the Dock Department at the foot of East Eighty-sixth street and at the foot of West Fiftieth street, respectively, had to be changed on this account.

The total attendance at all the baths from the beginning of the season to the close of the quarter was 2,350,362 males and 1,081,967 females.

BUREAU OF INCUMBRANCES.

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

- 1,175 complaints of obstructions received and attended to.
- 828 seizures and removals of obstructions made.
- 2,080 permits issued to place building materials on streets.
- 8 permits issued to cut down shade-trees.
- 255 miscellaneous permits issued.
- 5 notices issued to repair defective vault covers.
- 210 dead and dangerous shade-trees, stumps and posts removed.
- 310 telegraph poles removed.
- 350 miles of electric wires removed.
- 54 cart-loads of dirt, stone and other refuse removed from streets.

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.....	\$1,424,162 50
For penalties on water rents.....	2,839 95
For permits to tap water-pipes.....	3,242 50
Total.....	\$1,430,244 95

MISCELLANEOUS REVENUE.

The following amounts were also collected from various sources and paid into the City Treasury during the quarter:

For sewer permits.....	\$9,183 01
For vault permits.....	40,557 72
For redemption of street obstructions.....	435 75
For articles sold at auction.....	482 18
For work and materials furnished citizens.....	901 71
For restoration of pavement over street openings.....	13,340 50
For furnishing and setting water-meters.....	1,493 80
Total.....	\$66,394 67

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.
- Document D—Report of the Chief Engineer of Croton Aqueduct.
- Document E—Report of the Water Purveyor.
- Document F—Report of the Engineer in Charge of Sewers.
- Document G—Report of the Superintendent of Street Improvements.
- Document H—Report of the Superintendent of Streets.
- Document I—Report of the Superintendent of Lamps and Gas.
- Document K—Report of the Superintendent of Repairs and Supplies.
- Document L—Report of the Superintendent of Incumbrances.
- Document M—Report of the Water Register.

Very respectfully,

THOS. F. GILROY, Commissioner of Public Works.

Document "A."

Showing Titles of Appropriations; Appropriations and Transfers of 1890; Requisitions from January 1, 1890, to July 1, 1891; Requisitions on Liabilities of 1890 during Third Quarter, 1891; Balances of 1890, October 1, 1891; Appropriations with Transfers, 1891; Requisitions, First Six Months, 1891; Requisitions, Third Quarter, 1891; Balances, October 1, 1891; the Titles and Expenditures on Trust and Special Accounts and Receipts for the First Nine Months, 1891.

TITLES OF APPROPRIATIONS.	APPROPRIATIONS, INCLUDING TRANSFERS, 1890.	REQUISITIONS FROM JANUARY 1, 1890, TO JULY 1, 1891.	REQUISITIONS ON LIABILITIES OF 1890, DURING THIRD QUARTER, 1891.	BALANCES OF 1890, ON OCTOBER 1, 1891.	APPROPRIATIONS WITH TRANSFERS FOR 1891.	REQUISITIONS, FIRST SIX MONTHS, 1891.	REQUISITIONS, THIRD QUARTER, 1891.	BALANCES, OCTOBER 1, 1891.
Aqueduct—Repairs, Maintenance and Strengthening—								
Care, Maintenance and Repairs.....	\$180,000 00	\$168,224 56	\$11,032 00	\$743 44	.....	.....	.....	.....
Completing the Excavation in the Old Central Park Reservoir.....	128,500 00	66,852 00	.....	61,648 00	.....	.....	.....	.....
Building New Gate-house and Removing the Old Gate-house.....	12,283 50	.....	.....	12,283 50	.....	.....	.....	.....
Care, Maintenance and Repairs, including repairs to Old Aqueduct.....	.....	.....	.....	.....	\$200,000 00	\$70,584 60	\$47,293 00	\$32,122 40
Concreting and Facing with Masonry the Old Central Park Reservoir.....	.....	.....	.....	.....	70,000 00	.....	.....	70,000 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	27,000 00	25,693 39	.....	1,306 61	27,850 00	13,257 68	6,720 17	7,872 15

TITLES OF APPROPRIATIONS.	APPROPRIATIONS, INCLUDING TRANSFERS, 1890.	REQUISITIONS FROM JANUARY 1, 1890, TO JULY 1, 1891.	REQUISITIONS ON LIABILITIES OF 1890, DURING THIRD QUARTER, 1891.	BALANCES OF 1890, ON OCTOBER 1, 1891.	APPROPRIATIONS WITH TRANSFERS FOR 1891.	REQUISITIONS, FIRST SIX MONTHS, 1891.	REQUISITIONS, THIRD QUARTER, 1891.	BALANCES, OCTOBER 1, 1891.
Boring Examinations for Grading and Sewer Contracts.....	\$3,600 00	\$3,596 05	.....	\$3 95	\$3,600 00	\$1,927 50	\$899 00	\$773 50
Boulevards, Roads and Avenues, Maintenance of.....	105,000 00	104,880 50	.....	219 50	.....	.....	.....	.....
General Account, including Ramp for Approach to McComb's Dam Bridge.	.....	.....	.....	.....	100,500 00	49,257 63	31,116 38	20,125 99
For Resurfacing Seventh Avenue.....	.....	.....	.....	.....	40,000 00	7,117 74	19,376 07	13,506 19
Boulevards, Roads and Avenues, Maintenance of—Salaries.....	2,500 00	2,499 96	.....	04	2,500 00	1,240 98	624 99	625 03
Bronx River Works—Maintenance and Repairs.....	25,000 00	*24,982 84	.....	17 16	25,000 00	10,085 87	5,739 57	9,174 56
Bronx River Works—Maintenance and Repairs—Salaries.....	2,400 00	2,400 00	.....	.....	2,400 00	1,200 00	600 00	600 00
Contingencies—Department of Public Works.....	4,000 00	3,793 12	.....	206 88	4,000 00	1,286 54	755 00	1,958 46
Flagging Sidewalks and Fencing Vacant Lots, etc.....	3,000 00	1,553 84	.....	1,446 16	2,000 00	.....	78 16	1,921 84
Free Floating Baths—Care and Maintenance.....	17,477 51	17,207 37	.....	110 14	18,000 00	10,047 63	3,571 79	4,380 58
Free Floating Baths—Care and Maintenance—Salaries.....	32,000 00	30,194 50	.....	1,805 50	30,000 00	7,539 50	17,511 00	4,949 50
Lamps and Gas and Electric Lighting—Salaries.....	700,000 00	699,580 20	.....	413 80	700,000 00	306,993 44	187,147 03	265,859 53
Laying Croton Pipes.....	6,500 00	6,405 72	.....	94 28	6,500 00	3,249 99	1,624 95	1,625 15
Public Buildings—Construction and Repairs, including \$3,000 for Alterations, etc.	232,000 00	185,334 26	\$11,481 07	35,184 67	230,290 00	51,070 31	62,181 75	115,037 94
Public Buildings—Salaries.....	18,000 00	17,132 00	.....	868 00	19,710 00	8,190 50	4,156 16	7,373 34
Public Drinking-hydrants.....	94,345 00	86,018 39	5,000 00	3,226 61	98,000 00	36,174 99	17,955 65	43,869 36
Public Drinking-hydrants—Salaries.....	3,000 00	2,690 47	.....	309 53	3,000 00	623 59	1,538 55	837 86
Removing Obstructions in Streets and Avenues.....	1,200 00	1,200 00	.....	.....	1,200 00	284 84	300 00	615 16
Removing Obstructions in Streets and Avenues—Salaries.....	39,839 45	39,839 45	.....	.....	35,000 00	18,229 00	9,659 80	7,111 20
Repairing and Renewal of Pipes, Stop-cocks, etc.....	7,800 00	7,560 55	.....	239 35	7,800 00	3,750 00	2,025 00	2,025 00
For New Fire Hydrants.....	222,785 55	222,531 13	.....	254 42	215,000 00	116,566 61	63,364 70	35,068 69
Repairs and Renewal of Pavements and Regrading.....	.....	.....	.....	.....	50,000 00	.....	790 68	49,203 32
Repairs and Renewal of Pavements and Regrading—Salaries.....	350,000 00	333,782 56	9,372 52	6,844 92	300,000 00	90,473 95	100,455 52	109,070 53
Repaving Streets and Avenues.....	17,000 00	16,342 86	.....	657 14	17,000 00	8,473 00	3,869 00	4,658 00
Repaving Streets and Avenues—Salaries.....	400,000 00	285,349 05	20,138 63	94,512 32	350,000 00	30,030 55	105,717 16	214,252 29
Retaining-walls in East Fifty-first Street and East Forty-second Street.....	13,000 00	9,042 75	.....	3,957 25	13,000 00	6,176 75	3,050 00	3,173 25
Roads, Streets and Avenues Unpaved—Maintenance, etc.....	10,000 00	7,153 65	.....	2,846 35	.....	.....	.....	.....
Salaries—Department of Public Works.....	25,000 00	24,071 56	812 80	115 04	30,000 00	7,318 30	6,071 27	16,610 43
Salaries—Engineer, Clerks, Inspectors, etc.....	92,000 00	91,948 57	.....	51 43	95,000 00	46,097 12	23,203 65	25,699 21
Sewers—Repairing and Cleaning.....	52,000 00	49,308 83	.....	2,691 17	58,000 00	26,878 92	14,723 20	16,397 88
Sewers—Repairing and Cleaning—Salaries.....	100,000 00	155,624 20	2,615 25	1,700 53	125,000 00	45,032 27	29,728 18	50,239 53
Sewerage System—Salaries.....	10,000 00	9,979 32	.....	20 68	10,000 00	4,911 90	2,441 98	2,546 02
Street Improvements—For Surveying, Monumenting, etc.....	3,000 00	5,509 50	.....	249 65	8,600 00	3,046 17	2,100 00	2,553 83
Supplies for and Cleaning Public Offices, etc.....	134,500 00	127,122 11	.....	490 50	3,000 00	1,147 50	637 00	1,215 50
Supplies for and Cleaning Public Offices, etc.—Salaries.....	18,000 00	18,879 20	.....	7,377 89	139,250 00	55,718 37	30,614 35	52,917 28
Supplying Water to Shipping and for Building Purposes—Salaries.....	10,000 00	9,999 50	.....	40 80	18,000 00	9,570 96	4,279 89	5,069 15
Surveys, Maps, etc., for Street Openings, etc.—Salaries.....	10,000 00	9,999 50	.....	50	10,000 00	4,910 00	2,636 50	2,453 50
Water Supply for the Twenty-fourth Ward.....	7,100 00	7,099 92	.....	08	7,100 00	3,549 96	1,774 98	1,775 02
Water Supply for the Twenty-fourth Ward—Salaries.....	4,100 00	4,100 00	.....	.....	6,800 00	1,185 13	1,110 39	4,504 48
Wells and Pumps—Repairing and Cleaning.....	1,200 00	1,100 00	.....	100 00	1,200 00	600 00	300 00	300 00
Wells and Pumps—Repairing and Cleaning.....	250 00	149 58	.....	100 42	250 00	.....	.....	250 00
Totals.....	\$3,184,901 70	\$2,881,971 20	\$60,756 27	\$242,174 23	\$3,145,470 00	\$1,066,678 76	\$818,348 47	\$1,260,442 77

NOTE.—Requisitions drawn in Third Quarter, 1891, on Liabilities of 1889, Laying Croton Pipes, \$3,329.53; Repaving, chapter 346, Laws 1889, \$4,022.20; Sewers, Repairing and Cleaning, \$397.91.

Repaving, chapter 346, Laws 1889.....	\$1,000,000 00	\$512,435 09	\$31,449 19	\$456,115 72	\$1,000,000 00	\$45,823 02	\$263,225 67	\$692,951 31
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* Including taxes, North Castle, \$9.70.

TITLES OF TRUST ACCOUNTS.	BALANCES FROM 1890, AND RECEIPTS FIRST SIX MONTHS, 1891.	RECEIPTS, THIRD QUARTER, 1891.	BALANCES AND RECEIPTS TO OCTOBER 1, 1891.	REQUISITIONS, FIRST SIX MONTHS, 1891.	REQUISITIONS, THIRD QUARTER, 1891.	REQUISITIONS, TO OCTOBER 1, 1891.	BALANCES, OCTOBER 1, 1891.
Croton Water Fund.....	.....	.....	.....	\$86,545 96	\$65,907 74	\$152,453 70	.....
Street Improvement Fund.....	.....	.....	.....	667,032 36	305,698 48	1,032,730 84	.....
Restoring and Repaving—Special Fund—Department of Public Works.....	\$27,290 47	\$13,340 50	\$40,630 97	17,680 77	11,101 14	28,781 91	\$11,849 06
Water Meter Fund, No. 2.....	21,313 53	1,493 80	22,807 33	6,940 32	5,201 68	12,142 00	10,665 33
Criminal Court-house Fund.....	.....	.....	.....	245,744 50	134,009 10	379,753 60	.....
Fund for Viaduct from St. Nicholas place, etc.....	.....	.....	.....	131,234 80	42,732 85	173,967 65	.....
Public Buildings, Twelfth Ward, Construction of.....	.....	.....	.....	19,212 46	48,618 98	67,831 44	.....

Statement of General Bookkeeper, D. P. W., showing all Revenues of the City received through the Department of Public Works during the First Three Quarters of 1891.

SOURCE OF REVENUE.	FIRST AND SECOND QUARTERS.	THIRD QUARTER.	TOTAL.	SOURCE OF REVENUE.	FIRST AND SECOND QUARTERS.	THIRD QUARTER.	TOTAL.
Water rents.....	\$1,052,121 63	\$1,424,162 50	\$2,476,284 13	Use of road roller.....	\$27 00	.....	\$27 00
Water penalties.....	5,740 10	2,839 95	8,580 05	Sales at auction.....	1,357 41	\$482 18	1,839 59
Pipe tapping.....	5,138 00	3,077 50	8,215 50	Work and material furnished citizens.....	6,991 44	901 71	7,893 15
Sewer permits.....	13,876 53	9,183 01	23,059 54	Totals.....	\$1,144,966 15	\$1,421,640 32	\$2,626,606 47
Vault permits.....	58,220 29	40,557 72	98,778 01				
Redemption of street obstructions.....	1,093 75	435 75	1,529 50				

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 September 30, 1891.

APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening, 1891—

Blacksmithing.....	\$162 14
Cement.....	1 607 00
Coal.....	3,899 83
Filter.....	550 00
Horse-hire.....	146 50
Lumber.....	570 04
Laying track.....	771 71
Oil.....	438 98
Pay-rolls.....	33,298 29
Platform scales.....	648 75
Professional services.....	250 00
Repairs to engine.....	680 84
Repairs to platform.....	160 00
Repairs to gate-house roof.....	450 00
Repairs to engine-house roof.....	250 00
Sand.....	338 80
Supplies, hardware.....	1,063 88
Supplies, paint.....	308 97
Supplies, sundry, tools, etc.....	733 71
Taxes.....	799 60
Traveling expenses.....	163 96
Total.....	\$47,293 00

Aqueduct—Repairs, Maintenance and Strengthening, 1890—
Improvement of Old Reservoir, Central Park.....

Boring Examinations for Grading and Sewer Contracts, 1891—	
Oak levers.....	\$18 00
Pay-rolls.....	881 00
Total.....	\$899 00

Boulevards, Roads and Avenues, Maintenance of, 1891—

Hardware supplies, etc.....	\$109 16
Hose.....	85 00
Horse-hire.....	90 00
Pay-rolls.....	29,723 37
Rent of yard.....	1,000 00
Repairs to street sprinklers.....	75 10
Resurfacing Seventh avenue, between One Hundred and Tenth and One Hundred and Forty-fifth streets.....	19,376 07
Telephone service.....	33 75
Total.....	\$50,492 45

Bronx River Works—Maintenance and Repairs, 1891—

Blacksmithing.....	\$43 55
Cement.....	189 00
Pay-rolls.....	5,162 00
Sand.....	45 00
Sundry supplies.....	61 09
Taxes.....	238 93
Total.....	\$5,739 57

Contingencies—Department of Public Works, 1891—

Horse-hire.....	\$270 00
Miscellaneous incidental expenses.....	469 15
Traveling expenses.....	15 85
Total.....	\$755 00

Free Floating Baths—Care and Maintenance, 1891—

Bath supplies.....	\$225 32
Mooring baths.....	250 00
Pay-rolls.....	290 50
Repairs to gang-planks.....	548 90
Towing baths.....	955 00
Traveling expenses.....	100 41
Wharfage.....	1,020 00
Sundry supplies.....	181 66
Total.....	\$3,571 79

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

Rebuilding wooden fence foot of East Fifty-second street.....	\$78 16
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For New Fire-hydrants, 1891—

Fire-hydrants.....	\$796 68
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Lamps and Gas and Electric Lighting, 1891—

Boulevard lamps.....	\$1,260 00
Cross-heads.....	195 00
Fire-alarm signal lamps.....	227 50
Gas examinations.....	402 00
Horse-hire.....	365 00
Lighting public offices.....	8,593 67
Lighting streets.....	170,594 50
Lettering globes.....	65 70
Lamp-irons.....	63 00
Lamp-posts.....	2,487 86
Pay-rolls.....	800 50
Police globes.....	105 00
Rent of Photometrical Rooms.....	240 00
Repairing lamps.....	96 16
Street lamps.....	1,206 90

Lamps and Gas and Electric Lighting, 1891—

Street signs	\$356 25
Sundry supplies	87 99
Total	\$187,147 03

Laying Croton Pipes, 1891—

Cast-iron pipe	\$9,433 95
Changing taps	98 40
Horse-hire	270 00
Laying water-pipes	47,842 13
Pay-rolls	252 25
Removing gas-mains	101 18
Resetting curb	424 90
Stop-cocks, hydrants, etc.	3,504 30
Traveling expenses	254 64
Total	\$62,181 75

Laying Croton Pipes, 1890—

Laying water-pipes	\$11,481 07
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Laying Croton Pipes, 1889—

Laying water-pipes	\$3,329 53
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Public Buildings—Construction and Repairs, 1891—

Armory, Seventh Regiment	\$83 61
" Twelfth	427 60
" Sixty-ninth	386 73
" Seventy-first	9 00
Brown-stone Building	875 87
Bureau of Repairs and Supplies	2,228 97
City Hall	419 45
Court, First District, Civil	30 88
" Sixth	272 26
" Tenth	21 10
" Second " Police	39 10
" Third	14 00
" Seventh	94 56
" Ninth	8 40
" Tombs	355 10
Court-house, County	5,726 31
Hall of Records	502 24
Ludlow Street Jail	42 66
Pay-rolls	3,889 75
Stewart Building	13 00
Staats Zeitung Building	366 17
No. 49 Beekman street	10 85
No. 31 Chambers street	1,150 55
No. 2622 Third avenue	839 00
One Hundred and Nineteenth Street Yard	148 49
Total	\$17,955 65

Public Buildings—Construction and Repairs, 1890—

Court-house, County	\$5,000 00
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Public Drinking-hydrants, 1891—

Drinking-hydrants	\$1,195 90
Repairing hydrants	342 65
Total	\$1,538 55

Removing Obstructions in Streets and Avenues, 1891—

Horse-hire	\$270 00
Pay-rolls	1,204 50
Removing obstructions	1,425 00
Removing poles and wire	5,825 50
Removing trees	738 50
Traveling expenses	196 30
Total	\$9,659 80

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

Cast-iron water-pipe	\$2,093 06
Cement	98 25
Changing taps	111 15
Hardware supplies	558 17
Horse-hire	270 00
Lumber	131 40
Making connection with 48-inch pipe	450 00
Pay-rolls	53,788 60
Repairing fire-hydrants	667 65
Repairing stop-cocks	111 53
Rollers	320 00
Stop-cocks, hydrants, etc.	3,709 67
Setting water-meters	412 38
Sundry supplies, etc.	332 69
Traveling expenses	26 28
Telephone service	283 87
Total	\$63,364 70

Repairs and Renewal of Pavements and Regrading, 1891—

Horse-hire	\$830 00
Laying granite-blocks	865 78
Paving cement	308 32
Pay-rolls	95,307 00
Repairing tools	561 80
Repairing pavement	1,029 70
Rent of lot	537 50
Sperm oil	89 10
Sundry supplies	157 92
Tools	624 45
Traveling expenses	143 35
Total	\$100,455 52

Repairs and Renewal of Pavements and Regrading, 1890—

Cutting granite-blocks	\$750 00
Lanterns	93 88
Pine wood	180 00
Relaying pavement	8,148 64
Rent of lot	200 00
Total	\$9,372 52

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

Boulevard, between Seventy-ninth and Ninety-second streets	\$31,962 00
Fifth avenue, between One Hundred and Twenty-fourth and One Hundred and Thirtieth streets	19,495 84
Forty-fifth street, between Fifth and Sixth avenues	25,574 50
Fifty-seventh street, between Fourth and Madison avenues	4,372 20
Grand street, between Broadway and Goerck street	6,705 48
Mount Morris avenue, between One Hundred and Twentieth and One Hundred and Twenty-fourth streets	17,808 82
Madison avenue, between Sixtieth and Sixty-sixth streets	16,070 44
Ninth street, between Fifth avenue and University place	18,983 41
Twenty-third street, between Third and Tenth avenues	16,513 00
Twenty-sixth street, between Madison avenue and East river	36,416 38

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

Thirty-fifth street, between Madison and Sixth avenues	\$26,467 14
Sixteenth street, between Fifth and Sixth avenues	8,772 89
Seventy-fourth street, between Madison and Fifth avenues	23,195 94
Horse-hire	234 00
Pay-rolls	10,608 43
Traveling expenses	45 20
Total	\$263,225 67

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

Canal street, between Hudson street and Bowery	\$29,597 17
Duane street, between Washington and Centre streets	1,852 02
Total	\$31,449 19

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

Lexington avenue, between Thirty-fourth and Thirty-fifth streets	\$4,022 20
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Repaving Streets and Avenues, 1891—

Beach street, between Washington and Greenwich streets	\$1,451 41
Canal street, between West and Washington streets	7,754 18
Chambers street, between Washington and Greenwich streets	708 10
First avenue, between One Hundred and Ninth and One Hundred and Sixteenth streets	11,850 25
Fulton street, between Broadway and Greenwich street	4,202 68
Franklin street, between West and Washington streets	892 58
Greenwich street, between Fulton and Chambers streets	16,455 24
Harrison street, between West and Washington streets	2,350 99
Hubert street, between Washington and Greenwich streets	999 84
Jay street, between West and Washington streets	3,058 87
North Moore street, between West Broadway and Greenwich street	29,745 46
North Moore street, between West and Greenwich streets	2,269 88
Reade street, between West and Greenwich streets	1,869 33
Spring street, between West and Greenwich streets	5,698 18
Washington street, between Reade and Spring streets	16,413 17
Total	\$105,717 16

Repaving Streets and Avenues, 1890—

Goerck street, between Grand and Third streets	\$2,881 90
Lewis street, between Delancey and Houston streets	119 56
Mangin street, between Grand and Houston streets	5,361 40
Tompkins street, between Grand and Stanton streets	11,775 77
Total	\$20,138 63

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

Pay-rolls	\$304 00
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Roads, Streets and Avenues, Unpaved, Maintenance of, and Sprinkling, 1891—

Horse-hire	\$180 00
Lime-stone	218 40
Lime-stone screenings	268 40
Pay-rolls	4,634 47
Sprinkling wagon	770 00
Total	\$6,071 27

Roads, Streets and Avenues, Unpaved, Maintenance of, and Sprinkling, 1890—

Trap-stones screenings	\$812 80
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Sewers—Repairing and Cleaning, 1891—

Basin-heads	\$455 00
Brick, cement, etc.	265 03
Cleaning sewers	6,109 74
Horse-hire	540 00
Insurance maps	52 00
Manhole heads and covers	592 74
Pay-rolls	21,021 12
Rubber goods	192 60
Sundry supplies, etc.	79 35
Traveling expenses	420 60
Total	\$29,728 18

Sewers—Repairing and Cleaning, 1890—

Basin-heads	\$780 00
Repairing flagging	20 00
Repairing sewers	1,815 25
Total	\$2,615 25

Sewers—Repairing and Cleaning, 1889—

Repairing sewer	\$397 91
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Street Improvements—For Surveying, Monumenting, etc., 1891—

Insurance maps	\$52 00
Pay-rolls	585 00
Total	\$637 00

Supplies for and Cleaning Public Offices, 1891—

Bureau of Repairs and Supplies	\$9,485 19
Brown-stone Building	9 00
City Hall	314 78
" Governors' Room	292 00
Court, Third District Civil	12 70
" Sixth	31 35
" Seventh	7 50
" Ninth	7 50
" Second District Police	11 00
" Fifth	40 00
" Sixth	77 85
" City	66 50
" Common Pleas	117 50
" General Sessions	6 56
" Supreme	162 97
Court-house, County	96 80
Office, Counsel to the Corporation	50 80
" Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards	95 37
" Mayor	64 05
" Sheriff	61 10
" Surrogate	10 35
" Taxes and Assessments	34 15
" Department of Finance	51 35
" Department of Public Works	102 40
Pay-rolls	20,006 78
Seventh Regiment Armory	85 00
Total	\$31,300 55

Water Supply for the Twenty-fourth Ward, 1891—

Supply of water	\$1,110 39
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RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening	\$47,293 00
Aqueduct—Repairs, Maintenance and Strengthening, 1890	11,032 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries	6,720 17

Boring Examinations for Grading and Sewer Contracts	\$899 00
Boulevards, Roads and Avenues, Maintenance of	50,492 45
Boulevards, Roads and Avenues, Maintenance of—Salaries	624 99
Bronx River Works—Maintenance and Repairs	5,739 57
Bronx River Works—Maintenance and Repairs—Salaries	600 00
Contingencies—Department of Public Works	755 00
For New Fire-hydrants	796 68
Flagging Sidewalks and Fencing Vacant Lots in front of City Property	78 16
Free Floating Baths—Care and Maintenance	3,571 79
Free Floating Baths—Care and Maintenance—Salaries	17,511 00
Lamps and Gas and Electric Lighting	187,147 03
Lamps and Gas and Electric Lighting—Salaries	1,624 95
Laying Croton-pipes	62,181 75
Laying Croton-pipes, 1890	11,481 07
Laying Croton-pipes, 1889	3,329 53
Laying Croton-pipes—Salaries	4,156 16
Public Buildings, Construction and Repairs	17,955 65
Public Buildings, Construction and Repairs, 1890	5,000 00
Public Drinking-hydrants	1,538 55
Public Drinking-hydrants—Salaries	300 00
Removing Obstructions in Streets and Avenues	9,659 80
Removing Obstructions in Streets and Avenues—Salaries	2,025 00
Repairing and Renewal of Pipes, Stop-cocks, etc.	63,364 70
Repairs and Renewal of Pavements and Regrading	100,455 52
Repairs and Renewal of Pavements and Regrading, 1890	9,372 52
Repairs and Renewal of Pavements and Regrading—Salaries	3,809 00
Repaving—(Chapter 346, Laws of 1889)	263,225 67
Repaving—(Chapter 346, Laws of 1889), 1890	31,449 19
Repaving—(Chapter 346, Laws of 1889), 1889	4,022 20
Repaving Streets and Avenues	105,717 16
Repaving Streets and Avenues, 1890	20,138 63
Repaving Streets and Avenues—Salaries	3,650 00
Retaining-walls in East Fifty-first Street and East Forty-second Street, 1890	304 00
Roads, Streets and Avenues Unpaved, Maintenance of	6,071 27
Roads, Streets and Avenues Unpaved, Maintenance of, 1890	812 80
Salaries—Department of Public Works	23,203 65
Salaries of Engineer, Clerks, Inspectors and Measurers, etc.	14,723 20
Sewers—Repairing and Cleaning	29,728 18
Sewers—Repairing and Cleaning, 1890	2,615 25
Sewers—Repairing and Cleaning, 1889	397 91
Sewers—Repairing and Cleaning—Salaries	2,441 98
Sewerage System—Salaries	2,100 00
Street Improvements for Surveying, Monumenting, etc.	637 00
Supplies for and Cleaning Public Offices	31,300 55
Supplies for and Cleaning Public Offices—Salaries	4,279 89
Supplying Water to Shipping and for Building Purposes—Salaries	2,636 50
Surveys, Maps, etc., for Street Openings, etc.—Salaries	1,774 98
Water Supply for the Twenty-fourth Ward	1,110 39
Water Supply for the Twenty-fourth Ward—Salaries	300 00

Total.....\$1,182,215 44

TRUST ACCOUNTS.

Croton Water Fund—	
Clerical services	\$982 00
Drawing materials	123 32
Horse feed	180 00
Horse-hire	842 00
Pay-rolls	14,437 96
Professional services	1,700 00
Printing	48 06
Reservoir near Amawalk	41,459 40
Repairing instruments	33 75
Traveling expenses	904 25
Water rights	5,137 00
Total	\$65,907 74

Criminal Court-house Fund—	
Architects' fees	\$3,419 10
Carpenter work	1,101 00
Heating and ventilation	21,615 00
Iron work	10,530 00
Mason work	86,940 00
Pay-rolls	1,404 00
Total	\$134,009 10

Fund for Viaduct from St. Nicholas place, etc.—	
Pay-rolls	\$2,590 75
Work on contract	40,142 10
Total	\$42,732 85

Public Buildings, Twelfth Ward, Construction of—	
Architects' fees	\$1,936 44
Pay-rolls	336 00
Work on contract	49,914 00
Total	\$52,186 44

Restoring and Repaving—Special Fund—	
Pay-rolls	\$4,776 00
Paving cement	159 36
Pine wood	54 00
Repairing asphalt pavement	349 78
Restoring pavement	5,762 00
Total	\$11,101 14

Street Improvement Fund—	
Curbing and flagging	\$9,508 06
Fencing	1,728 34
Paving and crosswalks	138,120 55
Pay-rolls	23,416 85
Regulating, grading, etc.	39,610 06
Sewers	148,457 85
Surveying	4,847 77
Total	\$365,698 48

Water-meter Fund, No. 2—	
Setting meters	\$1,711 68
Water meters	3,490 00
Total	\$5,201 68

RECAPITULATION OF TRUST ACCOUNTS.

Croton Water Fund	\$65,907 74
Criminal Court-house Fund	134,009 10
Fund for Viaduct, from St. Nicholas place, etc.	42,732 85
Public Buildings, Twelfth Ward, Construction of	52,186 44
Restoring and Repaving—Special Fund	11,101 14
Street Improvement Fund	365,698 48
Water-meter Fund, No. 2	5,201 68
Total	\$676,837 43

Document "C."

STATEMENT OF CONTRACTS.

Contracts Entered Into during the Three Months ending September 30, 1891.

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
<i>Sewer and Receiving-basin Contracts.</i>		
Alteration and improvement to sewer in Eighteenth street, between East river and Avenue A, connecting with outlet sewer to be built by Department of Docks; new sewer in Avenue C, between Sixteenth and Eighteenth streets; and connections with existing sewers in Avenue B at Eighteenth street, and in Seventeenth street at Avenue C.	William F. Cunningham.....	\$27,547 50
Sewer in Astor place, between Broadway and Lafayette place.	Patrick Kearns.....	1,708 00
Sewer in One Hundred and Third street, between Harlem river and First avenue.	John Slattery.....	5,124 00
Sewer in One Hundred and Nineteenth street, between St. Nicholas and Eighth avenues	".....	1,836 00
Sewer in Sixty-fifth street, between New York Central and Hudson River Railroad and West End avenue	".....	2,162 50
Sewer in Eighty-eighth street, between Avenue A and summit east.	".....	2,422 50
Sewer in One Hundred and Second street, between Boulevard and Amsterdam avenue.	George Connolly.....	1,059 00
Sewer in One Hundred and Twenty-second street, between Manhattan and St. Nicholas avenues	".....	695 00
Sewer in Fifty-sixth street between Hudson river and Eleventh avenue	Patrick Hardiman.....	7,554 00
Sewer in Lexington avenue, between Seventy-first and Seventy-second streets.	E. S. Van Aiken.....	1,823 00
Sewer in Sixty-fourth street, between New York Central and Hudson River Railroad and Eleventh avenue.	John Slattery.....	1,101 00
Sewer in One Hundred and Twenty-second street, between Boulevard and Claremont avenue.	John McKim & Son.....	9,577 00
Receiving-basins southeast and northeast corners One Hundred and Eighth street, and southeast corner One Hundred and Ninth street and First avenue	Patrick Larney.....	740 00
Receiving-basins southeast and northeast corners Fifty-second street and Twelfth avenue	".....	448 00
Receiving-basin northwest corner Tompkins and Rivington streets.	John Slattery.....	219 50
Receiving-basins, northeast and southeast corners One Hundred and Twenty-second street and Pleasant avenue	".....	399 00
Receiving-basins, northwest and southwest corners One Hundred and Tenth street and Pleasant avenue	John Kenny.....	413 00
Receiving-basin southwest corner One Hundred and Ninth street and First avenue	".....	228 00
Receiving-basin southwest corner Ninety-ninth street and Third avenue	".....	276 65
Catch-basins on the northwest and southwest corners of One Hundred and Thirteenth street and Amsterdam avenue.	William F. Cunningham.....	368 50
Extension of sewer in Sixty-eighth street, between Madison and Fifth avenues	James Slattery.....	534 00
		\$66,256 15
<i>Regulating and Grading, Curbing and Flagging Contracts.</i>		
Regulating and grading One Hundred and Twenty-first street, between Amsterdam and Morningside avenues	R. McLaughlin.....	\$6,371 89
Regulating and grading One Hundred and Twenty-seventh street, between Boulevard and Riverside Drive	".....	3,086 02
Regulating and grading One Hundred and Sixth street, between Boulevard and Riverside Drive	".....	7,604 95
Regulating and grading One Hundred and Twenty-fourth street, between Boulevard and Amsterdam avenue	William J. Reilly.....	13,351 34
Regulating and grading One Hundred and Thirty-eighth street, between Fifth and Lenox avenues	Charles V. Hough.....	5,622 66
Regulating and grading One Hundred and Fortieth street, between Amsterdam and Convent avenues	James Leeson.....	2,698 00
Regulating and grading F street, between Dyckman street and Bolton road	Bart. Dunn.....	8,396 21
Regulating and grading Dyckman street, from Hudson river to Exterior street	William E. Dean.....	128,165 57
Flagging, etc., Rivington street, south side, between Mangin and East streets	Walter J. Ford.....	632 00
Flagging, etc., Thirty-eighth street, between Tenth and Eleventh avenues	".....	2,937 05
Flagging, etc., One Hundred and Twenty-fifth street, between Eighth and Columbus avenues	".....	1,597 00
Flagging, etc., Rivington street, south side, between Norfolk and Suffolk streets	Bart. Dunn.....	586 36
Flagging, etc., Seventy-fifth and Seventy-sixth streets, between Columbus avenue and Central Park, West	".....	2,455 50
Flagging, etc., One Hundred and Third street, between Columbus avenue and Central Park, West	Patrick Hardiman.....	1,353 09
Flagging, etc., Park avenue, east side, between One Hundred and Seventeenth and One Hundred and Eighteenth streets	Bart. Dunn.....	531 74
Flagging, etc., northwest and southwest corners One Hundred and Twenty-second street and Mount Morris avenue	".....	641 46
Flagging, etc., One Hundred and Twentieth street, south side, between Madison and Lenox avenues	A. E. Moran.....	1,601 92
Flagging, etc., One Hundred and Twenty-fifth street, west of Seventh avenue; and west side Seventh avenue, from One Hundred and Twenty-fifth to One Hundred and Twenty-seventh street, and One Hundred and Twenty-sixth street, west of Seventh avenue	".....	1,186 00
Flagging, etc., Delancey street, from Mangin to East street	Bart. Dunn.....	1,962 00
Flagging, etc., Tompkins street, west side, from Broome to Delancey street	".....	491 75
Flagging, etc., Hester street, north side, from Suffolk to Clinton street	".....	480 00
Flagging, etc., Eighty-sixth street, north side, from Madison to Fifth avenue	".....	937 30
Flagging, etc., Fifth avenue, east side, from Eighty-sixth to Ninety-first street	".....	2,089 00
Flagging, etc., north side Eighth street, east of Broadway	John R. Anderson.....	174 60
Flagging, etc., southwest corner Hudson and West Eleventh streets	".....	263 16
Flagging, etc., north side Eleventh street and south side Twelfth street, from Second to Third avenue	".....	118 30
Flagging, etc., west side Church street, from Vesey to Fulton street	".....	332 91
Flagging, etc., north side Seventy-third street, from First to Second avenue	".....	224 50
Flagging, etc., south side One Hundred and Thirteenth street, from Eighth to Manhattan avenue	".....	193 70
Flagging, etc., east side Fifth avenue, from One Hundred and Sixteenth to One Hundred and Seventeenth street	".....	89 44
Flagging, etc., northwest corner Seventh avenue and One Hundred and Twentieth street	".....	348 13
Flagging, etc., south side One Hundred and Thirty-first street, from Fifth to Lenox avenue	".....	319 85
Flagging, etc., east side Amsterdam avenue, north of Seventy-second street	".....	31 83
Flagging, etc., Madison avenue, from Seventy-first to Seventy-second street	Thomas J. Dunn.....	267 50
Flagging, etc., southwest corner of Thirty-second street and Sixth avenue	Dennis McGrath.....	293 79
		\$187,436 02
<i>Paving Contracts—Assessment Work.</i>		
Paving West street, between Battery place and Gansevoort street	John G. Smith.....	\$178,425 24
Paving Amsterdam avenue, between One Hundred and Thirtieth and One Hundred and Fortieth streets	Thomas Gearty.....	35,692 88
Paving Fifth street, between Lewis street and East river	".....	5,889 28
Paving Twentieth street, between Avenue A and East river	".....	11,283 56
Paving Sixty-third street, between Amsterdam and Eleventh avenues	".....	6,479 97
Paving One Hundred and Fifteenth street, between Eighth and Manhattan avenues	".....	2,945 39
Paving Washington street, between Bank and Gansevoort streets	Michael Fitzgerald.....	12,260 80
Paving Fifty-ninth street, from Twelfth avenue to Hudson river	".....	1,692 79
Paving One Hundred and Thirteenth street, from Madison to Fifth avenue	F. V. Smith.....	3,379 32
Crosswalks across Avenue A, south side Seventy-fourth and Eighty-fifth streets, and north side Seventy-sixth street	Walter J. Ford.....	575 87
Crosswalks across Lenox avenue, north side One Hundred and Thirty-third street	".....	253 88
Crosswalks across Avenue St. Nicholas, north side One Hundred and Twenty-second street	".....	211 45
Crosswalks across Ninth avenue, from southwest to northeast corner of Manhattan street	".....	252 10
Crosswalks across One Hundred and Twenty-third street, west side Lenox avenue	John R. Anderson.....	78 26
Crosswalks across Seventh avenue, north and south sides One Hundred and Thirty-fourth street	".....	358 00
		\$260,778 79
<i>Repaving Contracts.</i>		
Paving Lexington avenue, between Thirty-second and Thirty-fourth streets, and between Thirty-fifth and Forty-second streets	Thomas Gearty.....	\$35,419 00
Paving Dover street, between Pearl and South streets	".....	5,528 50

NATURE AND LOCATION OF WORK.	CONTRACTOR.	ESTIMATED COST.
Paving West street, between Battery place and Gansevoort street.....	John G. Smith	\$50,813 00
Paving One Hundred and Twenty-fourth street, from Pleasant to Fourth avenue, and from Lenox to Seventh avenue.....	Jos. Pollock	32,648 90
		\$124,461 90
<i>Miscellaneous Contracts.</i>		
For the improvement of Old Reservoir in Central Park.....	Robert Hanna.....	\$67,950 00
Furnishing and delivering granite coping-stone (300 lineal feet).....	William Kidney	1,200 00
Furnishing and delivering cast-iron water-pipes, branch pipes, etc.....	John Fox.....	15,282 00
Repairing Clinton Market.....	R. H. Casey.....	4,751 00
Repairing buildings in West Washington Market damaged by fire.....	D. F. Gibb.....	11,494 00
		\$90,767 00
<i>Laying Water-main Contracts.</i>		
Laying water-mains in Seventy-second, One Hundred and Thirty-fourth, One Hundred and Thirty-ninth, One Hundred and Forty-seventh, One Hundred and Forty-ninth, One Hundred and Sixty-first, One Hundred and Sixty-ninth, One Hundred and Seventy-fifth, One Hundred and Eighty-fifth, Bristow and Buckhout streets, in Brook, Amsterdam, Riverdale, Honeywell, Railroad and Twelfth avenues, and in North river bulkhead.....	Martin Lipps.....	\$8,423 52
Laying water-mains in One Hundred and Sixth street, between First avenue and Harlem river, across Harlem river to Ward's Island and across Ward's Island.....	John Cornwell, Jr.....	17,663 00
Laying water-mains in Seventy-sixth, Ninety-fifth, One Hundred and Second, One Hundred and Thirtieth, One Hundred and Forty-third, One Hundred and Forty-sixth, One Hundred and Sixty-seventh, Suburban and Jennings streets, in Webster, Scott, Decatur, Perry, Andrews and Aqueduct avenues, and in Signal, Coles and Poe places.....	"	7,506 52
		\$35,598 04
<i>Fencing Contracts.</i>		
Fencing vacant lots south side of Seventy-seventh street and Columbus avenue.....	Patrick Hardiman.....	\$126 35
Fencing vacant lots block bounded by One Hundred and Fourth and One Hundred and Fifth streets, Madison and Fifth avenues.....	John S. Dingwall.....	339 50
Fencing vacant lots northeast corner of Eighty-sixth street and Fifth avenue.....	"	65 50
Fencing vacant lots Ninety-second street, north side, from Central Park, West, to Columbus avenue.....	"	125 94
Fencing vacant lots One Hundred and Forty-fourth street, from Eighth to Bradhurst avenue.....	"	49 12
		\$706 41

RECAPITULATION.

21 Sewer and Receiving-basin Contracts.....	\$66,256 15
35 Regulating and Grading, Curbing and Flagging Contracts.....	187,436 02
15 Paving, etc., Contracts—Assessment Work.....	260,778 79
4 Repairing Contracts.....	124,470 40
5 Miscellaneous Contracts.....	90,767 00
3 Laying Water-main Contracts.....	35,598 04
5 Fencing Contracts.....	706 41
88 Contracts.....	\$765,951 81

Contracts Completed.

NATURE AND LOCATION OF WORK.	AMOUNT.
<i>Sewer and Receiving-basin Contracts.</i>	
Sewer in Tenth avenue, west side, between 316 feet north of One Hundred and Seventy-eighth street and 10 feet north of One Hundred and Ninetieth street.....	\$30,730 65
Sewer in Ninetieth street, between Avenue A and Second avenue.....	12,382 04
Sewer in Park avenue, east side, between One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets.....	737 29
Sewer in First avenue, between Forty-fourth and Forty-fifth streets.....	2,884 12
Sewer in Essex street, between Delancey and Broome streets.....	2,606 29
Sewer in Ninety-first street, between Tenth avenue and summit east.....	10,979 50
Sewer in One Hundred and First street, between Park and Madison avenues.....	1,495 50
Sewer in Fifty-fifth street, between Eighth and Ninth avenues (alteration and improvement).....	6,667 00
Sewer in Mercer street, between Canal and Grand streets, etc.....	5,110 00
Sewer in One Hundred and Second street, between Park and Madison avenues.....	2,039 26
Sewer in Fifth avenue, between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh streets, etc.....	9,149 85
Sewer extension in Livingston street, at East river.....	8,043 00
Sewer in Seventy-ninth street, between Boulevard and Amsterdam avenue.....	2,150 75
Sewer in Ninety-fifth street, between Harlem river and First avenue.....	9,289 85
Sewers in Boulevard, east side, between One Hundred and Twelfth and One Hundred and Thirteenth street, etc.....	11,210 60
Sewer in West street, between Dey and Murray streets, etc.....	36,442 00
Sewer in Seventy-first street, between Boulevard and summit, West.....	3,750 00
Sewer in Amsterdam avenue, east side, between One Hundred and Thirty-eighth and One Hundred and Forty-first streets, etc.....	7,730 00
Receiving-basin, southeast corner of One Hundred and Fifteenth street and Fifth avenue.....	223 00
Receiving-basin, southwest corner of One Hundred and Sixteenth street and Fifth avenue.....	233 00
Receiving-basin, northwest corner of One Hundred and Forty-sixth street and Eighth avenue.....	234 50
Receiving-basin northeast corner Fifty-fifth street and Avenue A.....	339 00
Receiving-basins, northeast and southeast corners Fifty-second street and Twelfth avenue.....	410 00
Receiving-basins, northwest and southwest corners One Hundred and Tenth street and Pleasant avenue.....	387 00
	\$166,023 20
<i>Regulating and Grading, Curbing, Flagging and Fencing.</i>	
Regulating and grading One Hundred and Tenth street, north side, between Seventh and Eighth avenues.....	\$255 74
Regulating and grading One Hundred and Eleventh street, between Fifth and Sixth avenues.....	1,340 00
Regulating and grading One Hundred and Thirtieth street, between First avenue and East river.....	1,660 90
Regulating and grading Jumel Terrace, between One Hundred and Sixtieth and One Hundred and Sixty-second streets.....	7,058 08
Regulating and grading One Hundred and Forty-second street, between Boulevard and Twelfth avenue.....	4,129 63
Regulating and grading One Hundred and Forty-sixth street, between Boulevard and Hudson River Railroad.....	7,250 48
Flagging, etc., Thirty-second street, between Lexington and Fourth avenues.....	1,604 34
Flagging, etc., Seventy-seventh street, between Avenue A and East river.....	969 08
Flagging, etc., One Hundred and Seventh street, between Park and Madison avenues.....	436 25
Flagging, etc., One Hundred and Thirty-first street, between Western Boulevard and Amsterdam avenue.....	982 71
Flagging, etc., One Hundred and First street, between Ninth and Tenth avenues.....	531 02
Flagging, etc., Seventy-ninth street, between Amsterdam avenue and Boulevard.....	1,102 13
Flagging, etc., Fifty-fifth street, south side, between Grand Circle and 75 feet west.....	85 49
Flagging, etc., Amsterdam avenue, between One Hundred and First and One Hundred and Second streets.....	235 32
Flagging, etc., One Hundred and Seventeenth street, between Seventh and St. Nicholas avenues.....	292 30
Flagging, etc., Church street, west side, between Vesey and Fulton streets.....	288 27
Flagging, etc., Fifth avenue, east side, between One Hundred and Sixteenth and One Hundred and Seventeenth streets.....	135 14
Flagging, etc., Sixty-sixth street, south side, between Columbus and Amsterdam avenues.....	250 35
Flagging, etc., One Hundred and Twenty-ninth street, between Lexington and Park avenues, and Park avenue, east side, between One Hundred and Twenty-eighth and One Hundred and Thirtieth streets.....	1,162 56
Flagging, etc., Seventy-third street, north side, between First and Second avenues.....	222 00
Flagging, etc., One Hundred and Thirty-first street, south side, between Fifth and Lenox avenues.....	241 12
Flagging, etc., northwest corner One Hundred and Twentieth street and Seventh avenue.....	338 03
Flagging, etc., Eighth street, north side, east of Broadway.....	157 00
Fencing, One Hundred and Second street, between Columbus and Amsterdam avenues.....	90 35
Fencing block bounded by Eighty-fifth and Eighty-sixth streets, Boulevard and West End avenue.....	235 84
Fencing, One Hundred and Nineteenth street, south side, between Fifth and Lenox avenues.....	134 80
Fencing block bounded by One Hundred and Twenty-first and One Hundred and Twenty-second streets, St. Nicholas and Manhattan avenues.....	197 66
Fencing, south side, Seventy-seventh street and Columbus avenue.....	124 65
Fencing, northwest corner of Avenue B and Eighty-first street.....	84 32
Fencing One Hundred and Fourth and One Hundred and Fifth streets, Madison and Fifth avenues.....	269 73
	\$32,548 90
<i>Paving, etc.—Assessment Work.</i>	
Paving Chambers street, between West and Greenwich streets.....	\$7,357 50
Paving Twelfth avenue, between One Hundred and Twenty-ninth and One Hundred and Thirtieth streets.....	10,373 43
Paving Tompkins street, between Grand and Stanton streets.....	12,879 00
Paving Eleventh avenue, between Twenty-seventh and Thirtieth streets.....	18,873 68

NATURE AND LOCATION OF WORK.	AMOUNT.
Paving Ninety-eighth street, between Eighth and Ninth avenues.....	\$6,531 87
Paving West End avenue, between Ninety-sixth and One Hundred and Fourth streets.....	30,458 64
Paving Ninety-fourth street, between First and Second avenues.....	5,226 40
Paving Reade street, from West to Washington street.....	1,943 14
Paving Canal street, between West and Washington streets.....	1,325 78
Paving Spring street, between West and Greenwich streets.....	1,443 16
Paving One Hundred and Tenth street, between First avenue and East river.....	8,553 87
Paving Jay street, between West and Washington streets.....	585 15
Paving One Hundred and Fifteenth street, between Park and Fifth avenues.....	6,822 71
Paving First avenue at One Hundred and Twenty-sixth street.....	951 92
Paving Harrison street, between West and Washington streets.....	1,720 28
Paving North Moore street, between West and Washington streets.....	3,489 44
Paving Sixty-fourth street, between Central Park, West, and Boulevard.....	5,508 95
Paving Franklin street, from West to Washington street.....	2,624 97
Paving Greenwich street, between Vesey and Barclay streets.....	4,383 40
Paving Goerck street, between Grand and Third streets.....	21,064 91
Paving Hubert street, between West and Greenwich streets.....	3,990 01
Paving Beach street, between West and Washington streets.....	3,460 50
Crosswalks across One Hundred and Sixteenth street, at east and west sides of First avenue.....	200 28
Crosswalks across One Hundred and Seventeenth street, at east and west sides of Lexington avenue.....	121 55
Crosswalk across One Hundred and Twenty-fourth street, at west side of Lenox avenue.....	71 33
Crosswalk across Seventh avenue, at north side of One Hundred and Thirtieth street.....	201 55
Crosswalk across Avenue A, at north side of Seventieth street.....	151 39
	\$160,241 51

Repairing Contracts.

Paving Chambers street, between Washington and Greenwich streets.....	\$746 90
Paving Spring street, between West and Greenwich streets.....	6,002 76
Paving Madison avenue, between Sixtieth and Sixty-sixth streets, and Fifty-seventh street, between Madison and Fifth avenues.....	32,337 77
Paving Canal street, between Hudson street and Bowery.....	10,703 37
Paving Mangin street, between Grand and Houston streets.....	6,013 32
Paving Greenwich street, between Fulton and Chambers streets.....	17,284 16
Paving Jay street, between West and Washington streets.....	3,320 57
Paving Twenty-sixth street, from Madison avenue to East river, and Thirtieth street, between Madison avenue and Broadway.....	52,023 40
Paving Washington street, between Reade and Spring streets.....	17,262 05
Paving Seventy-fourth street, between Madison and Fifth avenues, One Hundred and Twenty-fourth street, between Mount Morris and Fifth avenue, and Fifth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-fifth streets.....	33,137 05
Paving Reade street, between West and Greenwich streets.....	1,970 09
Paving North Moore street, between West and Greenwich streets.....	2,403 18
Paving Canal street, between West and Washington streets.....	8,154 64
Paving Tompkins street, between Grand and Houston streets.....	12,469 99
Paving North Moore street, between West Broadway and Greenwich street, Beach street, between West Broadway and Greenwich streets, and Hubert street, between Hudson and Greenwich streets.....	31,551 98
Paving Fulton street, between Broadway and Greenwich street.....	10,170 96
Paving Mount Morris avenue, between One Hundred and Twentieth and One Hundred and Twenty-fourth streets.....	25,441 16
Paving Harrison avenue, between West and Washington streets.....	2,472 57
Paving Franklin street, between West and Washington streets.....	939 16
Paving Beach street, between Washington and Greenwich streets.....	1,539 51
Paving Hubert street, between Washington and Greenwich streets.....	1,060 54
Paving Thirty-fifth street, between Madison and Sixth avenues, Thirty-ninth street, between Fifth and Sixth avenues, and Fortieth street, between Fifth and Sixth avenues.....	37,810 19
Paving First avenue, between One Hundred and Nineth and One Hundred and Sixteenth streets.....	28,050 27
Paving Fifth avenue, between One Hundred and Twenty-fourth and One Hundred and Thirtieth streets.....	27,851 19
Paving Ninth street, between Fifth avenue and University place, Twenty-second street, between Lexington and Third avenues, Thirty-eighth street, between Fifth and Madison avenues, and Fifty-second street, between Fifth and Sixth avenues.....	27,110 15
Paving Dover street, between Pearl and South streets.....	5,286 76
Taking up and relaying pavement in One Hundred and Twelfth street, between Third and Lexington avenues, One Hundred and Fifteenth, One Hundred and Eighteenth and One Hundred and Twenty-second streets, between Fourth and Lexington avenues, and One Hundred and Twentieth street, between Lexington and Madison avenues.....	3,712 99
Taking up and relaying pavement in Seventy-third street, between First and Second avenues, Ninety-ninth street, between Second and Third avenues, One Hundred and Twenty-eighth, One Hundred and Thirtieth and One Hundred and Thirty-first streets, between Seventh and Eighth avenues.....	4,979 86
	\$508,142 54

Miscellaneous Contracts.

Improvement to Old Reservoir in Central Park.....	\$24,388 00
Furnishing stop-cocks, hydrants, wooden hydrant boxes and cast-iron stop-cock boxes and covers.....	7,375 00
Painting, etc., halls, corridors and stairs, etc., in New Court-house.....	2,080 00
Furnishing cast-iron water-pipes, branch pipes and special castings.....	11,956 02
Iron fence on east side of Edgecombe avenue, between One Hundred and Forty-fifth street and St. Nicholas place.....	5,653 25
	\$52,552 27

Laying Water-main Contract.

Laying water-mains in Moshulu Parkway, Bronx River Park and Southern Boulevard.....	\$110,322 45
Laying water-mains in Eighth avenue, Transverse roads, Fifth avenue and Ninety-third street.....	22,848 26
Laying water-mains in Southern Boulevard, between One Hundred and Seventy-seventh and Home streets.....	40,807 00
	\$173,977 71

RECAPITULATION.

21 Sewer and Receiving-basin Contracts.....	\$166,023 20
35 Regulating and Grading, Curbing, Flagging and Fencing Contracts.....	32,518 90
15 Paving Contracts—Assessment Work.....	160,241 51
4 Repairing Contracts.....	508,142 54
5 Miscellaneous Contracts.....	52,552 27
3 Laying Water-main Contracts.....	173,977 71
118 Contracts.....	\$1,093,486 13

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, October 6, 1891.

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

DEAR SIR—Under your instructions of September 29, 1891, I herewith submit report of this Bureau for the quarter ending September 30, 1891:

EXPENDITURES—SUMMARY FOR THE QUARTER ENDING SEPTEMBER 30, 1891.

Aqueduct—Repairs, Maintenance and Strengthening—Care, Maintenance and Repairs.....	\$58,325 00
Aqueduct—Repairs, Maintenance and Strengthening—Salaries.....	6,720 17
Bronx River Works—Maintenance and Repairs.....	5,739 57
Bronx River Works—Maintenance and Repairs—Salaries.....	600 00
Croton Water Fund.....	65,907 74
Fund for Viaduct.....	42,702 85
Laying Croton Pipes.....	76,992 35
Laying Croton Pipes—Salaries.....	4,156 16
New Fire Hydrants.....	796 68
Repairing and Renewal of Pipes, etc.....	23,893 57
Salaries—Engineer, Clerks, etc.....	3,380 98
Water Meter Fund, No. 2.....	5,228 50
Water Supply for Twenty-fourth Ward.....	1,110 39
Total.....	\$295,553 96

STORAGE RESERVOIRS.

During the past quarter the Croton river has not furnished a full supply to the Aqueduct at any time, owing to the continuous drought which commenced in April.
From 50 to 140 million gallons have been drawn each day to supplement the supply from the river.

Storage was drawn as follows:

	Gallons.
Boyd's Corners Reservoir.....	1,780,000,000
Middle Branch Reservoir.....	2,650,000,000
East Branch Reservoir.....	4,140,000,000

Kirk Lake	Gallons.
Barrett Pond	280,000,000
Lake Mahopac	125,000,000
Lake Gilead	340,000,000
	90,000,000
Total	9,405,000,000

This large draught on storage during one quarter shows the necessity of the completion of the storage reservoirs now being constructed in the Croton basin, and especially those nearly completed on the east branch of the Croton river, by which the storage can be increased 4,000,000,000 gallons and thereby increase the storage supply required at least thirty days longer than the present supply. There was at the beginning of the season of dry weather 12,000,000,000 of storage available, of which 9,500,000,000 has been used, not including that furnished by rains since May 15, 1891, when water stopped running to waste over Croton Dam.

Rain-fall—Inches.

	JULY.	AUGUST.	SEPTEMBER.	TOTAL FOR QUARTER.
Boyd's Corners Reservoir	2.97	5.61	1.87	10.45
South East Reservoir	4.57	5.31	2.09	11.88
Kensico Reservoir	3.51	2.12	1.23	6.86
Croton Dam	4.59	4.05	2.31	10.95
Central Park Reservoirs	3.00	3.84	2.35	9.19

The work on Reservoir A on the Muscote river is progressing steadily. Surveys are continued for land required for Reservoir D on the west branch of the Croton river. The Commission appointed to appraise the value of the balance of the lands required for Reservoir A are still taking testimony as to same.

BRONX RIVER SUPPLY.

The conduit, reservoirs, embankments, roadway, etc., have been kept in order during the quarter. The conduit has furnished an uninterrupted supply of 14,000,000 gallons per day to the City. The survey for lands necessary on Byram river and Byram Pond have been continued. Storage has been drawn from—

Kensico Reservoir	Gallons.
Rye Pond Reservoir	400,000,000
	800,000,000
Total	1,200,000,000

AQUEDUCT—REPAIRS, MAINTENANCE AND STRENGTHENING.

Owing to the continued drought the shutting off of the Aqueduct for repairs has been delayed, as the supply to the Sing Sing Prison, which is obligatory under the laws, cannot be provided until there is a larger supply of water in streams.

The work of changing gate-house, etc., at One Hundred and Thirty-fifth street has been commenced. The work on the excavation of the Old Reservoir, Central Park, was abandoned by the contractor and has been relet.

NEW AQUEDUCT.

A continuous supply of 80,000,000 gallons per day has been furnished through the New Aqueduct during the quarter. Final plan sheets and six similar maps of lands required for Reservoir D, have been furnished the Aqueduct Commission.

Work Done during Quarter ending September 30, 1891.

DIVISIONS.	EARTH EXCAVATION.	STONE QUARRYING.	MASONRY.			CONCRETE.	FENCE BUILT.
			For Apron.	Stone.	Brick.		
	Cubic Yards.	Cubic Yards.	Cubic Yards.	Cubic Yards.	Cubic Yards.	Cubic Yards.	Lineal Feet.
First			300				
Second	500						35
Third	11	50		35	2	43	730
Fourth							
Fifth	28			10			600
Sixth		196					1,337
Seventh							1,825
Eighth	400			12		176	
Total	939	1,146	300	57	2	219	4,527

DIVISIONS.	FENCE REPAIR.	FILLING AND GRADING.	PAVING.	PAINTING FENCE.	FLAGGING RELAND.	CONCRETE DRAIN.	FENCE GATES BUILT.	CURB AND GUTTER.
	Lineal Feet.	Cubic Yards.	Square Yards.	Lineal Feet.	Square Feet.	Lineal Feet.		Lineal Feet.
First								
Second				35	35			35
Third	1,500					86		
Fourth	1,300							
Fifth	400	670	85		125		3	
Sixth	247							
Seventh	250							
Eighth				5,280				
Total	3,697	670	85	5,315	160	86	3	35

The regular maintenance of the Aqueduct has been continued as usual during the past quarter, such as the care of dam, lake, gate-houses, machinery and grounds, attending leaks, patrolling Aqueduct property, building and repairing fences.

The particular work on the several divisions has been as follows:

Division No. 1—The work on this division has been: Cutting grass and bushes; cleaning up shore of lake; painting old gate-house; replacing stone on top of apron; also laying rubble-stone masonry in Portland cement at top of apron.

Division No. 2—The work on this division has been: Cutting grass; cleaning up line; preparing 15 cubic yards of stone for concrete to be used in foundation and floor at bottom of pit for connection to prison reservoir; removed large elm-tree on Spring street; painted stone work on Ann street and Snowden avenue gate-houses; excavating from pit on Spring street to make connection with prison; building fences, etc.

Division No. 3—Cutting grass; cleaning up line; laying concrete walk about keepers' house, with all excavation and removal of dirt for same; quarrying stone; painting joints in stone work of gate-house; a 12-inch concrete drain on Jones' bank; built a retaining wall on Jones' bank; built a trap of brick in connection with the concrete drain on Jones' bank; built wire fence on the Aspinwall and Arch banks; built four sand pits containing 200 cubic yards on the Aspinwall and Phelps' banks; six new telephone poles were put on the Morrell bank in place of those shattered by lightning; painting iron work in waste-house; this with general maintenance.

Division No. 4—The work on this division has been: Building and repairing fences; repairing banks; cleaning grounds; cleaning and repairing crosswalks; cleaning and repairs to gutters and drains; attending leaks.

Division No. 5—Building and repairing fences; building fence gates; filling and grading, paving and flagging; painting walls on Shonard Terrace and west of Aqueduct house; hauling gravel, lumber and sand; cutting grass; cleaning up lines, etc.

Division No. 6—The work on this division has been: Cutting grass; cleaning up line; building and repairing fences; quarrying stone and general maintenance.

Division No. 7—All the grounds around High Bridge, the approaches thereto have been kept in good condition; the tower and gate-houses have been kept clean, the screws well oiled and ready for use; the Reservoir is carefully looked after, and the scum and dirt carefully removed every day; all the grass on the works has been cut and hauled away; coal for the use of engine has been hoisted as often as required; the coal dock is kept clean and work done for the engine-house whenever required; a guard rail has been built on the high embankment between One Hundred and Fifty-eighth and One Hundred and Sixtieth streets and One Hundred and Sixty-seventh and One Hundred and Sixty-ninth streets to prevent accidents; a fence has been built around front and west side of keepers' house and repaired on east side; all fences around keepers' house have been painted; the fence on high embankment required 143 locust posts to be set 3 feet deep, 78 spruce joists, 2 x 4 x 16, and about 4,500 feet of ribbon wire.

Division No. 8—The work on this division has been: Cleaning and repairing of Central Park and Forty-second Street Reservoirs, gate-houses, chambers and outside mains; cutting grass on reservoir; cleaning, repairs and maintenance of high service works, ninth and tenth gate-houses and grounds; doing odd jobs of carpenter work; built 275 feet of foundation wall on Old Aqueduct between Ninetieth and Ninety-first streets; painted iron railing around New Reservoir; patrolling Central Park Reservoirs and pipe lines.

A contract has been entered into for concreting and facing with masonry the Old Reservoir in Central Park.

A contract for granite coping has been entered into.

The property over the Aqueduct between Ninety-first and Ninety-second streets has been excavated and graded, fences built and sidewalks laid, and work of seeding and sodding is now being done.

LAYING CROTON PIPES.

Contracts for laying water-mains in the following streets and avenues have been completed: Southern Boulevard, between One Hundred and Seventy-seventh and Home streets. Broadway, between Church street and the south line of the City of Yonkers. Bronx river road, between McLean and Grand avenues. Grand avenue, between Bronx river road and Third street. One Hundred and Forty-seventh street, between Eighth and New avenues. One Hundred and Forty-eighth street, between Eighth and New avenues. New avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets. Creston avenue, between Kingsbridge road and St. James street. Third street, between Grand and Mt. Vernon avenues. First avenue, between Third street and 480 feet east. Second avenue, between Third street and 560 feet east. Olin avenue, between Reservoir and Decatur avenues. Perry avenue, between Olin avenue and Eclipse street. Hull avenue, between Olin avenue and Eclipse street. Decatur avenue, between Olin avenue and Eclipse street. Eighty-ninth street, between Tenth avenue and Boulevard. Seventy-seventh street, between Tenth avenue and Boulevard. Eighty-second street, between Tenth avenue and Boulevard. Ninetieth street, between Ninth and Tenth avenues. One Hundred and Third street, between Boulevard and Riverside avenue. Ninety-fourth street, between First and Second avenues. Elsmere place, between Prospect and Marmion avenues. Chisholm street, between Jennings street and a point 245 feet south of same. Bristow street, between Boston avenue and a point 210 feet south of Jennings street. Jennings street, between Stebbins avenue and a point 249 feet west of Bristow street. Morris avenue, between One Hundred and Eighty-first and One Hundred and Eighty-third streets.

Bainbridge avenue, between Southern Boulevard and Suburban street. Northern Terrace, between Westchester and Park avenues. Fifty-eighth street, between Eleventh avenue and North river. One Hundred and Forty-third street, between Convent and Amsterdam avenues. Davidson avenue, between High Bridge road and St. James street. Samuel street, between Boston road and Oostdorp avenue. One Hundred and Twenty-first street, between Columbus and Manhattan avenues. One Hundred and Forty-second street, between Eighth and Bradhurst avenues. Moshulu avenue, between Riverdale avenue and Broadway. Mechanic street, between Boston road and Oostdorp avenue. Twelfth avenue, between One Hundred and Twenty-ninth and One Hundred and Thirtieth streets.

Brook avenue, between One Hundred and Sixtieth and One Hundred and Sixty-fifth streets. Amsterdam avenue, between One Hundred and Ninetieth and One Hundred and Ninety-sixth streets.

One Hundred and Thirty-fourth street, between Southern Boulevard and Willow avenue. One Hundred and Thirty-ninth street, between Eighth avenue and first new avenue west. One Hundred and Forty-seventh street, between Willis and Brook avenues. One Hundred and Forty-seventh street, between Boulevard and Hudson River Railroad. One Hundred and Forty-ninth street, between St. Nicholas and Amsterdam avenues. One Hundred and Sixty-first street, between Cauldwell and St. Ann's avenues. One Hundred and Seventy-fifth street, between Vineyard place and Southern Boulevard. One Hundred and Eighty-fifth street, between Audubon avenue and Kingsbridge road. Buckout street, between Morris and Anthony avenues. Riverdale avenue, between Dash's lane and 800 feet south. Honeywell avenue, between Samuel street and 325 feet east. North river bulkhead, between Seventy-seventh and Seventy-ninth streets. Railroad avenue, between One Hundred and Sixty-eighth and One Hundred and Seventieth streets. One Hundred and Sixty-ninth street, between Railroad and Washington avenues.

PIPE LAID DURING QUARTER.

36-inch	1,236 lineal feet.
12-inch	19,434 "
6-inch	21,926 "
Total	42,596 lineal feet.

Stop-cocks Set.

36-inch	1
12-inch	13
6-inch	51
Total	65

Hydrants Placed.

"A" hydrants	44
No. 1 hydrants	27
Total	71

Placing New Hydrants.

A contract for the necessary pipe and special castings has been entered into.

ONE HUNDRED AND FIFTY-FIFTH STREET VIADUCT.

This work has been steadily prosecuted, and all of the foundations, except four near the pier of the new bridge across the Harlem river at McComb's Dam road, and both of the abutments, have been completed ready for the erection of the iron superstructure which is now being delivered, and next month erection of same should commence.

REPLACING WASTE-MAINS, ETC.

A contract for furnishing pipe and a contract for stop-cocks, hydrants, etc., have been completed.

A gang of men have been steadily employed replacing mains, services, etc., on the East river and Twenty-third and Twenty-fourth Wards.

TAPS.	
Number of taps put in during quarter.....	703
METERS.	
Number of meters placed during quarter.....	705
Number of meters in use June 30, 1891.....	22,535
Total number of meters in use September 30, 1891.....	23,240

WASTE AND USE OF WATER.

The daily supply to the city during the quarter has been—

	Gallons.
Through New Aqueduct.....	80,000,000
Through Old Aqueduct.....	70,000,000
Through Bronx river conduits.....	14,000,000
Total daily supply.....	164,000,000

Owing to the continued dry and warm weather the reservoirs in Central Park have also been drawn down three feet, equal to 100,000,000 gallons in addition to the above. This continued large draught has decreased the pressure in the mains during the day, and on account of the want of adequate storage in the Croton water-shed the amount brought to the city could not be increased.

In order to be fully prepared for the probability of extreme dry weather, it would be advisable to decrease the supply to the city until adequate storage has been furnished by the Aqueduct Commission in the Croton water-shed.

Respectfully yours,
G. W. BIRDSALL, Chief Engineer, Croton Aqueduct.

Document "E."

REPORT OF THE WATER PURVEYOR.

DEPARTMENT OF PUBLIC WORKS,
WATER PURVEYOR'S OFFICE, NO. 31 CHAMBERS STREET, ROOM 1,
NEW YORK, October 1, 1891.

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

SIR—I respectfully submit the following report of the transactions of the Bureau of Water Purveyor for the quarter ending September 30, 1891:

RECEIPTS.

For the construction of vaults.....	\$40,557 72
For labor and materials furnished.....	901 71
Total.....	\$41,459 43

EXPENDITURES.

Public Drinking-hydrants.....	\$1,538 55
Public Drinking-hydrants—Salaries.....	300 00
Repairs and Renewal of Pavements and Regrading, 1890.....	9,278 64
Repairs and Renewal of Pavements and Regrading, 1891.....	99,097 34
Repairs and Renewal of Pavements and Regrading—Salaries.....	3,869 00
Repaving Streets and Avenues, 1890.....	7,532 02
Repaving Streets and Avenues, 1891.....	105,717 16
Repaving Streets and Avenues—Salaries.....	3,650 00
Repaving, chapter 346, Laws of 1889, 1890.....	41,372 94
Repaving, chapter 346, Laws of 1889, 1891.....	254,452 78
Repairing and Renewal of Pipes, Stop-cocks, etc.....	28,706 35
Street Improvement Fund.....	135,412 61
Restoring and Repaving—Special Fund—Department of Public Works.....	9,780 36
Boulevards, Roads and Avenues, Maintenance of—Resurfacing Seventh Avenue.....	12,258 33
Contingencies.....	18 00
Total.....	\$712,984 08

PERMITS ISSUED.

98 for the construction of vaults.
62 for repairs to vaults.
156 for the erection of guy-posts.
95 for building fires in the streets for roofing purposes, etc.
19 for repairs to pavements at the expense of applicants.

REPAIRS AND RENEWAL OF PAVEMENTS AND REGRADING.

The following is an average of the force employed in making repairs to street pavements:

In July.....	223	mechanics,	249	laborers,	75	carts,	3	teams.
In August.....	227	"	251	"	74	"	3	"
In September.....	227	"	249	"	74	"	3	"

The work of this force consisted of repairing defective places in the stone-block pavements in various parts of the City, and the area so repaired amounted to 137,574 square yards.

Under orders given out by the Commissioner of Public Works, 240 square yards of asphalt pavement were renewed at a total cost of \$593.

Under contracts let in 1890, the pavement in the following named streets was taken up and relaid:

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Seventy-third street.....	First to Second avenue.....	2,251.7	676.6
Ninety-ninth street.....	Second to Third avenue.....	2,153.5	632.5
One Hundred and Twenty-eighth street.....	Seventh to Eighth avenue.....	2,670.9	803.7
One Hundred and Thirtieth street.....	".....	2,687.0	807.2
One Hundred and Thirty-first street.....	".....	2,687.5	806.8
One Hundred and Twelfth street.....	Third to Lexington avenue.....	1,695.4	487.3
One Hundred and Fifteenth street.....	Fourth to Lexington avenue.....	1,385.5	417.7
One Hundred and Eighteenth street.....	".....	1,396.5	419.2
One Hundred and Twentieth street.....	Lexington to Madison avenue.....	3,071.7	837.0
One Hundred and Twenty-second street.....	Fourth to Lexington avenue.....	1,595.2	466.5
Total.....		21,594.9	6,354.5

The total area of pavement taken up and relaid by contract by the repair force, etc., amounted to 159,408.9 square yards.

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

Five companies are employed in making repairs to Croton water pipes and mains, fire-hydrants, etc., the average force being as follows:

In July.....	37	mechanics,	91	laborers,	15	carts.
In August.....	37	"	91	"	15	"
In September.....	37	"	91	"	15	"

Three new fire-hydrants were erected and 156 new ones put in place of old ones. Several large breaks in the water-mains were repaired, and much other work not mentioned herein was performed by the above force.

PUBLIC DRINKING-HYDRANTS.

36 public drinking-hydrants were repaired.

20 new public drinking-hydrants were erected at the following-named points:

Rutgers street, southwest corner of South street.
No. 33 Monroe street.
No. 563 Broome street.
Northeast corner Thirty-second street and Lexington avenue.
Amsterdam avenue, southeast corner Sixty-fifth street.
No. 801 Columbus avenue.
No. 1158 Second avenue.
Southeast corner Ryer avenue and One Hundred and Eighty-third street.
Eighth avenue and One Hundred and Thirty-ninth street.
No. 1680 Park avenue.
No. 888 Eleventh avenue.
No. 156 Canal street.
No. 189 Bleecker street.
No. 154 Christopher street.
Madison avenue and southeast corner of One Hundred and Eleventh street.
No. 2234 Fifth avenue.
No. 2267 Eighth avenue.
Eighth avenue and southwest corner of One Hundred and Twenty-sixth street.
No. 5 Lighthouse street.
Boulevard and One Hundred and Seventh street.

The above mentioned hydrants were put in under resolutions of the Board of Aldermen, regularly approved by his Honor the Mayor, and the work on each one was done under the direct supervision of the Inspector of Public Drinking Hydrants.

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

In accordance with regularly awarded contracts, the work of repaving the following-named thoroughfares was completed:

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Laight street.....	West to Greenwich street.....	302.0	78.1
Dover street.....	Pearl to South street.....	1,634.5	754.6
Harrison street.....	West to Washington street.....	630.1	155.8
North Moore street.....	West to Greenwich street.....	694.5	168.9
Beach street.....	West to Washington street.....	440.5	363.6
Hubert street.....	".....	309.0	81.2
Jay street.....	".....	826.5	276.5
Reade street.....	West to Greenwich street.....	511.8	139.8
Washington street.....	Reade to Spring street.....	4,473.4	1,416.4
North Moore street.....	West Broadway to Greenwich street.....	3,410.7	1,026.3
Beach street.....	".....	4,390.2	1,343.8
Hubert street.....	Hudson to Greenwich street.....	1,321.3	364.4
Fulton street.....	Broadway to Greenwich street.....	2,599.0	892.2
First avenue.....	One Hundred and Ninth to One Hundred and Sixteenth street.....	9,791.1	1,901.8
Tompkins street.....	Grand to Stanton street.....	3,511.1	411.3
Franklin street.....	West to Washington street.....	242.3	70.9
Canal street.....	".....	8,129.7	494.9
Total.....		37,217.7	9,940.5

Length in miles, 1.88.

The contract for repaving One Hundred and Twenty-fourth street, from Pleasant to Fourth avenue and from Lenox to Seventh avenue is in active progress. This street was paved several years ago with macadam pavement, which having become worn out and unfit for the requirements of the heavy traffic to which it is subject, is being replaced by new granite blocks. About 6,000 square yards of this pavement have been completed.

Contracts have been awarded for repaving: Bowery, from Chatham Square to Sixth street; Third avenue, from Sixth to Twenty-third street, and Park Row, from Frankfort street to and including Chatham Square, work upon which has not been permitted on account of the non-completion of the Third Avenue Cable Railroad through these thoroughfares, it being deemed to the best interests of the City to await the construction of the railroad before proceeding to repave the streets named.

REPAVING, CHAPTER 449, LAWS OF 1889, PERTAINING ONLY TO STREETS LYING WITHIN THE LIMITS OF GRANTS OF LAND UNDER WATER, THE COST OF THE WORK TO BE ASSESSED UPON THE PROPERTY LYING WITHIN THE LIMITS OF SAID GRANTS.

Work upon the following contracts was completed:

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Watts street.....	West to Greenwich street.....	1,397.0	330.0
Laight street.....	".....	1,245.0	327.0
Dover street.....	Pearl to South street.....	125.0	50.0
Harrison street.....	West to Washington street.....	436.0	165.5
Franklin street.....	".....	673.2	189.7
One Hundred and Tenth street.....	First avenue to Harlem river.....	2,437.0	729.0
Jay street.....	West to Washington street.....	149.4	102.8
Greenwich street.....	Vesey to Barclay street.....	1,136.3	310.8
Reade street.....	West to Washington street.....	594.5	276.5
Washington street.....	Chambers to Spring street.....	7,500.0	2,200.0
Hubert street.....	West to Greenwich street.....	1,143.3	325.5
North Moore street.....	West to Washington street.....	971.6	262.7
Beach street.....	".....	987.5	253.7
Total (including crosswalks).....		18,705.8	5,523.2

In addition to the above contracts have been let to repave:

Washington street, from Bank to Gansevoort street.
Vestry street, from West to Greenwich street.
Desbrosses street, from West to Greenwich street.
Watts street, from West to Greenwich street.
West street, from Battery place to Gansevoort street.
Twentieth street, from Avenue A to East river.
Fifth street, from Lewis street to East river.
Fifty-ninth street, from Twelfth avenue to Harlem river.

Work has begun upon all the above streets except the three last mentioned, contracts for repaving which have but recently been awarded, the area completed up to the present date being about 13,000 square yards.

REPAVING (CHAPTER 346, LAWS OF 1889).

(Annual appropriation of one million dollars.)

Work on the following contracts was completed :

With Asphalt.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Ninth street.....	Fifth avenue to University place.....	1,506.1	451.0
Twenty-second street.....	Lexington to Third avenue.....	1,466.3	443.9
Thirty-eighth street.....	Fifth to Madison avenue.....	1,516.1	453.0
Fifty-second street.....	Fifth to Sixth avenue.....	3,140.8	946.8
Mount Morris avenue.....	One Hundred and Twentieth to One Hundred and Twenty-fourth street.....	6,817.3	1,041.4
Thirty-fifth street.....	Madison to Sixth avenue.....	4,619.6	1,393.4
Thirty-ninth street.....	Fifth to Sixth avenue.....	3,149.6	947.7
Fortieth street.....	".....	3,112.5	947.9
Twenty-sixth street.....	Madison avenue to East river.....	10,587.5	3,359.8
Thirtieth street.....	Madison avenue to Broadway.....	3,116.3	929.2
Fifth avenue.....	One Hundred and Twenty-fourth to One Hundred and Thirtieth street.....	7,437.6	1,563.0
Seventy-fourth street.....	Madison to Fifth avenue.....	1,477.3	445.0
One Hundred and Twenty-fourth street.....	Mount Morris to Fifth avenue.....	1,634.3	492.4
Fifth avenue.....	One Hundred and Thirtieth to One Hundred and Thirty-fifth street.....	6,056.0	1,306.4
Total (including crosswalks).....		55,637.3	14,720.9

Length in miles, 2.78.

In addition to the above, contracts have been let for repaving West street, from Battery place to Gansevoort street (where not within the limits of grants of land under water).
Lexington avenue, from Thirty-second to Thirty-fourth street, and from Thirty-fifth to Forty-second street.

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

Twenty-third street, from Third to Tenth avenue.

Sixth avenue, from Carmine to Twenty-third street.

Grand street, from Broadway to Goerck street.

Park Row, from Frankfort street to Broadway.

Beekman street, from Park Row to Pearl street.

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

These streets are to be paved with granite-blocks on concrete foundation, and active work is in progress upon all except the three streets last mentioned, which have been held back awaiting the completion of the Third Avenue Cable Railroad. The estimated number of yards completed on the other contracts is 55,000.

The unfinished asphalt contracts are :

Fifty-seventh street, from Fourth to Madison avenue, and from Fifth to Sixth avenue.

Sixty-fourth street, from Fourth to Fifth avenue.

Sixty-fifth street, from Fourth to Fifth avenue.

Forty-fifth street, from Fifth to Sixth avenue.

Forty-eighth street, from Madison to Seventh avenue.

Fiftieth street, from Fifth to Sixth avenue.

Broadway (or Boulevard), from Seventy-ninth to Ninety-second street.

The area completed on the above is estimated at 37,000 square yards.

ASSESSMENT WORK.

Contracts were completed in the following-named streets :

With Granite Blocks.

STREET.	FROM	SQUARE YARDS.	LINEAL FEET.
Madison avenue.....	One Hundred and Fifth to One Hundred and Eighth street.....	3,188.0	700.0
Sixty-fourth street.....	Central Park, West, to Boulevard.....	2,305.0	691.7
First avenue.....	At intersection of One Hundred and Twenty-sixth street.....	356.4	60.0
One Hundred and Fifteenth street.....	Park to Fifth avenue.....	2,831.0	855.0
Total (including crosswalks).....		8,680.4	2,306.7

Length in miles, .43.

Contracts have recently been let for paving with granite-blocks :

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

One Hundred and Fifteenth street, from Eighth to Manhattan avenue.

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

Sixty-third street, from Amsterdam avenue to Boulevard, and Fifty-fifth street, from Avenue A to East river, work upon which will be commenced as soon as possible.

RECAPITULATION OF PAVING AND REPAVING WORK.

Granite.

Repaving streets and avenues, completed contracts.....	37,217.7 square yards
Repaving streets and avenues, uncompleted contracts.....	6,000.0 "
Repaving, chapter 449, Laws of 1889, completed contracts.....	18,705.8 "
Repaving, chapter 449, Laws of 1889, uncompleted contracts.....	13,000.0 "
Repaving, chapter 346, Laws of 1889, uncompleted contracts.....	55,000.0 "
Assessment work, completed contracts.....	8,680.4 "
Total.....	138,603.9 square yards.

Asphalt.

Repaving, chapter 346, Laws of 1889, completed contracts.....	55,637.3 square yards.
Repaving, chapter 346, Laws of 1889, uncompleted contracts.....	37,000.0 "
Total.....	92,637.3 square yards.

Summary.

Granite-block pavement laid during the quarter.....	138,603.9 square yards.
Asphalt pavement laid during the quarter.....	92,637.3 "
Total area of pavement laid.....	231,241.2 square yards.

The foregoing lists of streets show that a systematic course has been pursued in placing the pavements in thoroughfares largely devoted to traffic in such condition as will prove beneficial to the business portion of the city for many years to come, and had not the State Legislature of 1891 failed to authorize the necessary expenditure of money, the close of another year would have shown the lower part of New York as standing foremost in the quality of its street pavements.

STREET OPENINGS.

4,496 openings were made to repair gas, steam and water-mains, sewers, subways, etc.

492 notices were sent from the office of the General Inspector of Street Openings to corporations and others to repair defective places in the pavements where occurring over openings made by them.

440 defective places in the pavements were repaired in pursuance with such notices.

12.34 miles of gas-mains were laid.

13.41 miles of streets were opened for subways and other electrical appliances.

1,943 lineal feet of steam-pipe were laid.
66,885 lineal feet of double car-tracks were laid.
2,566 lineal feet of single car-tracks were laid.
12.37 miles of cable railroad tracks and conduits were laid.
The following table shows the area and mileage of the different kinds of pavement in the city south of the Harlem river :

KIND OF PAVEMENT.	SQUARE YARDS.	MILES.
Specification granite.....	2,669,689.97	122.21
Square granite.....	671,789.00	25.80
Specification trap.....	1,247,194.73	67.42
Belgian.....	2,536,282.27	106.63
Cobble.....	39,329.34	1.60
Asphalt.....	473,744.56	21.25
Wood.....	516.00	.03
Macadam.....	823,785.90	23.03
Total.....	8,462,331.77	367.97

Respectfully,

WM. H. BURKE, Water Purveyor.

Document "F."

REPORT OF ENGINEER IN CHARGE OF SEWERS.

DEPARTMENT OF PUBLIC WORKS,
OFFICE OF ENGINEER IN CHARGE OF SEWERS,
NO. 31 CHAMBERS STREET, ROOM 9,
NEW YORK, October 3, 1891.

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

DEAR SIR—In compliance with your instructions, I hand you herewith my report of the transactions of the Office of the Engineer in Charge of Sewers for the quarter ending September 30, 1891: 10,290 lineal feet of new sewers and 9 receiving-basins connected therewith have been built, making the present total length of the sewerage of the city 2,336,081 lineal feet (442¹/₁₀ miles), with 5,301 receiving-basins, which number includes 13 built under special contract, as hereafter stated.

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

18 sewer and 13 basin contracts have been completed, viz.:

Sewer in Ninetieth street, between Avenue A and Second avenue.

Sewer in Ninety-first street, between Tenth avenue and summit east.

Sewer in Ninety-fifth street, between Harlem river and First avenue.

Sewer in One Hundred and First street, between Park and Madison avenues.

Sewer in One Hundred and Second street, between Park and Madison avenues.

Sewer in Seventy-ninth street, between Boulevard and Amsterdam avenue.

Sewer in Park avenue, east side, between One Hundred and Twenty-fourth and One Hundred and Twenty-fifth streets.

Sewer in First avenue, between Forty-fourth and Forty-fifth streets.

Sewer in Fifth avenue, between One Hundred and Thirty-sixth and One Hundred and Thirty-seventh streets, etc.

Sewer in West street, between Dey and Murray streets, etc.

Sewer in Boulevard, east side, between One Hundred and Twelfth and One Hundred and Thirtieth streets, etc.

Sewer in Amsterdam (Tenth) avenue, between One Hundred and Thirty-eighth and One Hundred and Forty-first streets, etc.

Sewer in Edgecombe avenue, between One Hundred and Thirty-ninth and One Hundred and Fortieth streets, etc.

Sewer in Seventy-first street, between Boulevard (Sherman Square) and summit west.

Alteration and improvement to sewer in Mercer street, between Canal and Grand streets.

Alteration and improvement to sewer in Essex street, between Delancey and Broome streets.

Alteration and improvement to sewer in Fifty-fifth street, between Eighth and Ninth avenues.

Extension of sewer outlet in Rivington street, at East river.

Receiving-basin on the southwest corner of One Hundred and Sixteenth street and Fifth avenue. Receiving-basin on the northwest corner of One Hundred and Forty-sixth street and Eighth avenue.

Receiving-basin on the southeast corner of One Hundred and Fifteenth street and Fifth avenue.

Receiving-basin on the northeast corner of Fifty-fifth street and Avenue A.

Receiving-basin on the northeast and southeast corners of Fifty-second street and Twelfth avenue.

Receiving-basin on the northeast and southeast corners of One Hundred and Twenty-second street and Pleasant avenue.

Receiving-basin on the northwest and southwest corners of One Hundred and Tenth street and Pleasant avenue.

Receiving-basin on the southeast and northeast corners of One Hundred and Eighth street, and southeast corner of One Hundred and Ninth street and First avenue.

There are now in progress 30 contracts for new sewers and 3 contracts for receiving-basins.

1,184 receiving-basins and 52,421 lineal feet of sewer have been cleaned.

Yours, respectfully,

HORACE LOOMIS, Engineer in Charge of Sewers.

Statement Showing Amount of Work Done on Uncompleted Contracts during Quarter ending September 30, 1891.

DATE.	NATURE AND LOCATION OF WORK.	Estimated Cost.	Amount Earned.	Time Allowed.	Time Consumed.	Time Remaining.	REMARKS.
1890. Mar. 28	Sewers in South street, between Roosevelt street and Pike Slip, etc., with outlet through Pier, new 29, East river, and alteration and improvement to sewers in James Slip, Oliver and Catharine streets and Market Slip.....	\$44,669 00	\$39,739 50	400	315	85	Nearly completed.
May 1	Sewers in West street, between Carlisle and Dey streets, with outlet through Pier 13, North river, and alteration and improvement to sewers in Albany, Cedar, Liberty and Cortland streets.....	33,505 00	32,175 00	350	300	50	{ Completed, but not accepted.
1891. Apr. 24	Alteration and improvement to sewer in South Fifth avenue, between Canal and Broome streets, with overflow at junction with sewer in Broome street, etc.....	9,245 00	8,684 00	90	90	....	{ Completed, but not accepted.
" 29	Alteration and improvement to sewers in Sullivan street, between Canal and Broome streets; in Broome street, between Sullivan and Thompson streets, and in Thompson street, between Broome and Spring streets.....	16,740 00	17,085 00	125	123 ¹ / ₂	1 ¹ / ₂	{ Completed, but not accepted.
May 25	Sewers in South street, between Market Slip and Montgomery street, connecting with outlet built by Department of Docks through Pier, new 36, East river, with curves into Clinton street, and alteration and improvement to sewers in Pike and Rutgers Slips.....	36,122 00	5,600 00	250	95	155	

DATE.	NATURE AND LOCATION OF WORK.	Estimated Cost.	Amount Earned.	Time Allowed.	Time Consumed.	Time Remaining.	REMARKS.
				Days.	Days.	Days.	
1891.							
Aug. 5	Sewer in Astor place, between Broadway and Lafayette place...	\$1,708 00	\$1,701 00	30	28	....	{ Work completed, but not accepted.
July 6	Receiving-basin, northwest corner of Tompkins and Rivington streets.	219 50	196 50	4	6	....	{ Work completed, but not accepted.
Aug. 3	Alteration and improvement to sewer in Eighteenth street, between East river and Avenue A, connecting with outlet sewer to be built by Department of Docks; new sewer in Avenue C, between Sixteenth and Eighteenth streets, and connections with sewer in Avenue B, at Eighteenth street, and in Seventeenth street, at Avenue C.	27,547 50	1,900 00	170	35	135	
1890.							
June 9	Sewer in One Hundred and Seventieth street, between Tenth avenue and Kingsbridge road, and in Kingsbridge road, east side, between One Hundred and Seventieth and One Hundred and Seventy-third streets.	17,686 50	11,197 80	450	332	118	
Oct. 17	Sewer in Amsterdam (Tenth) avenue, east side, between One Hundred and Thirty-first street and a point 180 feet north of the north house-line of One Hundred and Thirty-third street.	10,250 00	10,104 00	250	233	....	{ Completed, but not accepted.
" 17	Sewer in Amsterdam (Tenth) avenue, west side, between One Hundred and Thirty-third street and a point 50 feet south of centre line of One Hundred and Thirty-sixth street.	14,534 65	10,352 00	350	275	75	
" 27	Sewer in Convent avenue, between manhole south of One Hundred and Thirty-fifth street and One Hundred and Thirty-fifth street; in One Hundred and Thirty-fifth street, between Convent and Amsterdam avenues, and in Amsterdam avenue, east side, between One Hundred and Thirty-fifth and One Hundred and Thirty-eighth streets.	16,335 00	10,456 90	430	240	190	
1891.							
May 16	Sewer in First avenue, between Ninetieth and Ninety-first streets.	2,992 50	2,800 50	85	....	....	{ Completed, but not accepted.
Oct. 27	Sewer in One Hundred and Fortieth street, between Hamilton place and Amsterdam (Tenth) avenue, and in Amsterdam (Tenth) avenue, west side, between One Hundred and Fortieth and One Hundred and Thirty-eighth streets.	11,170 00	9,850 40	290	241	....	{ Completed, but not accepted.
" 28	Sewer in Boulevard, west side, and West End avenue, between One Hundred and Fifth and One Hundred and Eighth streets, with curves into One Hundred and Fifth, One Hundred and Sixth and One Hundred and Seventh streets.	16,087 00	11,000 00	400	230	170	
Jan. 6	Sewer in One Hundred and Sixty-ninth street, between Amsterdam and Eleventh avenues.	7,620 00	5,115 00	200	162	38	Nearly completed.
" 9	Sewer in One Hundred and Sixteenth street, between Amsterdam avenue and Morningside avenue, West.	12,180 00	8,080 00	300	182	118	
Aug. 3	Sewer in Sixty-fifth street, between property of New York Central and Hudson River Railroad and West End avenue.	2,162 50	500 00	45	30	15	{ Will be delayed on account of Standard Oil pipe in way.
Sept. 4	Sewer in Fifty-sixth street, between Hudson river and Eleventh avenue, connecting with outlet to be built by Department of Docks.	7,554 00	....	75	15	60	Just commenced.
" 11	Sewer in Sixty-fourth street, between property of New York Central and Hudson River Railroad and Eleventh avenue.	1,101 00	....	25	10	15	"
Apr. 24	Sewer in Edgecombe avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets.	41,315 00	3,140 00	800	108	692	
May 4	Sewer in Seventy-second street, extending about 615 feet east of Avenue A.	14,592 00	2,360 00	300	107	193	
Aug. 3	Sewer in One Hundred and Third street, between Harlem river and First avenue.	5,124 00	5,102 00	45	37	8	
Sept. 11	Sewer in Eighty-eighth street, between Avenue A and summit east.	2,422 50	....	65	10	....	Just commenced.
" 11	Sewer in Lexington avenue, between Seventy-first and Seventy-second streets.	1,823 00	....	50	8	....	"
Aug. 3	Sewer in One Hundred and Nineteenth street, between Avenue St. Nicholas and Eighth avenue, connecting with sewer east of Avenue St. Nicholas.	1,856 00	1,812 07	45	39	....	{ Completed, but not accepted.
Sept. 3	Receiving-basin southwest corner One Hundred and Ninth street and First avenue.	228 00	193 00	5	5	....	{ Completed, but not accepted.
" 3	Receiving-basin southwest corner Ninety-ninth street and Third avenue.	276 65	245 50	6	6	....	{ Completed, but not accepted.

REPORT OF THE TRANSACTIONS OF THE OFFICE OF THE ENGINEER IN CHARGE OF SEWERS FOR THE QUARTER ENDING SEPTEMBER 30, 1891.

Credit to General Fund—		
Amount received for 315 permits for sewer connections.	\$9,183 01	
Engineers' Fees—		
Amount of Engineers' fees assessed on property benefited, and charged to Street Improvement Fund.	\$9,636 59	
Sewers—Repairing and Cleaning—		
Balance on hand June 30, 1891.	\$79,702 70	
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Laborers, etc.	\$21,021 12	
Cleaning	6,302 37	
Materials and sundries.	2,157 69	
Balance, September 30, 1891.	50,221 52	
	79,702 70	
Sewers—Repairing and Cleaning, 1890—		
Balance on hand, June 30, 1891.	\$3,452 50	
Vouchers transmitted to the Commissioner of Public Works—		
Sundries.	\$2,595 25	
Balance, September 30, 1891.	857 25	
	3,452 50	
Sewers—Repairing and Cleaning—Salaries—		
Balance on hand June 30, 1891.	\$5,088 04	
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Inspectors, etc.	\$2,441 98	
Balance, September 30, 1891.	2,646 06	
	5,088 04	

Sewerage System—Salaries—		
Balance on hand June 30, 1891.	\$4,653 83	
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Engineers, etc.	\$2,100 00	
Balance, September 30, 1891.	2,553 83	
	4,653 83	

Boring Examinations for Grading and Sewer Contracts—		
Balance on hand June 30, 1891.	\$2,223 50	
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Axeman, etc.	\$881 00	
Balance, September 30, 1891.	1,342 50	
	2,223 50	

Restoring and Repaving—Special Fund—		
Amount received for permits for street openings.	\$10,605 00	

Street Improvement Fund—		
Vouchers transmitted to the Commissioner of Public Works—		
Pay-roll of Engineers, etc.	\$5,299 98	
Pay-roll of Inspectors, etc.	9,846 87	
On contracts.	110,029 40	
	\$125,176 25	

Work done by Mechanics and Laborers—	
470 receiving-basins relieved.	
1,184 receiving-basins and culverts cleaned.	
11,146 lineal feet of sewer cleaned.	
300 lineal feet of sewer relieved.	
223,600 lineal feet of sewer examined.	
20 lineal feet of brick sewer built.	
58 lineal feet of brick sewer rebuilt.	
257 lineal feet of brick sewer repaired.	
8 lineal feet of brick culvert repaired.	
30 lineal feet of pipe culvert laid.	
12 lineal feet of spur pipe laid.	
66 lineal feet of new curb set.	
194 manhole heads reset.	
11 basin heads reset.	
1 new bulkhead built.	
1 new manhole built.	
27 receiving-basins repaired.	
7 manholes repaired.	
71 new manhole heads and covers put on.	
2 new basin heads and covers put on.	
19 new basin covers put on.	
27 new manhole covers put on.	
1,440 cubic feet of brick work built.	
235 square feet of flagging relaid.	
361 square yards of pavement relaid.	
6,250 cubic yards of earth excavated and refilled.	
3,811 cart-loads of dirt removed.	
52 cart-loads of earth filling.	

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, October 6, 1891.

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

SIR—In compliance with your instructions, I have the honor to herewith submit my report of the transactions of the Bureau of Street Improvements for the quarter ending September 30, 1891:

Respectfully submitted,

W. M. DEAN, Superintendent of Street Improvements.

STATEMENT OF AMOUNT OF WORK DONE DURING THE QUARTER ENDING SEPTEMBER 30, 1891.

Earth excavated	8,326	cubic yards.
Rock excavated	25,369	"
Filling furnished	51,182	"
Curb-stones set	8,029	lineal feet.
" reset	3,169	"
Flagging laid	56,006	square feet.
relaid	11,862	"
Picket fence built	3,830	lineal feet.
Iron fence built	384	"

AMOUNT OF VOUCHERS DRAWN.

Street Improvement Fund	\$60,995 15
Street Improvements—For Surveying, etc.	644 50
Contingencies—Department of Public Works.	310 85
Retaining-walls in East Fifty-first and East Forty-second Streets.	316 00
Flagging Sidewalks, etc., in front of City Property	266 05
Total	\$62,532 55

APPROPRIATIONS.

Street Improvements—For Surveying, Monumenting, etc.	\$3,000 00
Amount of vouchers drawn during first quarter	\$577 50
Amount of vouchers drawn during second quarter	585 00
Amount of vouchers drawn during third quarter	644 00
Outstanding liabilities	644 50
Balance (estimated)	549 00
	3,000 00

Flagging Sidewalks and Fencing Vacant Lots in front of City Property

Amount of vouchers drawn during quarter.	\$266 05
Balance	1,733 95
	\$2,000 00

Contingencies—Department of Public Works—

Amount of voucher drawn during quarter.

Retaining-walls in East Fifty-first and East Forty-second Streets—	
Amount of vouchers drawn during first quarter.	\$292 00
Amount of vouchers drawn during second quarter.	2,470 80
Amount of vouchers drawn during third quarter.	316 00
	\$3,078 80

WORKS COMPLETED.

Regulating, Grading, etc.—	
One Hundred and Third street, from First avenue to East river.	\$1,871 56
One Hundred and Eleventh street, from Fifth to Sixth avenue.	2,078 16
One Hundred and Forty-sixth street, from Boulevard to Hudson River Railroad tracks.	7,933 82
Jumel Terrace, from One Hundred and Sixtieth to One Hundred and Sixty-second street.	8,066 80
One Hundred and Forty-second street, from Boulevard to Twelfth avenue.	4,670 84
Total.	\$24,621 18

Curbing, Flagging, etc.—

North side One Hundred and Tenth street, from Seventh to Eighth avenue.....	\$432 90
South side One Hundred and First street, from Ninth to Tenth avenue.....	983 25
Seventy-ninth street, from Amsterdam avenue to Boulevard.....	1,188 14
South side One Hundred and Thirty-first street, from Amsterdam avenue to Western Boulevard.....	1,065 41
South side Fifty-ninth street, West of Grand Circle.....	100 88
West side Amsterdam avenue, from One Hundred and First to One Hundred and Second street.....	257 79
One Hundred and Seventeenth street, from St. Nicholas to Seventh avenue.....	331 47
West side Church street, from Vesey to Fulton street.....	314 63
North side Seventy-third street, from First to Second avenue.....	234 62
South side Sixty-sixth street, from Columbus to Amsterdam avenue.....	277 27
East side Fifth avenue, from East One Hundred and Sixteenth to One Hundred and Seventeenth street.....	165 39
South side One Hundred and Thirty-first street, from Fifth to Lenox avenue.....	380 01
One Hundred and Twenty-ninth street, from Lexington to Park avenue.....	1,270 14
North side Eighth street, east of Broadway.....	172 25
Northwest corner One Hundred and Twentieth street and Seventh avenue.....	369 00

\$7,543 15

Iron Fence—

East side Edgecombe avenue, from One Hundred and Forty-fifth street to St. Nicholas place.....	\$6,247 70
--	------------

Fencing Vacant Lots—

One Hundred and Second street, from Columbus to Amsterdam avenue.....	\$105 77
Eighty-fifth and Eighty-sixth streets, from Boulevard to West End avenue.....	292 91
One Hundred and Twenty-first and One Hundred and Twenty-second streets, from St. Nicholas to Manhattan avenue.....	234 25
South side One Hundred and Nineteenth street, from Fifth to Lenox avenue.....	220 95
South side One Hundred and Seventh street, from Park to Madison avenue.....	492 51
One Hundred and Third and One Hundred and Fourth streets, Central Park, West, to Manhattan avenue.....	583 70
Northwest corner Avenue B and Eighty-first street.....	98 31
South side Seventy-seventh street and Columbus avenue.....	144 77
One Hundred and Fourth and One Hundred and Fifth streets, from Fifth to Madison avenue.....	380 03 *

2,553 20

Total..... \$40,965 23

Statement showing Works under Contract in Bureau of Street Improvements on the 30th day of September, 1891.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
<i>Regulating and Grading, etc.</i>									
Kingsbridge road, One Hundred and Ninetieth street to Harlem river.....	B. F. Coleman.....	J. McI. Smith.....	Frederick G. Fay.....	300 days.	\$204,990 00	\$194,630 00	\$58,389 00	\$136,241 00	
Claremont avenue, One Hundred and Twenty-second to One Hundred and Twenty-seventh street.....	Benjamin J. Carr, Jr.....	Thomas Slator.....	David Simmons.....	200 "	17,368 88	11,540 00	3,462 00	8,078 00	Work not yet commenced.
" F " street, Dyckman street to Bolton road.....	Bart. Dunn.....	R. L. Waters.....	R. V. Davis.....	75 "	8,366 21				
Dyckman street, Hudson river to Exterior street.....	William E. Dean.....	R. L. Waters.....	R. V. Davis.....	450 "	128,165 57				
One Hundred and Sixth street, Boulevard to Riverside Drive.....	R. McLaughlin.....	R. L. Waters.....	Thomas W. Gibbons.....	150 "	7,604 95				
One Hundred and Ninth street, Manhattan to Columbus avenue.....	John J. Farley.....	R. Amerman.....	W. J. V. Hart.....	75 "	6,031 25	3,408 47	1,022 54	2,385 93	
One Hundred and Eighteenth street, Morningside to Amsterdam avenue.....	John J. Farley.....	C. J. Lynch.....	James H. Lowery.....	120 "	10,302 54	4,431 87	1,329 56	3,102 31	
One Hundred and Nineteenth street, Morningside to Amsterdam avenue.....	M. I. Slodon.....	M. Cox.....		100 "	5,996 83	3,900 00	1,170 00	2,730 00	
One Hundred and Twentieth street, Morningside avenue to Broadway Boulevard.....	Thomas J. Riley.....	A. P. Hartman.....	Thomas P. Moore.....	120 "	12,123 42	8,670 00	2,601 00	6,069 00	
One Hundred and Twenty-first street, Amsterdam to Morningside avenue.....	R. McLaughlin.....	M. Cox.....	John Lawrence.....	70 "	6,371 89	1,695 50	508 50	1,186 50	
One Hundred and Twenty-third street, Tenth avenue to Boulevard.....	M. Fortunato.....	F. E. Towle.....	Bernard Martin.....	200 "	10,815 00	8,443 00	2,532 90	5,910 10	
One Hundred and Twenty-fourth street, Boulevard to Amsterdam avenue.....	William J. Riley.....	F. E. Towle.....	Sylvester Bennett.....	300 "	13,351 34				
One Hundred and Twenty-seventh street, Boulevard to Riverside Drive.....	R. McLaughlin.....	R. L. Waters.....	B. A. Frazer.....	30 "	3,086 02				
One Hundred and Thirty-second street, Boulevard to Twelfth avenue.....	John J. Hopper.....	George A. Wheeler.....	Isaac Smith.....	250 "	4,320 00				Work completed, but not accepted.
One Hundred and Thirty-third street, Amsterdam to Convent avenue.....	John Slattery.....	R. L. Waters.....	P. H. Kidney.....	40 "	2,947 76				Work completed, but not accepted.
One Hundred and Thirty-fifth street, Amsterdam to Convent avenue.....	John J. Hopper.....	R. L. Waters.....	L. A. Russell, Jr.....	45 "	1,304 08				Work completed, but not accepted.
One Hundred and Thirty-eighth street, Fifth to Lenox avenue.....	Charles V. Hough.....	J. McI. Smith.....	Charles M. Torpey.....	200 "	5,622 66				
One Hundred and Fortieth street, Amsterdam to Convent avenue.....	James Leeson.....	R. J. Dodge.....	John McGuire.....	60 "	2,698 00				
One Hundred and Forty-first street, Seventh avenue to Harlem river.....	Charles V. Hough.....	M. A. Lacy.....	James Kearney.....	200 "	9,490 36				
One Hundred and Forty-second street, Seventh avenue to Harlem river.....	R. McLaughlin.....	M. A. Lacy.....	P. F. Sullivan.....	250 "	11,671 90	4,784 40	1,435 32	3,349 08	
One Hundred and Forty-third street, Seventh avenue to Harlem river.....	R. McLaughlin.....	George A. Wheeler.....	Charles M. Torpey.....	250 "	12,303 30	7,361 00	2,208 30	5,152 70	Work completed, but not accepted.
One Hundred and Forty-seventh street, Boulevard to 500 feet west.....	Harry Van Zandt.....	Robert J. Dodge.....	Dennis O. Connor.....	110 "	4,595 00				
One Hundred and Forty-ninth street, Tenth avenue to Western Boulevard.....	William G. Leeson.....	F. E. Towle.....	Edward F. Smith.....	200 "	14,259 52	13,715 50	4,114 65	9,600 85	Work completed, but not accepted.
One Hundred and Sixty-fifth street, Eleventh avenue to Boulevard.....	George F. Doak.....	R. L. Waters.....	James L. Brown.....	200 "	23,910 35	11,349 00	3,402 00	7,938 00	
One Hundred and Eighty-third street, Amsterdam avenue to Kingsbridge road.....	B. F. Coleman.....	R. L. Waters.....	John E. Wilson.....	100 "	24,076 25	5,480 00	1,644 60	3,836 00	
One Hundred and Ninetieth street, Amsterdam to Audubon avenue.....	James A. Smith.....	F. E. Towle.....	B. V. Frazer.....	40 "	2,883 15				
<i>Curbing, Flagging, etc.</i>									
Delancey street, Mangin to East street.....	Bart. Dunn.....	J. A. Briggs.....		4 "	1,962 00				Work not yet commenced.
West side Tompkins street, Broome to Delancey street.....	Bart. Dunn.....	M. A. Lacy.....		2 "	491 75				Work not yet commenced.
North side Hester street, Suffolk to Clinton street.....	Bart. Dunn.....	George A. Wheeler.....		2 "	480 00				Work not yet commenced.
South side Livingston street, Mangin to East street.....	Walter J. Ford.....	F. E. Towle.....	D. H. Davis.....	5 "	632 00				Work completed, but not accepted.
South side Livingston street, Norfolk to Suffolk street.....	Bart. Dunn.....	F. E. Towle.....		3 "	586 36				Work not yet commenced.
East side Avenue A, Seventy-third to Seventy-fourth street.....	Thomas J. Dunn.....	George E. Babcock.....	Mark Neary.....	24 "	4,039 33				Work suspended.
East side Park avenue, One Hundred and Seventeenth to One Hundred and Eighteenth street.....	Bart. Dunn.....	M. Cox.....	C. J. McGuire.....	3 "	531 74				Work completed, but not accepted.
East side Fifth avenue, Eighty-sixth to Ninety-first street.....	Bart. Dunn.....	J. A. Briggs.....		4 "	2,089 00				Work not yet commenced.
Seventy-fifth to Seventy-sixth street, Columbus avenue to Central Park, West.....	Bart. Dunn.....	R. J. Dodge.....	Theo. Pratt.....	9 "	2,455 50				Work completed, but not accepted.
North side Eighty-sixth street, Madison to Fifth avenue.....	Bart. Dunn.....	J. A. Briggs.....		3 "	937 30				Work not yet commenced.
Southeast corner Eighty-eighth street and Columbus avenue.....	Thomas J. Dunn.....	R. L. Waters.....		3 "	500 90				Work not yet commenced.
North side One Hundred and Third street, Central Park, West, to Columbus avenue.....	Patrick Hardiman.....	Thomas Slator.....	George Hornum.....	4 "	1,353 09				Work completed, but not yet accepted.
South side One Hundred and Twentieth street, Madison to Lenox avenue.....	A. E. Moran.....	Charles H. Haswell.....	D. H. Davis.....	10 "	1,601 92				
North side One Hundred and Twenty-fifth street, west of Seventh avenue.....	A. E. Moran.....	R. J. Dodge.....	D. H. Davis.....	4 "	1,186 00				Work completed, but not yet accepted.
One Hundred and Twenty-fifth street, Eighth to Columbus avenue.....	Walter J. Ford.....	C. J. Lynch.....	John McGuire.....	10 "	1,597 00				
Northwest and southwest corners One Hundred and Twenty-second street and Mount Morris avenue.....	Bart. Dunn.....	M. Cox.....	C. J. McGuire.....	3 "	641 46				Work completed, but not yet accepted.
<i>Special Contracts—Curbing, Flagging and Fencing Vacant Lots.</i>									
Madison avenue, Seventy-first to Seventy-second street.....	Thomas J. Dunn.....	R. J. Dodge.....		3 "	267 50				Work not yet commenced.
East side Amsterdam avenue, north of Seventy-second street.....	John R. Anderson.....	G. A. Wheeler.....	M. Neary.....	3 "	31 83				Work completed, but not accepted.
North side Eleventh street and south side Twelfth street, Second to Third avenue.....	John R. Anderson.....	G. A. Wheeler.....	Theo. Pratt.....	1 "	118 30				Work completed, but not accepted.
Northeast corner Eighty-sixth street and Fifth avenue.....	John S. Dingwall.....	G. A. Wheeler.....	C. J. McGuire.....	2 "	65 50				Work completed, but not accepted.
North side Ninety-second street, Central Park, West, to Columbus avenue.....	John S. Dingwall.....	G. A. Wheeler.....	C. J. McGuire.....	3 "	125 94				Work completed, but not accepted.
South side One Hundred and Thirteenth street, Eighth to Manhattan avenue.....	John R. Anderson.....	G. A. Wheeler.....	M. Neary.....	2 "	193 70				Work completed, but not accepted.
South side One Hundred and Fifteenth street, Madison to Fifth avenue.....	Thomas J. Dunn.....	R. L. Waters.....	M. Neary.....	3 "	139 02				Work completed, but not accepted.
South side One Hundred and Forty-fourth street, Eighth to Bradhurst avenue.....	John S. Dingwall.....	George A. Wheeler.....	C. J. McGuire.....	2 "	49 12				Work completed, but not accepted.
Totals.....					\$576,762 50	\$279,399 24	\$83,819 77	\$195,579 47	

Document "H."

REPORT OF THE SUPERINTENDENT OF STREETS.

DEPARTMENT OF PUBLIC WORKS,
BUREAU OF STREETS AND ROADS, ROOM 12, NO. 31 CHAMBERS STREET,
NEW YORK, October 8, 1891.

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

SIR—I transmit herewith report of the work done by this Bureau during the quarter ending September 30, 1891.

Respectfully,

JOHN B. SHEA, Superintendent of Streets.

The following is the work done on macadamized roadways during the quarter ending September 30, 1891:

Roadway resurfaced and repaired.....	55,467 square yards.
Stone-block pavement relaid.....	28 "
Gutters repaved.....	82 "
Bridge-stone relaid.....	520 square feet.
Stone screened.....	769 truck loads.
Stone hauled.....	817 "
Gravel spread.....	812 "
Sand spread.....	70 "
Gutters cleaned.....	13 miles.
Weeds mowed and removed.....	24 truck loads.

The roadway of 25 miles of streets was cleaned during the quarter.

In repairing in the macadamized roads there were used of:

Broken trap-stone.....	2,549 truck loads.
Trap rock screenings.....	905 "
Broken gneiss stone.....	120 "
Gravel.....	812 "
Gravel screenings.....	147 "
Sand.....	70 "
Earth.....	50 "

In making repairs over sewer and water connections, 75 cubic yards of trap rock; 45 cubic yards of Telford and 25 cubic yards of trap screenings; 2,948 truck loads of dirt were removed during the quarter.

During the quarter the macadamized and gravel roads were sprinkled to the full extent of the facilities for sprinkling at the disposition of this Bureau.

The following is the work done on unpaved streets during the quarter ending September 30, 1891:

Roadway regulated and graded.....	2 miles.
Macadam laid and covered with clay.....	440 square yards.
Stone broken for macadamizing.....	100 cubic yards.
Rubble laid.....	480 square yards.
Rock filling placed.....	600 cubic yards.

1,052 truck loads of earth and 1,550 of stone were used in making repairs.

All of the material used was obtained free of cost to the city.

Kingsbridge Road, Depot lane, One Hundred and First and One Hundred and Seventy-fifth streets, Tenth and Eleventh avenues were sprinkled.

34 truck loads of refuse were carted to the dump.

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

Boulevards, Roads and Avenues, Maintenance of—General Account, etc.	\$90,000 00
Amount transmitted during the first quarter ending March 31, 1891.	11,234 02
Balance, April 1, 1891.	\$78,765 98
Amount transmitted during the second quarter ending June 30, 1891.	28,033 61
Balance, June 30, 1891.	\$50,732 37
Amount transmitted during the third quarter ending September 30, 1891, is as follows:	
Pay-roll, Laborers, etc., week ending July 4, 1891.	\$2,211 24
" " " " 11, " "	2,514 06
" " " " 18, " "	2,482 99
" " " " 25, " "	2,424 61
" " " " August 1, 1891.	2,465 36
" " " " 8, " "	2,454 17
" " " " 15, " "	2,468 18
" " " " 22, " "	2,362 50
" " " " 29, " "	2,227 80
" " " " September 5, 1891.	1,839 93
" " " " 12, " "	1,836 05
" " " " 19, " "	2,187 18
" " " " 26, " "	2,204 30
Use of telephone.	33 75
Repairs to sprinklers.	75 10
Steel and alcohol.	40 45
Hubs, leather, etc.	71 78
Paints.	9 70
Rent of yard.	1,000 00
Rubber hose.	85 00
	30,994 15
Balance, September 30, 1891.	\$19,738 22

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

Roads, Streets and Avenues unpaved, Maintenance of and Sprinkling.	\$30,000 00
Amount transmitted during the first quarter ending March 31, 1891.	3,134 10
Balance, April 1, 1891.	\$26,865 90
Amount transmitted during the second quarter ending June 30, 1891.	4,184 20
Balance, June 30, 1891.	\$22,681 70

Amount transmitted during the third quarter ending September 30, 1891, is as follows:

Pay-roll, Laborers, etc., week ending July 4, 1891.	\$291 00
" " " " 11, " "	351 99
" " " " 18, " "	337 50
" " " " 25, " "	369 49
" " " " August 1, 1891.	399 74
" " " " 8, " "	394 00
" " " " 15, " "	381 00
" " " " 22, " "	401 50
" " " " 29, " "	375 50
" " " " September 5, 1891.	308 75
" " " " 12, " "	304 50
" " " " 19, " "	358 75
" " " " 26, " "	360 75
Use of horse and wagon.	270 00
Sprinkling wagon.	770 00
Limestone screenings.	486 80
	6,161 27
Balance, September 30, 1891.	\$16,520 43

Boulevards, Roads and Avenues, Maintenance of—Salaries, 1891.	\$2,500 00
Amount transmitted during the first quarter ending March 31, 1891.	624 99

Balance, April 1, 1891.	\$1,875 01
Amount transmitted during the second quarter ending June 30, 1891.	624 99

Balance, June 30, 1891.	\$1,250 02
Amount transmitted during the third quarter ending September 30, 1891.	624 99

Balance, October 1, 1891.	\$625 03
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The following amount has been transmitted during the quarter ending September 30, 1891, and charged to Street Improvement Fund:

Final contract.	\$826 98
Pay-roll, Inspector of Crosswalks.	10 50
Surveyors' fees.	149 38
Total.	\$986 86

The following amount has been drawn against Restoring and Repaving—Special Fund

Roads, Streets and Avenues, Unpaved, Maintenance of—Sprinkling, 1890.	\$25,000 00
Amount transmitted during the year 1890.	24,071 56

Balance, December 26, 1890.	\$928 44
Amount transmitted during the third quarter ending September 30, 1891, from the Appropriation of 1890.	812 80
Balance, September 30, 1891.	\$115 64

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, October 10, 1891.

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

SIR—I herein submit a report of the transactions of the Bureau of Lamps and Gas for the quarter ending September 30, 1891:

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," and this shows an expenditure during the quarter of one hundred and eighty-six thousand eight hundred and sixty-nine dollars and sixty-seven cents (\$186,869.67), and for the past nine months of four hundred and ninety-eight thousand and sixty-five dollars and fifty-three cents (\$498,065.53), with liabilities for lighting the public lamps, etc., for month of September, sixty-five thousand six hundred dollars and thirty-eight cents (\$65,600.38), leaving an available balance of one hundred and ninety-six thousand three hundred and thirty-four dollars and nine cents (\$196,334.09).

Exhibit "C" is a summary of the appropriation for "Lamps and Gas and Electric Lighting—Salaries," and this shows an expenditure during the quarter of sixteen hundred and twenty-four dollars and ninety-five cents (\$1,624.95), and for the past nine months of forty-eight hundred and seventy-four dollars and eighty-five cents (\$4,874.85), leaving an available balance of sixteen hundred and twenty-five dollars and fifteen cents (\$1,625.15).

Exhibit "D" is a summary of the "Lamp Account," showing the number of new lamps lighted, old lamps relighted and lamps discontinued by each gas and electric-light company during the quarter; a total of one hundred and ninety-nine new gas-lamps and fifty-eight new electric-lamps having been fitted up and lighted, sixty-nine gas-lamps and one electric-lamp relighted, and three hundred and forty-five gas-lamps discontinued, of which two hundred and fifty-six were displaced by electric-lights; there were also two electric-lamps discontinued on account of cutting the electric

wires. The total number of lamps lighted on September 30 was twenty-six thousand five hundred and fifty-seven gas, one hundred and thirty-eight naphtha and eleven hundred and sixty-five electric, making a total of all kinds of twenty-seven thousand eight hundred and sixty.

Exhibit "E" is a statement showing the lowest, highest and average illuminating power of the gases supplied to the City by such of the gas companies as are within reach of our photometric stations.

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

OF WHAT COMPANY.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)	SULPHURETED HYDROGEN.
Consolidated Gas Company—			
Branch 1.	4.46	2.60	None.
Branch 2.	5.98	3.13	"
Branch 3.	2.80	0.50	"
Branch 4.	16.36	12.53	"
Branch 6.	2.42	0.58	"
New York Mutual Gas-light Company.	4.60	0.38	Trace.
Equitable Gas-light Company.	6.04	0.15	None.

The following shows the specific gravity of the gases:

Consolidated Gas Company—	
Branch 1, specific gravity.	.587
Branch 2, " "	.532
Branch 3, " "	.652
Branch 4, " "	.516
Branch 6, " "	.650
New York Mutual Gas-light Company, specific gravity.	.754
Equitable Gas-light Company, " "	.705

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

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
Consolidated Gas Company—	Inches.	Inches.		Miles.
Branch 1.	2.10	2.01	Cor. of Grand street and Bowery.	1.1 ⁰⁰
Branch 2.	2.32	1.51	" " "	1.1 ⁰⁰
Branch 3.	2.44	1.89	" " "	3.1 ⁰⁰
Branch 4.	2.24	1.12	{ Seventy-ninth street, between } { Second and Third avenues. }	3.1 ⁰⁰
Branch 6.	2.49	1.43	{ Seventy-ninth street, between } { Second and Third avenues. }	1.1 ⁰⁰
New York Mutual Gas-light Co.	3.31	2.22	Cor. of Grand street and Bowery.	1.1 ⁰⁰
Equitable Gas-light Company.	3.17	1.88	" " "	2.1 ⁰⁰

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 September 30, 1891.

Washington Market.	\$858 40
Catharine Country Market.	34 00
Catharine Meat Market.	18 01
Fulton Meat Market.	315 37
Fulton Country Market.	448 50
Essex Market.	29 25
Centre Market.	99 25
Clinton Market.	233 99
Union Market.	7 50
Tompkins Market.	94 00
Jefferson Market.	59 00
First District Police Court.	298 01
Second District Police Court.	53 75
Third District Police Court.	32 00
Fourth District Police Court.	69 50
Fifth District Police Court.	1 74
First District Civil Court.	50
Second District Civil Court.	7 25
Fourth District Civil Court.	5 88
Fifth District Civil Court.	21 25
Sixth District Civil Court.	25
Eighth District Civil Court.	6 25
Ninth District Civil Court.	4 01
Court of Special Sessions.	34 63
Brown-stone (Court-room) Building.	140 38
New Court-house.	1,418 50
City Hall.	444 99
Corporation Counsel's Office.	5 89
Corporation Attorney's Office.	21 36
Public Administrator.	3 63
Board of Assessors.	5 88
Department of Public Works.	168 13
Department of Taxes.	3 62
CITY RECORD Bookbindery.	4 00
Register's Office.	47 37
County Jail.	312 50
Pipe Yard, Rivington street.	3 25
Pipe Yard, East Twenty-fourth street.	6 88
Water Purveyor's Shop, Mulberry street.	1 37
Water Purveyor's Shop, West Thirtieth street.	4 75
Water Purveyor's Shop, East Eighty-seventh street.	5 88
Water Purveyor's Shop, East One Hundred and Twenty-fifth street.	8 25
South Gate-house.	31 26
Engine-house, High Water Service, High Bridge.	116 00
Engine-house, High Water Service, Ninety-eighth street.	266 50
Clock-tower, Third District Court-house.	269 50
New York City Civil Service Board.	1 87
Bureau of Streets and Roads, West One Hundred and Nineteenth street.	3 24
Bureau of Incumbrances, East Sixteenth street.	3 50
Dog Pound, East One Hundred and Second street.	4 88
Photometer Room, Bowery and Grand street.	7 62
Photometer Room, East Seventy-ninth street.	50
Engineer's Office, Croton Aqueduct, easterly end of High Bridge.	11 84
Seventh Regiment Armory.	253 75
Eighth Regiment Armory.	380 87
Ninth Regiment Armory.	118 00
Twelfth Regiment Armory.	316 25
Twenty-second Regiment Armory.	452 38
Sixty-ninth Regiment Armory.	110 25
Seventy-first Regiment Armory.	73 87
Troop "A" Armory.	34 50
First Battery Armory.	73 75
Second Battery Armory.	48 25

Public Bath, Battery.....	\$21 12
Public Bath, foot of Duane street, North river.....	23 00
Public Bath, foot of Horatio street, North river.....	21 00
Public Bath, foot of Market street, East river.....	20 88
Public Bath, foot of Grand street, East river.....	26 75
Public Bath, foot of Fifth street, East river.....	20 88
Public Bath, foot of Nineteenth street, East river.....	24 62
Public Bath, foot of Twenty-eighth street, North river.....	23 87
Public Bath, foot of Thirty-seventh street, East river.....	18 12
Public Bath, foot of Fiftieth street, North river.....	15 63
Public Bath, foot of Fifty-first street, East river.....	20 88
Public Bath, foot of Eighty-sixth street, East river.....	18 87
Public Bath, foot of One Hundred and Twelfth street, East river.....	16 50

Deduct for overcharge to Department of Taxes in previous quarters..... \$8,189 71
11 00

Lighting public markets, etc. (Pay-rolls).....	\$8,178 71
Cleaning Photometrical Rooms (Pay-rolls).....	785 50
Gas examinations.....	15 00
Cartages.....	398 50
Rent of Photometrical Rooms, Grand street.....	250 00
Rent of Photometrical Rooms, Seventy-ninth street.....	150 00
New lamp-posts.....	90 00
New street-lamps.....	2,487 86
New Boulevard lamps.....	2,176 50
New crossheads.....	717 00
New lamp-irons.....	195 00
New lamp-brackets.....	63 00
New street-signs.....	15 00
Lettering Boulevard globes.....	281 25
Supplies for Photometric Stations.....	65 70
Glass.....	72 99
Repairing street-lamps, etc.....	62 50
Tools.....	264 91
Fitting up new lamps.....	5 75
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	1,062 00
Resetting and repairing lamp-posts.....	184 00
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	5,979 50
Lighting public lamps.....	1,407 00
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	85,437 09
Lighting electric-lamps.....	34,932 94
Lighting electric-lamps, Twenty-third and Twenty-fourth Wards.....	36,584 25
Lighting naphtha-lamps.....	5,144 40
Lighting naphtha-lamps, Twenty-third and Twenty-fourth Wards.....	763 32

Total..... \$186,869 67

RECAPITULATION.

Gas to public offices, etc.....	\$8,178 71
Supplies to public lamps, etc.....	8,096 46
Fitting up new lamps.....	1,062 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	184 00
Resetting and repairing lamp-posts.....	5,979 50
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	1,407 00
Lighting public lamps.....	85,437 09
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	34,932 94
Lighting electric-lamps.....	36,584 25
Lighting electric-lamps, Twenty-third and Twenty-fourth Wards.....	5,144 40
Lighting naphtha-lamps.....	763 32

Total..... \$186,869 67

EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting," for 1891, Showing the Amounts Expended during the Quarter ending September 30, 1891, and the Balance Standing to the Credit of the Appropriation.

Amount appropriated for Lamps and Gas and Electric Lighting.....	\$760,000 00
Amount expended during the quarter ending March 31.....	\$123,654 32
Amount expended during the quarter ending June 30.....	187,541 54
Amount expended during the quarter ending September 30.....	186,869 67

Balance against which no vouchers have been drawn..... \$261,934 47

LIABILITIES.

Consolidated Gas Company, lighting lamps, month of September.....	\$22,865 00
Equitable Gas-light Company, ".....	4,389 83
Standard Gas-light Company, ".....	2,992 67
New York Mutual Gas-light Company, lighting lamps, month of September.....	318 10
Central Gas-light Company, lighting lamps, month of September.....	4,966 97
Northern Gas-light Company, ".....	6,081 45
Yonkers Gas-light Company, ".....	1,297 81
New York and New Jersey Globe Gas-light Company, lighting lamps, month of September.....	254 44
Brush Electric Illuminating Company, lighting lamps, month of September.....	3,337 10
United States Illuminating Company, lighting lamps, month of September.....	3,463 60
East River Electric-light Company, lighting lamps, month of September.....	1,603 60
Mount Morris Electric-light Company, ".....	1,498 40
Harlem Lighting Company, ".....	2,123 60
North New York Lighting Company, ".....	2,200 50
M. J. Drummond, lamp-posts.....	2,416 46
E. P. Gleason Manufacturing Company, street-lamps.....	894 00
Bartlett Lamp Manufacturing Company, Boulevard lamps.....	2,926 25
Wellington Manufacturing Company, repairing street-lamps.....	610 00
Mary Unger, lettering 100 Boulevard globes.....	30 00
E. P. Gleason Manufacturing Company, repairing 100 Boulevard lamp-tops.....	80 00
Birdsall's Express, cartages, month of September.....	125 00
J. L. Mott Iron Works, 30 flange butts.....	296 10
E. P. Gleason Manufacturing Company, 50 lights ruby door glass.....	62 50
H. B. Newhall Company 1,000 bolts.....	13 00
Bartlett Lamp Manufacturing Company, 2,000 wedges.....	20 00
Bartlett Lamp Manufacturing Company, 200 lamp-irons.....	84 00
E. P. Gleason Manufacturing Company, 15 fire-alarm lamps.....	82 50
Matthews Decorative Glass Company, 1,000 glass street signs.....	187 50
J. L. Mott Iron Works, 15 short butts.....	85 00
John Fox, 150 crossheads.....	95 00
Edison Electric Illuminating Company, lighting dome of City Hall.....	200 00

Balance available September 30, 1891..... \$196,334 09

EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas and Electric Lighting—Salaries" for 1891, Showing the Amounts Expended during the Quarter ending September 30, 1891, 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 expended during the quarter ending March 31.....	\$1,624 95
Amount expended during the quarter ending June 30.....	1,624 95
Amount expended during the quarter ending September 30.....	1,624 95

Balance available September 30, 1891..... \$1,625 15

EXHIBIT "D."

Summary of the "Lamp Account," Showing the Number of New Lamps Lighted, Old Lamps Relighted and Lamps Discontinued by each Gas and Electric Light Company during the Quarter ending September 30, 1891.

CONSOLIDATED GAS COMPANY, BRANCH 1.			
Number of lamps lighted June 30, 1891.....	3,024		
Number of new lamps lighted during the quarter.....	2		
Number of old lamps relighted during the quarter.....	5	3,031	
Less lamps discontinued during the quarter.....		6	
Number of lamps lighted September 30, 1891.....			3,025
CONSOLIDATED GAS COMPANY, BRANCH 2.			
Number of lamps lighted June 30, 1891.....	1,618		
Number of new lamps lighted during the quarter.....	5		
Number of old lamps relighted during the quarter.....	7	1,630	
Less lamps discontinued during the quarter.....	5		
Less lamps discontinued on account of electric-lights.....	8	13	
Number of lamps lighted September 30, 1891.....			1,617
CONSOLIDATED GAS COMPANY, BRANCH 3.			
Number of lamps burning June 30, 1891.....	1,688		
Number of new lamps lighted during the quarter.....	4		
Number of old lamps relighted during the quarter.....	2	1,694	
Less lamps discontinued during the quarter.....		4	
Number of lamps lighted September 30, 1891.....			1,690
CONSOLIDATED GAS COMPANY, BRANCH 4.			
Number of lamps lighted June 30, 1891.....	3,216		
Number of new lamps lighted during the quarter.....	7		
Number of old lamps relighted during the quarter.....	13	3,236	
Less lamps discontinued during the quarter.....	14		
Less lamps transferred to Equitable Gas-light Company.....	1	15	
Number of lamps lighted September 30, 1891.....			3,221
CONSOLIDATED GAS COMPANY, BRANCH 6.			
Number of lamps lighted June 30, 1891.....	4,918		
Number of new lamps lighted during the quarter.....	95		
Number of old lamps relighted during the quarter.....	14	5,027	
Less lamps discontinued during the quarter.....		16	
Number of lamps lighted September 30, 1891.....			5,011
Total number of lamps lighted by Consolidated Gas Company, September 30, 1891.....			14,564
EQUITABLE GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1891.....	4,219		
Number of new lamps lighted during the quarter.....	1		
Number of old lamps relighted during the quarter.....	10		
Number of lamps transferred from Consolidated Gas Company.....	1	4,231	
Less lamps discontinued during the quarter.....	1		
Less lamps discontinued on account of electric-lights.....	10	11	
Number of lamps lighted September 30, 1891.....			4,220
STANDARD GAS-LIGHT COMPANY, MADISON SQUARE BRANCH.			
Number of lamps lighted June 30, 1891.....	1,082		
Number of new lamps lighted during the quarter.....	2		
Number of old lamps relighted during the quarter.....	4	1,088	
Less lamps discontinued during the quarter.....		5	
Number of lamps lighted September 30, 1891.....			1,083
STANDARD GAS-LIGHT COMPANY, HARLEM BRANCH.			
Number of lamps lighted June 30, 1891.....	1,500		
Number of new lamps lighted during the quarter.....	3		
Number of old lamps relighted during the quarter.....	0	1,503	
Less lamps discontinued during the quarter.....		0	
Number of lamps lighted September 30, 1891.....			1,503
NEW YORK MUTUAL GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1891.....	218		
Number of new lamps lighted during the quarter.....	4		
Number of old lamps relighted during the quarter.....	0	222	
Less lamps discontinued during the quarter.....		17	
Number of lamps lighted September 30, 1891.....			205
CENTRAL GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1891.....	2,255		
Number of new lamps lighted during the quarter.....	0		
Number of old lamps relighted during the quarter.....	14	2,269	
Less lamps discontinued during the quarter.....	21		
Less lamps discontinued on account of electric-lights.....	238		
Less lamps transferred to Northern Gas-light Company.....	1	260	
Number of lamps lighted September 30, 1891.....			2,009
NORTHERN GAS-LIGHT COMPANY.			
Number of lamps lighted June 30, 1891.....	2,339		
Number of new lamps lighted during the quarter.....	76		

Number of old lamps relighted during the quarter.....	0			Less lamps discontinued during the quarter.....	2	
Number of lamps transferred from Central Gas-light Co.....	1	2,416		Number of lamps lighted September 30, 1891.....		134
Less lamps discontinued during the quarter.....		0				
Number of lamps lighted September 30, 1891.....		2,416				
YONKERS GAS-LIGHT COMPANY.						
Number of lamps lighted June 30, 1891.....	557			Number of lamps lighted June 30, 1891.....	128	
Number of new lamps lighted during the quarter.....	0			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.....	128	
Less lamps discontinued during the quarter.....		557		Less lamps discontinued during the quarter.....	0	
Number of lamps lighted September 30, 1891.....		557		Number of lamps lighted September 30, 1891.....		128
HARLEM LIGHTING COMPANY.						
Total number of gas-lamps lighted September 30, 1891.....		26,557		Number of lamps lighted June 30, 1891.....	175	
NAPHTHA-LAMPS.						
NEW YORK AND NEW JERSEY GLOBE GAS-LIGHT COMPANY.						
Number of lamps lighted June 30, 1891.....	138			Number of new lamps lighted during the quarter.....	0	
Number of new lamps lighted during the quarter.....	0			Number of old lamps relighted during the quarter.....	175	
Number of old lamps relighted during the quarter.....	0			Less lamps discontinued during the quarter.....	0	
Less lamps discontinued during the quarter.....		138		Number of lamps lighted September 30, 1891.....		175
Total number of naphtha lamps lighted September 30, 1891.....		138				
ELECTRIC-LAMPS.						
UNITED STATES ILLUMINATING COMPANY.						
Number of lamps lighted June 30, 1891.....	289			Number of lamps lighted June 30, 1891.....	107	
Number of new lamps lighted during the quarter.....	0			Number of new lamps lighted during the quarter.....	58	
Number of old lamps relighted during the quarter.....	1			Number of old lamps relighted during the quarter.....	0	
Less lamps discontinued during the quarter.....		290		Less lamps discontinued during the quarter.....	0	
Number of lamps lighted September 30, 1891.....		290		Number of lamps lighted September 30, 1891.....		165
BRUSH ELECTRIC ILLUMINATING COMPANY.						
Number of lamps burning June 30, 1891.....	273			Total number of electric-lamps lighted September 30, 1891.....		1,165
Number of new lamps lighted during the quarter.....	0					
Number of old lamps relighted during the quarter.....	0					
Less lamps discontinued during the quarter.....		273				
Number of lamps lighted September 30, 1891.....		273				
EAST RIVER ELECTRIC-LIGHT COMPANY.						
Number of lamps lighted June 30, 1891.....	136					
Number of new lamps lighted during the quarter.....	0					
Number of old lamps relighted during the quarter.....	0					
		136				
RECAPITULATION.						
Number of gas-lamps lighted June 30, 1891.....				Number of gas-lamps lighted June 30, 1891.....	26,634	
Number of naphtha-lamps lighted June 30, 1891.....				Number of naphtha-lamps lighted June 30, 1891.....	138	
Number of electric-lamps lighted June 30, 1891.....				Number of electric-lamps lighted June 30, 1891.....	1,108	
Number of new gas-lamps lighted during the quarter.....					27,880	
Number of new naphtha-lamps lighted during the quarter.....				Number of new gas-lamps lighted during the quarter.....	199	
Number of new electric-lamps lighted during the quarter.....				Number of new naphtha-lamps lighted during the quarter.....	0	
Number of old gas-lamps relighted during the quarter.....				Number of new electric-lamps lighted during the quarter.....	58	
Number of old naphtha-lamps relighted during the quarter.....				Number of old gas-lamps relighted during the quarter.....	69	
Number of old electric-lamps relighted during the quarter.....				Number of old naphtha-lamps relighted during the quarter.....	0	
Less gas-lamps discontinued during the quarter.....				Number of old electric-lamps relighted during the quarter.....	1	
Less gas-lamps discontinued on account of electric-lights.....					70	
Less naphtha-lamps discontinued during the quarter.....					89	
Less electric-lamps discontinued during the quarter.....					256	
					0	
					2	
					347	
Total number of lamps lighted September 30, 1891.....				Total number of lamps lighted September 30, 1891.....		27,860

EXHIBIT "E."

Statement Giving the Illuminating Power in Candles of the Gas Supplied to the City by the Several Gas-light Companies during the Quarter ending September 30, 1891, as Shown by the Daily Observations at the Photometrical Stations 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.			CONSOLIDATED GAS CO., BRANCH 6.			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.			ILLUMINATING POWER IN CANDLES.		
Week ending—	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
July 4, 1891.....	20.70	24.34	22.81	20.39	23.60	22.41	26.42	28.46	27.36	22.82	25.74	24.44	28.42	30.56	29.29	27.82	31.02	29.39	27.66	28.80	28.23			
" 11, ".....	21.66	25.65	23.54	20.37	22.52	21.11	25.60	28.33	26.40	22.89	24.78	23.57	27.60	31.44	29.06	27.84	28.99	28.48	27.40	29.84	28.53			
" 18, ".....	20.94	23.20	22.70	20.08	22.68	21.40	24.88	27.56	26.19	22.77	24.56	23.52	28.97	30.44	29.64	27.10	29.74	28.72	28.46	29.30	28.88			
" 25, ".....	22.37	24.18	23.33	21.09	22.26	21.45	24.32	26.22	25.09	22.58	23.74	23.00	27.34	28.48	27.88	27.48	30.68	30.00	28.46	30.16	29.21			
Aug. 1, ".....	22.59	25.46	24.06	19.98	21.83	20.61	23.22	27.36	25.44	21.96	23.38	23.05	27.20	28.79	28.01	30.56	31.28	31.20	28.08	29.65	29.00			
" 8, ".....	22.68	25.62	24.46	19.42	23.68	21.79	25.96	30.42	27.85	22.63	24.12	23.39	28.42	28.98	28.72	29.52	30.92	30.35	28.76	29.65	29.27			
" 15, ".....	23.08	25.34	24.18	20.16	22.85	21.52	28.24	30.06	28.82	20.70	23.46	22.34	28.58	29.15	28.82	29.50	30.73	30.18	28.10	29.86	29.10			
" 22, ".....	23.02	25.78	24.29	19.28	21.95	21.04	26.10	28.46	27.56	21.06	22.34	21.79	28.24	29.06	28.63	27.58	31.14	29.13	27.48	30.56	29.04			
" 29, ".....	21.04	22.82	22.13	20.22	21.26	20.77	28.64	29.57	29.04	21.86	23.52	22.79	28.36	29.37	28.90	24.52	30.86	29.21	28.18	29.66	28.94			
Sept. 5, ".....	21.08	21.82	21.43	19.30	23.17	21.19	26.62	27.88	27.31	21.22	24.13	22.96	26.78	27.44	27.15	29.66	31.10	30.26	29.54	30.16	29.77			
" 12, ".....	19.77	23.00	21.32	19.63	20.86	20.21	27.82	29.02	28.39	21.46	22.44	22.09	26.40	28.37	27.41	29.74	30.52	30.05	28.64	29.88	29.29			
" 19, ".....	21.87	25.16	23.88	19.96	22.70	21.24	26.80	29.12	28.02	23.10	24.44	23.64	26.96	29.54	28.38	26.18	29.86	28.57	28.24	29.68	29.24			
" 26, ".....	19.90	27.28	23.41	20.26	22.31	21.19	27.32	29.66	28.63	24.20	25.23	24.56	27.40	30.18	28.92	29.04	30.80	30.08	29.02	30.23	29.56			
For the Quarter.....	20.70	25.78	23.19	19.28	23.68	21.22	23.22	30.42	27.39	20.70	25.74	23.16	26.40	31.41	28.52	24.52	31.28	29.66	27.40	30.56	29.08			
Distance from gas-works.....	1.86 Miles.....			1.68 Miles.....			3.84 Miles.....			3.88 Miles.....			1.50 Miles.....			1.61 Miles.....			2.79 Miles.....					
Testing burner.....	Bray's Slit Union No. 7....			Bray's Slit Union No. 7....			Bray's Slit Union No. 7....			Bray's Slit Union No. 6....			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, October 5, 1891.

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

SIR—I have the honor to submit to you the following report of the transactions of this Bureau for the quarter ending September 30, 1891.

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

NEW CRIMINAL COURTS.

The above building, the contract for the masonry construction of which was awarded to Messrs. Dawson & Archer (they being the lowest bidders), has been delayed in consequence of the inability of the contractors to deliver the cut granite as rapidly as was expected, and required.

At this time the granite work on the Elm street front is finished, excepting some small caps, architraves and cornices, and this work being in the portico, will not hinder the construction of the main wall on this front. The granite on the White street front is completed for a length of about 70 feet east of Elm street, and almost finished to the line of Centre street, all the stone for this line, except 1 lintel and 1 spandrel being on the ground ready to set. On the Franklin street front the granite is finished for a length of about 60 feet west of Elm street, and the centre and remainder of the Franklin street fronts are within from about 10, 12 and 15 feet of completion.

In connection with this description of the condition of the granite construction, I have been assured by one of the mason contractors that all the granite for the main walls of the building is cut and ready for delivery at the building. All the walls in the marble arcade are finished to the height of the second story, and the plinths and bases for the second story of the arcade are now being set in place. Large quantities of the cut marble for this part of the work are on the ground, and derricks and steam-boiling apparatus, together with a goodly force of workmen, are at hand to push this work with vigor.

The brick and brown-stone front walls on the line of Elm street and for the length of about 60 feet on the White and Franklin street fronts, adjoining Elm street, are built up to the brown-stone level of the third story, and the brown-stone keystone lintels, architraves and band stones belonging to this portion of the work are in place.

Large quantities of the cut brown stone are on the ground ready to be set in place. All the interior walls of the building, excepting portions of them adjoining the Centre street fronts, are up to the level of the fourth tier of beams.

The iron work is progressing favorably.

A number of the fourth-story beams are in place and the columns and girders have been put in position. A large force of men have been and are now employed on the work, and I am informed that all the iron is ready for delivery.

The apparatus for heating, ventilating and lighting the building is well advanced.

4 steel tubular boilers are in place and fitted up completely.

4 engines are in position.

2 air-fans, 7 feet 6 inches in diameter each.

4 elevator pumps.

2 boiler feed pumps.

2 pumps for drip tanks.

2 blow-off tanks.

2 elevator discharge tanks.

2 hot-water tanks.

This work is in place in the cellar of the building and is about complete with fittings, valves, connections, washers and supports.

90 feet of the boiler smoke-stack is in place, and 1,404 radiators in stacks are in position.

250 feet 24-inch vitrified pipe, together with portions of 4-inch, 5-inch and 6-inch sewer and drain-pipe.

The number of men at work on the building at this date, embracing all the various trades, is 98. This number does not include those employed in the quarries, stone yards, carpenter shops, foundries, etc.

The masonry contract of the New Criminal Court-house provides for the completion of that portion of the building as follows:

Time stipulated by contract.....	500 days.
Time elapsed since date of contract.....	467 days.
Holidays and days unfit for work.....	105 "

Actual working days.....	362 "
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Time still remaining for completion of contract.....	138 days.
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THE HARLEM COURT-HOUSE.

The cut-stone front of the building on One Hundred and Twenty-first street and Sylvan place, including stoop, facade of arched entrance and stairway tower is finished to the second-story-sill level, and the window frames belonging to these fronts are in place.

All the interior walls, excepting the rear and interior wall of the court-rooms are up to the level of the fourth-story beams, and the court-room and interior rear walls to the level of the third-story beams.

The outside walls inclosing the prison cells are up to their full height.

The brick, iron and stone work of 10 cells is finished, and 8 of the large blue-stone platforms, which make the floors and balconies for the top tier of cells, are in place.

The beams for the first floor of the court-rooms and the third stories of the building, including their supports of columns and girders, are also in position.

The contract for the construction of the Harlem Court-house stipulates that the work shall be completed within 400 working days.

The order for the work to proceed was dated March 16, 1891.

Time stipulated by contract.....	400 days.
Whole number of days to date since date of contract.....	198 days.
Less holidays and days unfit for work.....	47 "

Actual working days.....	151 "
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Number of days remaining to complete contract.....	249 days.
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THE NEW COURT-HOUSE.

Supreme Court Chambers—The walls have been painted, ceiling and cornices tinted and new linoleum laid. In the Clerks' office and the rooms occupied by the Judges in the basement story, the walls and ceilings have been painted and calcimined, hardwood rubbed and varnished and a new yellow-pine floor laid in the kitchen.

Superior Court—New linoleum has been laid in the Special Term room, and the carpet on the Bench repaired and relaid. New window shades have been put in in Special Term room and Part II.

Court of Common Pleas—2 new jury wheels and some office chairs have been furnished.

Surrogate's Court—A room at the right of the entrance to the Surrogate's office has been fitted up with about 700 feet of shelving, a partition put up and the room painted and calcimined. 3 new water-closets with latest sanitary improvements have been put up in the toilet room and cased up with slatted doors, the marble tiling repaired, the ceiling calcimined, walls painted, and woodwork and trim grained and varnished.

County Clerk's Office—In the basement a room has been fitted up for documents, a new floor laid and shelving put up and the tiling in the corridor repaired.

Sheriff's Office—A new roll-top desk has been furnished. The Janitor's kitchen has been painted and calcimined. The roofs and gutters have been repaired, and the entire roof and skylights painted with metallic paint. Repairs have also been made to the asphalt walk adjoining the boiler vault.

The contract, which was made June 22, 1891, for the painting of the halls and corridors, the Special Term room and jury room of the Superior Court, the naturalization office and document room of the Court of Common Pleas and toilet rooms has been completed satisfactorily and in accordance with the terms of the specification.

The 2 new engines, which were put in to operate the ventilating fans, having failed to meet the requirements of the contract and specifications, were taken out by the contractors and 2 larger engines put in to replace them.

The contract for removing the old boilers, making alterations to the boiler vault and furnishing and setting 4 boilers to replace those taken out, has just been completed in accordance with the specifications. The new boilers are each 5 feet in diameter, 16 feet long and contain 80 3-inch tubes. The steam domes are 30 inches in diameter and 24 inches high. The shell and dome plates are of the best sheet steel, $\frac{7}{8}$ -inch thick, with a tensile strength of not less than 50,000 pounds per square inch. The heads are $\frac{5}{8}$ -inch thick. The boilers have been tested by the Bureau of Inspection of Steam Boilers, and a certificate of the test, showing a hydrostatic pressure of 150 pounds, has been filed in this Bureau. All the fixtures and connections are of the most approved patterns, and it is confidently expected that they will be able to meet all the requirements of the building.

CITY HALL.

Governor's Room—New gilt tablets, with name of picture and artist, have been placed on all the pictures belonging to the City that have been lately restored and refinished.

City Court—Some law books have been furnished.

Repairs have been made to the roof of the west wing and the gutters and flashings pointed up and painted.

BROWN-STONE BUILDING.

The southwest basement room has been fitted up for use of the Tax Commissioners. The flooring and the old closets repaired, new closets and book-racks put up. New locks placed on all the doors. The walls repaired and painted, ceiling calcimined, wood work and trim painted in parti-color. Wire guards placed on the windows and the cases and closets lettered in black letter. The hot-air furnaces have been cleaned and repaired, some new pipe and castings furnished, 3 new chimney tops put on and the furnaces put in complete order.

Some repairs have been made to the passenger elevator, a spring has been placed on the governor, the car adjusted and ratchets tightened.

HALL OF RECORDS.

In the toilet room 3 new Mott's "Inodors" closets and 1 "Stevens" urinal were put up and a new supply tank of a capacity of 400 gallons put in. The pump has been repaired, a new wash-basin and slab set and the plumbing thoroughly overhauled.

The closets have been cased up and inclosed with panel doors. The marble tiling repaired, new register-box and pipe put in, plastering repaired, walls painted, ceiling calcimined and wood work grained and varnished.

The hot-air furnaces have been repaired, new castings and pipe furnished, where needed, and the furnaces put in order for the winter.

NO. 31 CHAMBERS STREET.

In the Commissioner's room and ante-room the ceilings have been frescoed, walls hung with Japanese paper, cornices tinted a Frieze dado, and picture rail put up and the wood work and trim painted in china gloss. The iron front of the first-story has been painted. The ceiling of vestibule calcimined, walls painted. Hardwood doors cleaned, rubbed and varnished and the sign relettered in gold and smalts.

In Rooms Nos. 12, 13, 14, 17 and 19 the walls and ceilings have been washed off, plastering repaired, ceilings calcimined, walls, wood work and trim painted, hardwood work cleaned and varnished and radiators rebronzed. A new hand rope has been put in the elevator.

The furnaces under the boilers have been relined with fire-brick, new check-blocks and arch brick put in on the sides and tops of fire-doors, and new grate and bearing bars furnished.

THE COURTS—POLICE AND CIVIL.

First District Civil Court—The entrance doors have been cleaned off, refinished and painted.

Second District Civil Court—The window-awnings over the Judge's room have been repaired and covered with new canvass and furnished with new cords, pulleys and fastenings.

First District Police Court and Court of Special Sessions, "Tombs"—The roofs have been repaired, gutters relined, chimneys jointed with cement, the new work painted two coats and the entire roof one coat of metallic paint.

Third District Court-house—The tiling in the corridor at entrance to Second Police Court has been repaired.

Sixth District Civil Court—A black walnut case of shelving and pigeon-holes, 9 feet long and 10 feet wide, has been put up in the Clerk's office, and the new desk and closets painted, grained and varnished.

A new carpet has been laid in the Judge's room and a rubber mat placed at entrance to Court.

THE MARKETS.

Washington Market—Repairs have been made to the flooring in front of stands Nos. 344, 84, 205, 207, 208, 265, 268, 334, 335, 290, 265 and 251, and to the centre door on Washington street, a door on Fulton street and a door on West street.

Fulton Market—Repairs to the flooring have been made in front of stands Nos. 123, 163 and 169, the gangway on Beekman street and in front of Postal Telegraph Office.

Clinton Market—A specification was prepared and a contract made for the repairs to this market, which provided that the shed over the sidewalk on Spring street and the ice-boxes on Washington street projecting beyond the line of the building should be taken down and removed, the stone column set plumb, the spaces between the columns inclosed with panel work and pivoted sash. A galvanized iron cornice put up on the Spring and Washington street fronts and the fronts painted, the plastering repaired, ceilings calcimined and the interior painted. The roof skylights and gutters repaired and about 4,000 square feet of new flooring laid. This work has progressed satisfactorily and is now nearly completed.

West Washington Market—Specifications for the repairs to the building, damaged by fire, on the corner of Thirteenth avenue and Gansevoort street, in West Washington Market, were prepared, and a contract for the work entered into. The specifications provide for iron fire-proof ceilings and partitions, extending to the peak of the roof, with a view to lessen the danger of fire, to which these buildings are exposed. The work will be commenced immediately and be pushed forward as rapidly as possible.

THE ARMORIES.

Seventh Regiment Armory—In the Superintendent's room the plastering has been repaired, ceiling calcimined, walls painted and hard wood cleaned and varnished. Repairs have been made to the concrete flooring in the basement, and 2 new steel plates 8 feet 7 $\frac{1}{4}$ inches long and 4 feet wide, curved at the end, have been put in Targets Nos. 1 and 3 in the Rifle Range.

Twelfth Regiment Armory—Iron doors and frames have been put up in the entrance to the magazine and the entrance to area.

Sixty-ninth Regiment Armory—In Company "E's" room the walls have been repaired, ceiling calcimined, walls and trim painted, hard wood cleaned and varnished and radiators bronzed. New three-tumbler brass locks, with non-interchangeable keys and master keys have been put on the Company lockers, and new stop-heads, plates and escutcheons put on where needed.

Two sets of grate bars have been furnished and set in the boiler furnaces.

Seventy-first Regiment Armory—The stoves were taken from the old armory (destroyed by fire), cleaned and stored away.

DEPARTMENT OF TAXES AND ASSESSMENTS.

In the rooms of Real Estate Records and Bureau of Personal Taxes, the plastering has been repaired, ceilings calcimined, cornices tinted, walls and trim painted, grained work touched up and varnished, hardwood cleaned and varnished and radiators bronzed. A black-walnut case for stationery, 4 feet 2 inches wide and 8 feet high, has been put up in the Secretary's office, and desk and foot rugs furnished for use of the Commissioners.

CORPORATION COUNSEL'S OFFICE.

Linoleum has been laid in the entrance room, a strip of brussels carpet put down in the private entrance, cocoa matting laid in Mr. Sterling's room and some cocoa door mats furnished.

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

New carpet has been laid in the Secretary's office, window shades put up on the front store windows, iron shutters have been placed on the windows at the rear of the vault. The floor at vault entrance lowered to grade of the vault, and the wainscoting and trim on the second, third, fourth and fifth floors, stained and varnished.

In addition to the foregoing, orders have been given for the taking down and storing the window awnings, and for the cleaning, repairing and putting up of the stoves in the several courts, offices and armories, in care of this Department. This work is nearly completed.

FREE FLOATING BATHS.

The 15 free floating baths have been opened to the public (the first bath having been opened for the reception of bathers June 5, 1891), and the others speedily following as soon as they could be berthed and the approaches to them made secure.

Much care has been taken and some difficulty has been found in obtaining berths for these baths among the busy slips along the water-front in which the water was free from the contamination of sewage, and I have the honor to report that in only two instances it was found that a bath was berthed where the water was affected by the outflow of sewage. These locations were at East Eighty-sixth street, fronting the East River Park and the other at a magnificent new pier at the foot of West Fifth street, North river.

By your order the East Eighty-sixth street bath was closed until a new berth was secured at a desirable place at the foot of East Ninetieth street and the bath was promptly removed and reopened to the public. The West Fifth street bath was also removed to a more desirable position and reopened.

In compliance with your order paste-board cards printed with large type have been placed in conspicuous places on all the baths. These cards request persons to report in writing, signed with their name and address, any misconduct on the part of the Bath Attendants or any attempt to exact money for baths, or for any other service whatever, in order that such delinquencies may be punished according to law.

The following will show the dates on which the baths were opened, their locations and the number of bathers up to date, together with a comparison of the number of bathers during the seasons of 1890 and 1891:

1890.					
Males.....					2,344,609
Females.....					1,069,005
Total.....					3,413,614
1891.					
Males.....					2,350,362
Females.....					1,081,967
Total.....					3,432,329
Increase over last year.....					18,715

BATHS.	LOCATION.	MONTHS.	MALES.	FEMALES.	TOTAL.
No. 1	Fifth street—Opened June 5, 1891.....	June.....	32,800	22,550	
		July.....	60,700	36,360	
		August.....	79,000	34,200	
		September.....	61,800	28,850	
			234,300	121,960	356,260

BATHS.	LOCATION.	MONTHS.	MALES.	FEMALES.	TOTAL.	BATHS.	LOCATION.	MONTHS.	MALES.	FEMALES.	TOTAL.
No. 2	Battery—Opened June 5, 1891.....	June.....	50,300	25,000	380,500	No. 14	One Hundred and Thirty-fourth street— Opened June 20, 1891.....	June.....	4,200	1,700	66,000
		July.....	60,000	30,000				July.....	15,550	6,350	
		August.....	95,000	55,000				August.....	15,000	9,500	
		September.....	45,000	20,000				September.....	10,250	3,500	
			250,300	130,200					44,950	21,050	
No. 3	One Hundred and Twelfth street—Opened June 24, 1891.....	June.....	6,400	2,600	110,000	No. 15	Market street—Opened June 8, 1891.....	June.....	42,600	31,300	485,400
		July.....	49,900	19,250				July.....	95,000	43,500	
		August.....	13,600	5,100				August.....	108,000	59,000	
		September.....	10,250	3,900				September.....	72,000	34,000	
			80,150	30,800					317,600	167,800	
							Total.....		2,350,362	1,081,967	3,432,329
No. 4	Thirty-seventh street—Opened June 23, 1891.....	June.....	18,550	8,500	246,540						
		July.....	54,300	17,900							
		August.....	87,880	16,410							
		September.....	35,400	7,600							
			196,130	50,410							
No. 5	Grand street—Opened June 24, 1891.....	June.....	19,800	4,500	273,900						
		July.....	77,300	27,650							
		August.....	82,000	38,900							
		September.....	19,550	4,200							
			198,650	75,250							
No. 6	Horatio street—Opened June 8, 1891.....	June.....	21,400	13,000	251,600						
		July.....	74,000	32,000							
		August.....	63,000	28,000							
		September.....	13,200	7,000							
			171,600	80,000							
No. 7	One Hundred and Thirty-eighth street— Opened June 22, 1891.....	June.....	4,000	2,000	80,550						
		July.....	11,750	9,800							
		August.....	19,000	13,000							
		September.....	12,000	9,000							
			46,750	33,800							
No. 8	Nineteenth street—Opened June 9, 1891.....	June.....	25,500	20,000	143,550						
		July.....	24,300	9,550							
		August.....	28,000	12,000							
		September.....	18,000	6,200							
			95,800	47,750							
No. 9	Duane street—Opened June 22, 1891.....	June.....	12,800	8,200	252,673						
		July.....	70,000	30,900							
		August.....	60,000	28,000							
		September.....	31,500	12,173							
			174,300	78,373							
No. 10	Fiftieth street—Opened June 8, 1891.....	June.....	23,300	900	202,306						
		July.....	17,664	9,711							
		August.....	97,458	27,973							
		September.....	11,500	5,500							
			149,922	52,384							
No. 11	Seventy-sixth street—Opened June 20, 1891.. Eighty-sixth street—Opened July 1, 1891.. Ninetieth street—Opened August 27, 1890...	June.....	1,200	.....	255,700						
		July.....	95,000	45,000							
		August.....	45,300	21,000							
		September.....	32,000	15,600							
			173,500	81,600							
No. 12	Fifty-first street—Opened June 8, 1891.....	June.....	10,000	5,800	205,200						
		July.....	95,000	45,000							
		August.....	18,600	12,500							
		September.....	11,800	6,500							
			135,400	69,800							
No. 13	Twenty-eighth street—Opened June 12, 1891.....	June.....	8,200	3,400	121,750						
		July.....	26,300	12,500							
		August.....	32,500	18,450							
		September.....	14,000	6,400							
			81,000	40,750							

Very respectfully,

W. G. BERGEN, Superintendent Repairs and Supplies.

Document "L,"

REPORT OF THE SUPERINTENDENT OF INCUMBRANCES.

DEPARTMENT OF PUBLIC WORKS—BUREAU OF INCUMBRANCES,
No. 31 CHAMBERS STREET,
NEW YORK, October 7, 1891.

Hon. THOMAS F. GILROY, 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 September 30, 1891 (months of July, August and September).

1,175 complaints of obstructions received and attended to.

828 seizures and removals of obstructions made.

2,080 building permits issued.

255 miscellaneous permits issued.

8 permits issued to cut down shade trees.

5 notices issued to repair defective vault covers.

Expense of seizing and removing 1,175 articles, including 54 loads of dirt, stone, refuse, etc., and throwing in dirt, etc., on premises at various places; removing 210 dead and dangerous trees, stumps, posts, etc., also 310 telegraph poles, and about 350 miles of electric wire. \$9,982 55

Total expenses for the quarter \$12,007 55

Received from owners for the redemption of seized articles. \$430 25
Received from public sale of unredeemed articles, August 10, 1891. 302 27
Received from public sale of frame building, September 1, 1891. 20 70

Total \$753 22

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

Salary account—Appropriation. \$7,800 00
Expended up to September 30, 1891 5,775 00

Balance \$2,025 00

Appropriation for the removal of obstructions in streets and avenues \$35,000 00
By transfer from 1889 Appropriation 375 00
By additional transfers. 11,238 99Total \$46,613 99
Expended up to September 30, 1891 33,556 80

Balance \$13,057 19

Respectfully,

MICHAEL F. CUMMINGS, Superintendent of Incumbrances.

Document "M."

REPORT OF THE WATER REGISTER.

BUREAU OF WATER REGISTER, No. 31 CHAMBERS STREET,
NEW YORK, September 30, 1891.

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

SIR—I herewith transmit statement of moneys received for water rents, penalties and taps, for the quarter ending September 30, 1891:

	Principal.	Penalties.	Taps.
July.....	\$690,327 63	\$393 30	\$1,289 50
August.....	474,083 52	1,197 00	958 00
September.....	259,751 35	1,249 65	995 00
Total.....	\$1,424,162 50	\$2,839 95	\$3,242 50

Total \$1,430,244 95

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

July..... \$568 32
August..... 630 58
September..... 294 90

Total \$1,493 80

"Special Fund—Repairing Streets"—

July..... \$1,160 00
August..... 654 00
September..... 1,165 50

Total \$2,979 50

Respectfully submitted,

JOSEPH RILEY, Water Register.

FINANCE DEPARTMENT.

Abstract of transactions of the Finance Department for the week ending January 9, 1892:

Deposited in the Treasury.	
To the Credit of the Sinking Fund.....	\$105,115 61
City Treasury.....	450,404 50
Total.....	\$555,520 11
Bonds and Stock Issued.	
Two per cent. Bonds.....	\$7,600 00
Three per cent. Bonds.....	100,000 00
Three per cent. Stock.....	29,100 00
Total.....	\$136,700 00
Warrants Registered for Payment.	
The Common Council—	
Contingencies—Clerk of the Common Council.....	\$36 78
The Finance Department—	
Cleaning Markets.....	\$621 50
Contingencies—Comptroller's Office.....	131 97
Salaries—Finance Department.....	15 00
Interest on the City Debt.....	768 47
Aqueduct Commissioners—	
Additional Water Fund.....	525 00
The Law Department—	
Contingencies—Law Department.....	11,754 74
The Department of Public Works—	
Aqueduct—Repairs, Maintenance and Strengthening.....	322 49
Boulevards, Roads and Avenues, Maintenance of.....	\$3,712 62
Bronx River Works—Maintenance and Repairs.....	107 50
Contingencies—Department of Public Works.....	1,005 00
Criminal Court-house Fund.....	134 56
Croton Water Fund.....	108 00
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	922 24
For New Fire-hydrants.....	17 50
Free Floating Baths.....	2,660 92
Fund for Viaduct from St. Nicholas Place to McComb's Dam Bridge.....	21 00
Lamps and Gas and Electric Lighting.....	111 25
Laying Croton Pipes.....	7,208 77
Public Buildings—Construction and Repairs.....	769 75
Removing Obstructions in Streets and Avenues.....	1,407 58
Repairing and Renewal of Pipes, Stop-cocks, etc.....	1,968 70
Repairs and Renewal of Pavements and Regrading.....	1,729 62
Repaving—Chapter 346, Laws of 1889.....	5,495 69
Restoring and Repaving—Special Fund—Department of Public Works.....	5,094 52
Retaining-walls in East Fifty-first Street and East Forty-second Street.....	1,298 54
Roads, Streets and Avenues Unpaved, Maintenance of and Sprinkling.....	20 00
Salaries—Department of Public Works.....	962 24
Sewers—Repairing and Cleaning.....	1,393 50
Street Improvement Fund, June 15, 1886.....	3,901 79
Street Improvements—For Surveying, Monumenting and Numbering Streets.....	53,413 82
Supplies for and Cleaning Public Offices.....	45 00
Water-meter Fund, No. 2.....	1,632 49
	222 28
The Department of Public Parks—	95,364 88
Care and Maintenance of New Parks north of Harlem River.....	\$348 92
Entrance to Central Park at West One Hundred and Sixth Street.....	42 47
Fourth Avenue Public Parks.....	2,548 01
Harlem River Bridges—Repairs, Improvements and Maintenance.....	1,250 56
Improving the Plaza at One Hundred and Tenth Street and Fifth Avenue.....	6,945 66
Maintenance and Construction of New Parks north of Harlem River.....	103 32
Maintenance and Government of Parks and Places.....	8,989 19
Metropolitan Museum of Art, Completion of.....	205 85
Morningside Park, Construction of.....	15,058 21
Morningside Park, Improvement and Maintenance of.....	13 30
Riverside Park and Avenue, For the Improvement and Maintenance of.....	1,297 86
Riverside Park, Construction of.....	6,156 71
The Department of Street Improvements—Twenty-third and Twenty-fourth Wards—	42,960 06
Bronx River Bridges.....	\$4 12
Cromwell's Creek Bridges.....	6 25
Final Maps and Profiles—Twenty-third and Twenty-fourth Wards.....	499 02
Maintenance—Twenty-third and Twenty-fourth Wards.....	8,927 69
Restoring and Repaving—Special Fund—Twenty-third and Twenty-fourth Wards.....	10 76
Sewers and Drains—Twenty-third and Twenty-fourth Wards.....	127 50
Street Improvement Fund—June 15, 1886.....	11,608 60
Surveying, Laying-out, Maps, Plans, etc.—Twenty-third and Twenty-fourth Wards.....	3,708 50
The Department of Public Charities and Correction—	24,892 44
Public Charities and Correction.....	45,689 20
The Health Department—	
Health Fund—For Contingent Expenses.....	\$105 06
Health Fund—For Disinfection.....	56 01
Health Fund—For Law Expenses, including Marshal's Fees.....	166 66
Hospital Fund—Hospital Supplies, Improvements, Care and Maintenance of Buildings and Hospitals on North Brother Island.....	847 53
For Removal of Night-soil, Offal and Dead Animals.....	3,000 00
The Police Department—	4,175 26
For Construction of Station-house, etc., for New Precinct to be made from portions of Twenty-seventh and Twenty-ninth Precincts.....	500 00
The Department of Street Cleaning—	
Cleaning Streets—Department of Street Cleaning.....	25,154 23
The Fire Department—	
Fire Department Fund.....	\$17,397 77
New York Fire Department Relief Fund.....	29,873 00
The Department of Docks—	47,270 77
Dock Fund.....	30,146 37
The Board of Education—	
College of the City of New York.....	\$215 00
Public Instruction.....	29,527 18
School-house Fund.....	40,181 42
The Normal College.....	238 96

70,162 56

The Board of Excise—	
Commissioners of Excise Fund.....	\$16 00
Printing, Stationery and Blank Books—	
Printing, Stationery and Blank Books.....	1,068 69
The Commissioners of Accounts—	
Salaries—Commissioners of Accounts.....	85 85
The Sheriff—	
Salaries—Sheriff's Office.....	333 60
The Judiciary—	
Salaries—Judiciary.....	3,824 84
Charitable Institutions—	
Hebrew Sheltering Guardian Society.....	\$5,269 52
New York Juvenile Asylum.....	18,041 65
The Children's Fold of the City of New York.....	3,809 14
Miscellaneous Purposes—	27,120 31
Advertising.....	\$804 50
Armories and Drill-rooms—For Wages of Armors, Janitors, Engineers, and Laborers.....	1,782 00
Armories and Drill-rooms—Rents.....	1,825 00
Award to Francis Blessing for damages, etc.....	11,000 00
Claim of Thomas C. E. Ecclesine, for services as Special District Attorney.....	2,000 00
Dog License Fund.....	56 00
For Allowance to the Aguilar Free Library Society, for Library Purposes.....	416 68
For Allowance to the General Society of Mechanics and Tradesmen, for Apprentices' Library.....	625 00
For Allowance to the New York Free Circulating Library, for Library Purposes.....	1,250 00
For allowance to Catharine Lydig Brady, for salary of Hon. John R. Brady, etc.....	9,088 72
For Construction of Bridge over Harlem River.....	97 14
Fund for Street and Park Openings.....	6,410 27
Judgments.....	2,872 67
Jurors' Fees, including Expenses of Jurors in Civil and Criminal Trials.....	10,716 00
Local Improvement Fund—Contracts prior to January 1, 1885.....	17 46
Public Building, Twelfth Ward, Construction of.....	27 00
Rapid Transit Fund.....	214 80
Refunding Assessments Paid in Error.....	14 35
Rents.....	5,166 74
Salaries—Board of Revision and Correction of Assessments (Salary of the Recorder).....	83 37
Salaries—Commissioners of the Sinking Fund (Salary of the Recorder).....	83 37
Seventh Regiment New Armory Fund, Trustees of.....	15,000 00
Unclaimed Salaries and Wages.....	59 00
Total.....	69,610 07
	\$501,782 61

SUITS, ORDERS OF COURT, JUDGMENTS, ETC.

COURT.	NAME OF PLAINTIFF.	AMOUNT.	NATURE OF ACTION.	ATTORNEY.
Supreme..	Arthur A. McLean, assignee.....	\$7,720 00	Summons and complaint. For amount claimed to be due under contract of William J. Kelly, for regulating, etc., first new avenue west of Eighth avenue, from One Hundred and Forty-fifth to One Hundred and Fifty-fifth street.....	Charles N. Harris.
" ..	Thomas Farrell.....	160 00	Summons and complaint. For salary as Detailed Laborer in the Department of Public Works, from May 16 to July 30, 1889.....	Jeroloman & A. Farley & L.
Superior..	Patrick Canavan.....	225 00	Transcript of judgment.....	
Supreme..	In the matter of opening East One Hundred and Seventy-first street, from Webster to Brook avenue.....	188 04	Certified copies orders confirming report and taxing bill of costs of Commissioners.....	Wm. H. Clark, Corporation Counsel.
" ..	George L. Green.....	83 33	Summons and complaint. For salary as Attendant in the Court of Common Pleas for November, 1891.....	Straley, H. & S.
" ..	In the matter of opening Forest avenue, from Homestead to East One Hundred and Sixty-eighth street.....	314 44	Certified copies orders confirming report and taxing bill of costs of Commissioners.....	Wm. H. Clark, Corporation Counsel.
City.....	Dixon Van Bussom.....	40 00	Summons and complaint. For salary as Inspector of Masonry on the New Aqueduct, from November 26 to December 5, 1888.....	J. B. Hand.
Supreme..	In the matter of New Aqueduct—Sodom Dam, etc.....	.....	Certified copy order confirming Third Separate Report of Commissioners of Appraisal.....	Wm. H. Clark, Corporation Counsel.
Superior..	Andrew Peddie.....	944 78	Transcript of judgment.....	Hatch & W.
" ..	William Dix.....	420 00	" ..	W. T. Cox.
Supreme..	In the matter of opening Wolf street, from Union street to Harlem river ..	.....	Notice of motion to confirm report of Commissioners in said matter.....	Wm. H. Clark, Corporation Counsel.
" ..	August Witt.....	5,500 00	Certified copy order directing payment into court of award made to H. Witt for Damage Nos. 49 and 54, in matter of opening Melrose avenue, etc.....	E. Hall.
" ..	Andrew Govan.....	91 84	Summons and complaint. For salary as an Excise Inspector from June 30 to July 28, 1887.....	J. F. Higgins.
" ..	Philip Ebling and another.....	10,326 80	Summons and complaint. For return of amount paid for an assessment for regulating, etc., First avenue, between Ninety-second and One Hundred and Ninth streets.....	James A. Deering.
Superior ..	Patrick H. Lydon.....	1,345 12	Summons and complaint. For salary as Inspector of Masonry on the New Aqueduct.....	Farley & L.
Com. Pleas	Dixon Van Bussom.....	40 00	Summons and complaint. For salary as Inspector of Masonry on the New Aqueduct, from November 26 to December 5, 1888.....	J. B. Hand.
Superior..	Samuel Seaman.....	2,355 53	Summons and complaint. For salary as Engineer at High Bridge, in the Department of Public Works, from July 15, 1889, to November 23, 1891.....	B. C. Chetwood.
Supreme..	Barbara Müller.....	550 00	Order directing payment into court of award made to "unknown owners" for Damage No. 11, in matter of opening German place, etc.....	G. W. Wallace.
Superior..	John Townshend.....	.....	Notice of motion and affidavit for mandamus, for payment of taxes of the years 1884 and 1887, on Lot No. 56, Block 843, in the Twelfth Ward.....	J. Townshend.

CONTRACTS REGISTERED FOR THE WEEK ENDING JANUARY 9, 1892.

No.	DATE OF CONTRACT.	DEPARTMENT.	NAMES OF CONTRACTORS.	NAMES OF SURETIES.	AMOUNT OF BOND.	DESCRIPTION OF WORK.	COST.
11700	Dec. 19, 1891	Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards.....	John A. Devlin.....	Frank J. Stey..... George W. Raymond.....	\$1,500 00	Sewer and appurtenances on both sides of the Southern Boulevard, from One Hundred and Thirty-seventh to One Hundred and Thirty-eighth street.....Estimate	\$2,763 00
11701	" 28, "	Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards.....	M. L. Brosnan.....	Charles Jones..... John Brosnan.....	5,000 00	Sewer and appurtenances in John street, from the existing sewer in Brook avenue to Eagle avenue; with branches in St. Ann's avenue, from One Hundred and Fifty-sixth to Clifton street.....Estimate	11,449 31
11702	" 28, "	Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards.....	".....	Charles Jones..... John Brosnan.....	1,700 00	Sewer and appurtenances in One Hundred and Forty-second street, from Brook to St. Ann's avenue.....Estimate	3,076 61
11703	" 29, "	Commissioner of Street Improvements, Twenty-third and Twenty-fourth Wards (Bond).....	M. J. Leahy.....	David Kelly.....	200 00	Rebuilding retaining-wall in Brook avenue, near Third avenue.....Total	350 00
11704	" 30, "	Public Works (Special).....	James Slattery.....	Peter McEntee.....	50 00	Flagging and reflagging Thirty-seventh street, from Eighth to Ninth avenue.....Estimate	108 56
11705	" 28, "	".....	Matthew Baird.....	James Baird..... John P. Kane.....	6,000 00	Regulating and grading One Hundred and Forty-eighth street, from Boulevard west to Twelfth avenue, and setting curb-stones and flagging and laying crosswalks at intersecting avenues.....Estimate	13,883 30
11706	" 28, "	".....	".....	James Baird..... John P. Kane.....	6,000 00	Regulating and grading One Hundred and Forty-ninth street, from Boulevard west to Twelfth avenue, and setting curb-stones and flagging and laying crosswalks at intersecting avenues.....Estimate	15,588 18
11707	" 30, "	".....	James Slattery.....	James Rozell..... Peter McEntee.....	200 00	Flagging full width and reflagging, curbing and recurbing on north side of One Hundred and Fifteenth street, from Third to Lexington avenue.....Estimate	587 48
11708	" 23, "	Board of Education.....	A. Lowenbein's Sons.....	L. H. Weill..... H. Lowenbein.....	3,000 00	Furniture, Part I., in new building at northwest corner of Ninety-third street and Amsterdam avenue, Twelfth Ward.....Total	9,197 00
11709	" 29, "	".....	Wood & Talmie.....	Josiah Walker..... John Spence.....	19,000 00	Erecting wings, making alterations, etc., at Grammar School Building No. 18, at No. 121 East Fifty-first street, Nineteenth Ward.....Total	57,357 00
11710	" 29, "	Public Works.....	A. E. Moran.....	M. McGrath..... D. W. Moran.....	200 00	Flagging full width and reflagging, curbing and recurbing Madison avenue, from One Hundred and Thirty-first street to One Hundred and Thirty-second street.....Estimate	495 26
11711	" 23, "	".....	I. O. Shumway.....	John Flanagan..... R. H. Casey.....	1,500 00	Furnishing materials and labor for repairing the buildings Nos. 8, 10, 12 and 14 Chambers street.....Total	2,194 00
11712	" 28, "	".....	John Cornwell, Jr.....	Moses Mehrbach..... Francis A. Clark.....	2,000 00	Laying water-mains in Bristow, Seventy-second, Seventy-fifth, Ninety-first, One Hundred and First, One Hundred and Thirty-eighth, One Hundred and Thirty-ninth, One Hundred and Forty-second and One Hundred and Sixty-first streets, and in Tinton avenue.....Estimate	4,627 91
11713	" 31, "	Public Parks.....	Thomas A. Rourke.....	E. J. McCluskey..... George A. Vreeland.....	500 00	Erection of an iron railing around one park in Park avenue, between Sixty-sixth and Sixty-seventh streets.....Total	1,400 00
11714	" 21, "	Public Charities and Correction.....	P. Carraher, Jr.....	Henry Alexander..... Phillip Heipershausen.....	1,000 00	Materials and work required for steam-heating a pavilion for the New York City Asylum for the Insane, Blackwell's Island.....Total	1,572 00
11715	" 22, "	".....	James S. Newburn.....	Neil Kelly..... John Elsey.....	1,200 00	Furnishing 16,025 pounds chickens and 4,412 pounds of turkeys.....Total	2,095 94
11716	Jan. 4, 1892	".....	Martin Engel.....	Max B. Engel..... Samuel Engel.....	5,000 00	Furnishing the poultry required for the year 1892.....Estimate	8,000 00
11717	" 4, "	".....	David P. Arnold.....	Edward Kearney..... Daniel Winant.....	50,000 00	Furnishing meat required for the year 1892.....Estimate	252,075 00

CLAIMS FILED.

DATE.	NAME OF CLAIMANT.	AMOUNT.	NATURE OF CLAIM.	ATTORNEY.
Jan. 4	Adolf Kleine, administrator.....	\$5,000 00	For damages for personal injuries resulting in the death of his son, Frederick Kleine.	E. Arnstein.
" 4	James Connors.....	1,766 06	For salary as Boardman in the Department of Street Cleaning, from June 27, 1889, to November 27, 1891.....	W. H. Mellor.
" 4	Seligman Manheimer.....	4,880 00	For salary as Chief Clerk of the New York City Civil Service Boards, from April 14, 1889, to December 31, 1891.....	S. Manheimer.
" 5	Michael Corr.....	3,868 83	For salary as Clerk in the Finance Department, from January 1, 1888, to November 24, 1891.....	B. C. Chetwood.
" 5	Samuel Seaman.....	2,355 53	For salary as Engineer at High Bridge, in the Department of Public Works, from July 15, 1889, to November 23, 1891.....	"
" 5	E. D. Alvord.....	.....	For one equal undivided one twenty-fifth part of award made on Lot No. 225, opening Melrose avenue, from Third avenue to One Hundred and Sixty-third street.....	J. Kearney.
" 6	Edward Fox.....	3,145 78	For salary as Inspector of Masonry on New Aqueduct, from December 18, 1889, to date.....	J. F. McIntyre.
" 7	William Shay.....	2,460 50	For wages as Carpenter on the New York and Brooklyn Bridge, from August 6, 1889, to November 25, 1891.....	S. Williams.
" 7	John Murphy.....	2,008 30	For wages as Trainman on the New York and Brooklyn Bridge, from October 18, 1889, to November 26, 1891.....	"
" 8	Bohumil Pokorny.....	20,000 00	For damages for personal injuries.....	G. W. Smith.
" 9	Macdonough Craven.....	9,000 00	For salary as Leveler in the Department of Public Works.....	Kellogg, R. & S.

Opening of Proposals.

The Comptroller (by representative) attended the opening of proposals at the following Departments, viz.:

January 5. The Department of Street Improvements, Twenty-third and Twenty-fourth Wards—For constructing sewers and appurtenances and for regulating, grading, etc., in the several streets and avenues enumerated in the advertisement of said Department, dated December 19, 1891, published in the CITY RECORD.

January 7. The Department of Docks—For dredging at West Washington Market Section on the North river.

Approval of Sureties.

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

January 4. For furnishing illuminating gas for lighting the public markets, armories, buildings and offices of the City of New York, from January 1, 1892, to December 31, 1892, both days inclusive.

Equitable Gas-light Co., Third avenue and Twenty-fifth street, Principal.
John Fox, No. 10 East Fifty-fifth street, } Sureties.
William H. Gebhard, Park Avenue Hotel, }

January 4. For furnishing the Department of Public Charities and Correction with groceries for 1892.

J. C. Juhring, No. 793 President street, Brooklyn, Principal.
Francis H. Leggett, No. 2 West Forty-third street, } Sureties.
Albert H. Jones, No. 170 West Fifty-ninth street, }

W. H. Henneberger, No. 317 Washington street, Principal.
Robert Rutter, No. 118 East Fourteenth street, } Sureties.
Herman Henneberger, Mount Vernon, N. Y., }

January 4. For furnishing the Department of Public Charities and Correction with 40,000 tons of coal for the islands.

D. Duncan & Son, No. 1 Broadway, Principals.
Henry E. Bowns, No. 1 Broadway, } Sureties.
Lewis C. Popham, No. 16 East Twenty-third street, }

January 4. For furnishing the Department of Public Charities and Correction with fresh cow's milk for 1892.

A. S. Beakes, No. 347 West Thirty-fourth street, Principal.
Charles H. C. Beakes, No. 396 St. Nicholas avenue, } Sureties.
Julius A. Robinson, No. 4 Washington street, }

January 5. For furnishing the gas, or other illuminating material for, and lighting, extinguishing, cleaning, repairing and maintaining the public lamps (and supplying gas, etc., for new lamps when required), on the streets, avenues, piers, parks and public places in the City of New York, from January 1, 1892, to December 31, 1892, both days inclusive.

Yonkers Gas-light Co., No. 109 Woodworth avenue, Yonkers, Principal.
Thomas C. Cornell, Yonkers, N. Y., } Sureties.
Samuel D. Babcock, No. 636 Fifth avenue, }

January 5. Equitable Gas-light Co., Third avenue and Twenty-fifth street, Principal.
John Fox, No. 10 East Fifty-fifth street, } Sureties.
William H. Gebhard, Park Avenue Hotel, }

January 6. Standard Gas-light Co., No. 2 Cortlandt street, Principal.
J. A. Bostwick, No. 22 William street, } Sureties.
Frank Tilford, No. 19 West Fifty-fifth street, }

January 6. For furnishing the Department of Public Charities and Correction with hospital supplies for 1892.

Ross & Kenny, Nos. 64 and 66 Water street, Principals.
William Osborn, No. 237 West Seventy-sixth street, } Sureties.
Charles S. Osborn, No. 45 Beaver street, }

January 6. For furnishing the Department of Public Charities and Correction with coal for the out-door poor.

George W. Winant, No. 410 West Nineteenth street, Principal.
Maurice J. Sullivan, No. 68 Seventh avenue, } Sureties.
George Hayes, No. 230 West One Hundred and Twenty-ninth street, }

January 7. For furnishing the Department of Public Charities and Correction with groceries for 1892.

C. T. Goodwin & Son, No. 228 Front street, Principals.
Warren S. Silcock, No. 23 South Portland avenue, Brooklyn, } Sureties.
John G. F. Randolph, No. 132 Fort Greene place, Brooklyn, }

January 7. Wright & Winsor, No. 190 Chambers street, Principals.
William H. B. Totten, No. 15 West Seventy-third street, } Sureties.
Merit B. Miller, No. 52 West Forty-eighth street, }

January 7. For furnishing the Department of Public Charities and Correction with groceries for 1892.

Thurber, Whyland & Co., West Broadway and Reade street, Principals.
Robert J. Dean, No. 147 West Seventy-ninth street, } Sureties.
James S. Barron, 141 Chambers street, }

January 7. For furnishing gas or other illuminating material for and lighting, extinguishing, cleaning, repairing and maintaining the public lamps (and supplying gas, etc., for new lamps, when required), on the streets, avenues, piers, parks and public places in the City of New York, from January 1 to December 31, 1892, both days inclusive.

N. Y. & N. J. Globe Gas-light Co., No. 115 Broadway, Principal.
Henry H. Rogers, No. 26 East Fifty-seventh street, } Sureties.
Isaac H. Dahlman, No. 209 East Twenty-fourth street, }

January 8. For dredging at West Washington Market Section, on the North river.

Morris & Cuming Dredging Co., No. 22 State street, Principal.

James D. Leary, No. 22 State street, } Sureties.
Daniel J. Leary, No. 43 West Twenty-fifth street, }

January 8. For furnishing the Department of Public Charities and Correction with groceries for 1892.

William F. Gillott, Jr., No. 61 Hudson street, Principal.

James E. Nichols, No. 155 West Fifty-eighth street, } Sureties.
Henry M. Anthony, No. 180 West Fifty-ninth street, }

Horace Ingersoll, No. 640 West Thirty-fourth street, Principal.
Jacob D. Butler, No. 73 Convent avenue, } Sureties.
Samuel Ingersoll, No. 438 West Thirty-fourth street, }

January 8. For furnishing, operating and maintaining electric-lamps, from January 1 to December 31, 1892.

Brush Electric Illuminating Co., Times Building, Principal.
David L. Einstein, No. 39 West Fifty-seventh street, } Sureties.
Caleb H. Jackson, Times Building, }

Shop sundries, repairs to telegraph apparatus, wagons, etc	\$350	00
Repairs to fire-boat "William F. Havemeyer"	175	00
Carpentry, quarters of Hook and Ladder 21	30	00
Carpentry, quarters of Engine 16	41	00
Doors for quarters of Engine 17	385	00
Articles for repairs	168	00
Materials for issue	61	25
Repairs to flag-staff, quarters Hook and Ladder 10	39	00
Iron work, quarters of Engine 3	5	63
" " 19	35	00
Masonry, quarters of Hook and Ladder 10 and Engine 29	50	00
Plumbing, quarters of Hook and Ladder 17	9	00
" quarters of Engine 26	13	63
" at Department Headquarters	19	00
" quarters of Engine 33	20	99
" " 24	21	38
" quarters of Hook and Ladder 9	22	00
" quarters of Engine 50	48	00
" " 16	98	60
Repairs to clocks, flags, etc	300	00

Wood	\$350 00
Materials and implements	898 50
One horse for use at Hospital Stables	300 00
Two horses for Engine 41	600 00
One set single harness	60 00

Filed.

Foreman in charge of Repair Shops—Reporting receipt and test of ten thousand feet two and one-half-inch "Adriatic" hose, from the Cornelius Calahan Company of Boston.
 Foreman in charge of Hospital and Training Stables—Reporting death of horse No. 115.
 Finance Department—Weekly statement of condition of the appropriation.
 Thomas F. Boucher—Notice of claim against Contractor Mathias Renault.
 Superintendent of Repairs to Buildings—Returning request of Mathias Theriault, contractor for repairing and altering quarters of Engine 12, for an extension of time on contract, with recommendation. Approved, and extension granted to the 7th instant.
 Same—Returning, with recommendation, the request of Joseph Moore, contractor for repairing and altering the quarters of Engine 29 and Hook and Ladder 10, for an extension of thirty days' time on contract. Approved and granted.

*Bills and Pay-rolls Audited.**Schedule No. 96 of 1891, on the 7th instant.*

Bangor Extension Ladder Co., apparatus, supplies, etc.	\$40 00
Brewster & Co.,	144 63
Cornelius Calahan Co.,	6,700 00
Central Gas-light Co.,	45 12
Duffy, Phillip,	30 00
Duryee, Joseph W.,	232 72
Farrington, Joseph F.,	4 67
Findley, William L.,	54 15
Frisbee, James G.,	62 50
Gutta-Percha and Rubber Manufacturing Co., apparatus, supplies, etc.	36 37
Jussen, Carl, Secretary,	235 09
Kane & Wright,	122 00
Kithener, Charles P.,	50 00
Koehler, Otto,	10 15
Metropolitan Telephone and Telegraph Co.,	5 00
Miles, William H. & Co.,	30 00
Morse, Andrew J. & Son,	187 92
National Chemical Wood Treatment Co.,	128 00
National Treasurer Intelligence Co.,	23 80
Northern Gas-light Co.,	30 88
Ogden & Wallace,	55 45
Priest, Calvin M.,	30 00
Rapp & Johnson Lumber Co.,	56 06
Schmidt, Charles & Son,	3 50
Seneca Lake Ice Co.,	33 60
Shea, Joseph,	59 24
Smith, Carls Son,	147 50
Smith, Clifford E.,	36 88
Renault, Mathias,	3,950 00
Yonkers Gas-light Co.,	41 44
	\$12,587 17

Schedule No. 97 of 1891, on the 7th instant.

Extra Telegraph Force Pay-roll, apparatus, supplies, etc.	\$607 55
(No. 2), placing fire-alarm conductors underground ..	61 25
Headquarters Pay-roll, salaries	63 00
Engine Co., No. 43,	42 00
" 51,	42 00
" 57,	42 00
Repair Shops,	1,600 61
Hospital Stables,	115 50
	\$2,133 91

Schedule No. 98 of 1891, on this date.

Carlin, William, apparatus, supplies, etc.	\$45 00
Casey, Patrick,	24 00
Cleary & Donnelly,	24 00
Crozier, Arthur W.,	12 00
Dean, Jeremiah,	39 00
Donohue, M.,	18 00
Dowd, James,	12 00
Duane, J.,	3 00
Dunn, John F.,	47 25
Fallon, O. & Son,	87 00
Fitzgerald, Ed.,	27 00
Fitzpatrick, John,	33 00
Fox, C.,	24 00
Gallon, Thomas J.,	39 00
Glendon & Casey,	12 00
Graham, John,	36 00
Graley, Benj. F.,	27 00
Hassler, John A.,	21 00
Hayes, Dennis,	12 00
Hayes, John,	3 00
Hone Bros.,	18 00
Kinney, Bernard,	48 00
Kiernan, B.,	45 00
Lally, John,	88 50
Lattimore & Dougherty,	33 00
Lirghton, J. A.,	12 00
Malloy, Mrs. Joseph,	6 00
Malone, P.,	21 00
Moffit, Edward,	42 00
McCann, Henry,	66 00
McCann, Patrick,	30 50
McFaul, Charles,	21 00
McKenna, Patrick,	21 00
McKenna, William,	51 00
McNally, John,	18 75
Nimphius, Adam,	18 00
Quilty, Patrick,	54 00
Roche, James,	27 00
Woods, Thomas F.,	21 00
	\$1,186 50

Communications, etc.—Referred.

Inspector of Combustibles—Reporting violation of law. Back, with directions to enforce collection of the penalty.

Filed.

Commissioner Robbins—Reporting action taken by him in reference to having the debris of the late fire at corner of Fulton and Nassau streets removed from Burling Slip. Action approved.
 Foreman of Hook and Ladder 7—Reporting the seizure of a set of uniform buttons.
 Fireman 3d grade Arthur C. Stockmar, Engine 1—Tendering resignation to take effect from the 8th instant. Name to be dropped from pay-roll to take effect from 3d instant, and to record the fact that charges are pending against him, and that the Chief of Department reports that after tendering his resignation Fireman Stockmar pawned his uniform coat, with the buttons thereon, belonging to the Department.
 Commissioner of Public Works—Relative to special appropriation for procuring and setting additional fire hydrants.
 Supervisor of City Record—Relative to forwarding requisitions for books, stationery, etc. To comply.
 Chief of Department—Returning petition of M. C. Burton and others to have a fire company located at Woodlawn Heights, to which the President had replied that if the amount asked for new sites for the coming year is allowed there will be sufficient to purchase a site at Woodlawn Heights, and that it will be done if possible. Action approved.

General Manager of the Edison General Electric Company—Relative to electric light and power plants in the city. Action of the Secretary communicating reply approved.

*Promotions, subject to Civil Service Examination :**To be Foremen.*

Assistant Foreman	Patrick Conaghan, Hook and Ladder 13.
"	Andrew Gaffney, Engine 30.
"	John J. Grady, Hook and Ladder 2.
"	Richard J. Norris, Engine 14.
"	Michael A. Reilly, " 25.

To be Assistant Foremen.

Fireman 1st grade	James C. Brogan, Engine 31.
"	Richard W. Callaghan, Engine 7.
"	Thomas F. Connelly, Hook and Ladder 11.

Appointment.

Charles Moran, as Carpenter in the Repair Shops, at \$3.50 per day, from the 23d instant.
 Adjourned.

CARL JUSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT, }
 NEW YORK, October 21, 1891. }

Present—President Henry D. Purroy in the chair, and Commissioner S. Howland Robbins.
 Reports of violations of the rule regulating attendance in the several offices were received from the Secretary, Inspectors of Combustibles, Fire Marshal and Superintendent of Buildings, and the following named who were called before the Board were reprimanded :

Clerk William J. Findley, Headquarters.
 Surveyor Harvey Scofield, Bureau of Combustibles.
 Clerk Jacob Cole, Bureau of Combustibles.
 Clerk Edward Scofield, Bureau of Inspection of Buildings.
 Clerk Samuel G. Friedsam, Bureau of Inspection of Buildings.
 Inspector Michael Dunne, Bureau of Inspection of Buildings.
 Inspector James Duffy, Bureau of Inspection of Buildings.
 Clerk Henry W. Seabold, Bureau of Fire Marshal.

Trials.

Engineer of Steamer William H. F. Binns, Engine 3 : Charge 1—"Conduct unbecoming a gentleman, and prejudicial to the general reputation, order or discipline of the Department."
 Charge 2—"Under the influence of liquor." Dismissed the service of the Department.
 Fireman 3d grade Martin R. McGowan, Hook and Ladder 1 : Charge 1—"Absence without leave." Charge 2—"Disobedience of orders." Charge 3—"Conduct prejudicial to good order." Dismissed the service of the Department.

Assistant Foreman William C. Braisted, Engine 57 : "Neglect of duty." Reprimanded.

Requisitions, etc.—Expenditures Authorized.

Extra teams for removing poles, etc.	\$200 00
Repairs to floating engine "The New Yorker"	25 00
Kerosene oil	18 00
Badges	43 75
Supplies	856 75
Subsidiary subway	600 00
Wagon hardware, steam-fitting, etc.	250 00
Two horses for Engine 54	600 00
Carpentry, quarters of Engine 26	14 50
" 5	35 00
Gas-fitting, quarters of Engine 12	19 62
Iron work, quarters of Engine 16	5 25
Plumbing, quarters of Engine 46	15 00
Plumbing at Department Headquarters	33 00
Plumbing and gas-fitting, quarters of Engine 5	58 00
" 34	58 63
Masonry, quarters of Hook and Ladder 19	54 00
Masonry, quarters of Engine 8	180 00
Secretary, for incidental expenses, quarter ending December 31	600 00
Inspector of Combustibles, for incidental expenses, quarter ending December 31	225 00
Superintendent of Buildings, for incidental expenses, quarter ending December 31	350 00
Fire Marshal, for incidental expenses, quarter ending December 31	120 00
Attorney to Department, for incidental expenses, quarter ending December 31	200 00
Superintendent of Telegraph, for incidental expenses, quarter ending December 31	450 00
Foreman in charge of Repair Shops, for incidental expenses, quarter ending December 31	50 00
Foreman in charge of Hospital Stables, for incidental expenses, quarter ending December 31	90 00
Supply Clerk	125 00

Referred.

Chief of Department—Returning, with recommendation, proposal of the Edison Illuminating Co., for lighting quarters of Hook and Ladder 10 and Engine 29. To Commissioner Robbins.
 Board of Estimate and Apportionment—Request for statement of all unexpended balances for the year 1890 and previous years. To the Bookkeeper for compliance.
 J. H. Schmidt—Relative to rent for lot occupied by Engine 41. To Commissioner Robbins.

Filed.

Board of Estimate and Apportionment—Notice of meeting of the Board to consider Provisional Estimate of the Department for 1892.

Same—Copy of resolution authorizing the transfer of appropriations.

Finance Department—Statement of condition of the appropriation for the weeks ending October 10 and 17.

H. Becker—Notice of claim against Mathias Theriault, contractor.

*Bills and Pay-rolls Audited.**Schedule No. 99 of 1891, on the 14th instant.*

Clapp & Jones Manufacturing Co., apparatus, supplies, etc.	\$67 00
Conover, Warren A.,	50 00
Consolidated Gas Co.,	914 37
Dahlman, I. H.,	900 00
Delancy, James E.,	30 00
Dobbs, Edwin,	50 00
Freyer, William J.,	50 00
Harkness Fire Extinguisher Co.,	12 70
Le Brun, N.,	50 00
Merill, E. R.,	68 61
Metropolitan Telegraph and Telephone Co., apparatus, supplies, etc.	53 20
Moonan, John,	1,223 17
Moseman, C. M. & Bro.,	10 75
Murray, John W.,	50 00
New York Steam Co.,	30 48
O'Reilly, Cornelius,	50 00
Pyser, John & Sons,	8 79
Schnabeland, John,	12 00
Seery, Peter,	62 16
Walsh, John F., Jr.,	6 75
	\$3,699 98

Schedule No. 100 of 1891, on the 14th instant.

Extra Telegraph Force Pay-roll, apparatus, supplies, etc.	\$600 00
(No. 2) placing fire alarm conductors underground ..	58 75
Headquarters Pay-roll, salaries	63 00
Engine Co. No. 43 Pay-roll, salaries	42 00
" 51,	42 00
" 57,	42 00
Repair Shops	1,190 23
Hospital Stables	115 50
	\$2,153 48

Schedule No. 101 of 1891, on this date.

Bloor, A. J., apparatus, supplies, etc.	\$150 00
Gates, Church, E. & Co., apparatus, supplies, etc.	9 00
Goldsticker, L. & M., " "	250 00
Ironclad Manufacturing Company, " "	69 82
Kennedy, D., " "	310 50
Le Brun, N., " "	100 00
McFadden, Theo. S. Co., " "	11 00
Mitchel, James, " "	32 06
Patterson, Gottfried & Hunter (Ltd.), " "	31 85
Pearce, Frederick, " "	29 50
Pearce, Frederick, placing fire-alarm conductors underground.	123 54
Shields, John R., apparatus, supplies, etc.	88 62
Smith, N. J., " "	77 20
Sullivan, John W., " "	175 00
Standard Underground Cable Company, placing fire-alarm conductors underground.	585 52
Upjohn, R. M., apparatus, supplies, etc.	10,543 50
	25 00
	\$12,612 11

Schedule No. 102 of 1891, on this date.

Extra Telegraph Force Pay-roll, apparatus, supplies, etc.	\$652 85
(No. 2), placing fire-alarm conductors underground.	58 75
Headquarters Pay-roll, salaries.	63 00
Engine Co. No. 43 Pay-roll, salaries.	42 00
" 51 " "	42 00
" 57 " "	42 00
Repair Shops, " "	1,184 98
Hospital Stables, " "	115 50
	\$2,203 08

Communications, etc.—Referred.

Foreman of Hook and Ladder 14—Reporting the loss of fire-alarm box-key. To Property Record Clerk.

Foreman Hook and Ladder 22—Reporting the loss of key holder's key for fire-alarm box. To Property Record Clerk.

Fireman 1st grade Dennis Morrissey, Engine 21, and Christopher Daly, Hook and Ladder 14—Applying to be retired from active service at fires. To Medical Officer for examination.

Inspector of Combustibles—Reporting violations of law. Back, with directions to enforce collection of penalties.

Attorney to Department—Returning one violation case of this current year, with recommendation that the complaint be dismissed. Approved, to Superintendent of Buildings.

Same—Returning application of Louis Wendel for remission of penalties incurred for violation of the Building Laws, with recommendation to grant, the violation having been removed. Approved, back for proper action.

Superintendent of Telegraph—Recommending the placing of additional signal-boxes and changes in location of boxes. Approved, back with directions to carry out.

Equitable Gas-light Company of New York—Applying for the lighting of houses. To Commissioner Robbins.

Filed.

Chief of Department—Forwarding reports, respectively, of the Chiefs of the Sixth and Fifth Battalions, of meritorious action of members of the Department at the late fires, No. 101 Fifth avenue and No. 52 Dominick street, with recommendation to place the following names on the Roll of Merit:

Chief of Battalion Thomas Lally.
Fireman 1st grade Patrick F. Lucas.
Fireman 1st grade James McClevey.
Fireman 2d grade Mathew J. Murphy.
Assistant Foreman John L. Rooney.
Fireman 2d grade Thomas F. Coleman.
Fireman 2d grade Joseph Coyle.
Fireman 2d grade John Sullivan.
Recommendation approved.

Foreman of Engine 22—Reporting the death, on the 19th instant, of Fireman 1st grade Joseph A. Cottrell.

Foreman of Engine 29—Reporting loss of coat badge by Fireman 3d grade David M. Hughes. To impose fine.

Foreman in charge of Repair Shops—Recommending that Laborer Merwin B. Kirk be made a Wheelwright's Helper. Recommendation approved and promotion ordered to take effect from the 22d instant.

Michael Mahler—Requesting test of "Patent adjustable window," without expense to the Department. Action of Commissioner Robbins granting permission approved.

Laid over.

Foreman in charge of Repair Shops—Recommending that the name of Driver Thomas McCabe, of the Repair Shops, be dropped from the rolls for continuous absence.

Appointments.

John J. McAdam, as Machinist's Helper in the Repair Shops, at \$1.75 per day, from the 22d instant.

Charles Smith, as Driver in the Hospital and Training Stables, at \$50 per month, from the 23d instant, in place of James Smith, dropped.

Resolutions.

Resolved, That the Common Council be requested to authorize the expenditure of a sum not exceeding six hundred and sixty-five dollars for the erection of a stand and the employment of a band of music on the occasion of the presentation of the Bennett and Stephenson medals on November 7, next.

Resolved, That the Bennett and Stephenson medals be presented for the years 1889 and 1890, on Saturday, November 7, next, and that Commissioner Robbins be and is hereby authorized to make the necessary arrangements therefor.

Adjourned.

CARL JUSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT,
NEW YORK, October 24, 1891.

Present—President Henry D. Purroy in the chair, and Commissioners S. Howland Robbins and Anthony Eickhoff.

Relieved from Service at Fires from the 25th instant.

Fireman 1st grade Christopher Daly, Hook and Ladder 14.
Fireman 1st grade Dennis Morrissey, Engine 21.
Adjourned.

CARL JUSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT,
NEW YORK, October 28, 1891.

Present—President Henry D. Purroy in the chair, and Commissioners S. Howland Robbins and Anthony Eickhoff.

Trials.

Fireman 2d grade James Crockwell, Engine 31, "disobedience of orders." Fined five days' pay and warned.

Fireman 3d grade James F. Calnan, Engine 13, "absence without leave." Fined two days' pay.

Fireman 1st grade Samuel T. Warren, Engine 13, "disrespect to superior officer." Fined five days' pay.

Fireman 3d grade Peter J. Wren, Engine 40, "neglect of duty." Dismissed the service.

Requisitions, etc.—Expenditures Authorized.

Repairs to floating engine, "The New Yorker".	\$360 00
" Department wagon.	57 85
" " "	65 00
" ladders, fire extinguishers, wagons, etc.	250 00
Sliding pole guards, Engine 3.	27 00
Plumbing, Hook and Ladder 1.	65 00
Carpentry, Engine 53.	535 00
Battery supplies and wire.	245 00
Implements and supplies.	585 00
Supplies.	883 00

Filed.

Commissioner Robbins—Returning, with report, communication of J. H. Schmidt, relative to rent, etc., for lot occupied by Engine 41. Approved, with directions to apply to Commissioners of Sinking Fund for authority to lease.

Finance Department—Weekly statement of condition of the appropriation.
William Middleton—Requests to test English Ince Hall canal coal, without expense to this Department. To inquire as to nature of test desired.

Bills and Pay-rolls Audited.

Schedule No. 103 of 1891, on this date.

Arctander, Arthur, repairs and alterations to buildings	\$76 00
Ash & Buckbee, " "	102 00
Bauman Bros., apparatus, supplies, etc.	774 76
Bloomfield, H. L., " "	10 50
Duryee, Joseph W., repairs and alterations to buildings.	628 00
Edison General Electric Company, apparatus, supplies, etc.	68 51
Goldstriker, L. & M., " "	125 00
Hayward, S. F. & Co., " "	4 00
McDermott, M. J., repairs and alterations to buildings.	28 00
Moonan, John, apparatus, supplies, etc.	1,570 19
Niver, Norman L., " "	5 00
Peerless Rubber Manufacturing Company, apparatus, supplies, etc.	600 00
Smith, J. Elliott, " "	91 10
Renault, Mathias, repairs and alterations to buildings.	107 24
Thorn, F. & W. & Co., apparatus, supplies, etc.	10 00
Trask & Carmichael, repairs and alterations to buildings.	40 00
Van Blaricom & Bradley, apparatus, supplies, etc.	39 00
Westervelt, A. B. & W. F., repairs and alterations to buildings.	146 00
Wyckoff, Seamans & Benedict, apparatus, supplies, etc.	1 70
	\$4,426 92

Schedule No. 104 of 1891, of this date.

Extra Telegraph Force Pay-roll, apparatus, supplies, etc.	\$690 00
(No. 2), placing fire-alarm conductors underground.	58 75
Headquarters Pay-roll, salaries.	63 00
Engine Co. No. 43, Pay-roll, salaries.	42 00
" 51, " "	42 00
" 57, " "	42 00
Repair Shops, " "	919 81
Hospital Stables, " "	115 50
	\$1,973 06

Schedule No. 105 of 1891, on this date.

Headquarters Pay-roll, salaries.	\$4,093 67
Attorney to Department Pay-roll, salaries.	333 33
Chief of " "	3,749 90
Engine and Hook and Ladder Companies Pay-roll, salaries.	112,657 19
Bureau of Combustibles Pay-roll, salaries.	1,233 32
" Fire Marshal, " "	610 05
" Inspectors of Buildings Pay-roll, salaries.	8,396 69
(No. 2) " "	453 33
Telegraph Force Pay-roll, salaries.	2,436 63
Repair Shops, " "	667 66
	\$134,618 39

Communications, etc.—Referred.

Attorney to Department—Returning two violation cases of the current year, with recommendations that complaints be dismissed. Approved. To Superintendent of Buildings.

Chief of Department—Recommendation relative to awards of medals be made as follows: Bennett medal, for 1889, to Fireman 1st grade William Reilly, Engine 24; for 1890, to Foreman Thomas J. Ahearn, Engine 5. Stephenson medal, for 1889, to Foreman William Duane, Engine 39; for 1890, to Foreman John S. Honan, Hook and Ladder 1. Recommendation approved.

Same—Forwarding report of Chief of Fifth Battalion relative of meritorious action of members of the Department at fire Nos. 389 and 391 West street, on the 21st instant, with recommendation to place the following names on the Roll of Merit: Chief of Battalion Thomas Lally and Firemen 1st grade Patrick F. Lucas, John E. Nickerson and Charles Mailley. Recommendation approved.

Laid Over.

Clerk of Board of Examiners, Bureau Inspection of Buildings—Returning application of John J. Montgomery for the position of Inspector in Bureau Inspection of Buildings, with report of his examination and qualification for the position.

Adjourned.

CARL JUSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT,
NEW YORK, October 29, 1891.

Present—President Henry D. Purroy in the chair, and Commissioner S. Howland Robbins.

Appointments.

As uniformed firemen, to take effect from the 5th proximo, with salary at the rate of \$1,000 per annum:

Charles Buddenhagen, Engine 17.
Christopher Kenny, Engine 7.
Eugene O'Sullivan, Hook and Ladder 1.
Adjourned.

CARL JUSSEN, Secretary.

HEADQUARTERS FIRE DEPARTMENT,
NEW YORK, October 31, 1891.

Present—President Henry D. Purroy, and Commissioner S. Howland Robbins.

Appointment.

Edward Dunn, as uniformed Fireman, to take effect from the 5th proximo, with salary at the rate of \$1,000 per annum.

Promotion.

—subject to Civil Service examination:
Engineer of Steamer Patrick Maher (No. 1), Engine 12, to be Assistant Foreman.
Adjourned.

CARL JUSSEN, Secretary.

OFFICIAL DIRECTORY.

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

EXECUTIVE DEPARTMENT.

Mayor's Office.

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

Mayor's Marshal's Office.

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

COMMISSIONERS OF ACCOUNTS.

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

AQUEDUCT COMMISSIONERS.

Room 209, Stewart Building, 5th floor, 9 A. M. to 5 P. M.
JAMES C. DUANE, President; JOHN C. SHEEHAN, Secretary; A. FOLEY, Chief Engineer; J. C. LULLEY, Auditor.

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

COMMON COUNCIL.

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

DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.

No. 31 Chambers street, 9 A. M. to 4 P. M.
THOMAS F. GILROY, Commissioner; MAURICE F. HOLAHAN, 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.
JOSEPH RILEY, Register.

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

Office of 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.
WM. H. BURKE, Water Purveyor.

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

Bureau of Streets and Roads.
No. 31 Chambers street, 9 A. M. to 4 P. M.
JOHN J. RYAN, Superintendent.

Bureau of Incumbrances.
No. 31 Chambers street, 9 A. M. to 4 P. M.
MICHAEL T. CUMMINGS, Superintendent.

Keeper of City Hall
MARTIN J. KRESE, City Hall.

DEPARTMENT OF STREET IMPROVEMENTS

Twenty-third and Twenty-fourth Wards.
No. 262 Third avenue, northeast corner of One Hundred and Forty-first street. Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.
LOUIS J. HEINTZ, Commissioner; JOHN H. J. RONNER, Deputy Commissioner; WM. H. TEN EVCK, Secretary.

FINANCE DEPARTMENT.

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

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

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

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

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

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

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

LAW DEPARTMENT.

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

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

Office of Attorney for Collection of Arrears of Personal Taxes.
Stewart Building, Broadway and Chambers street, 9 A. M. to 4 P. M.
JOHN G. H. MEYERS, Attorney.
MICHAEL J. DOUGHERTY, Clerk.

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

POLICE DEPARTMENT.

Central Office.
No. 300 Mulberry street, 9 A. M. to 4 P. M.
JOHN R. VOORHIS, President; WILLIAM H. KIPP, Chief Clerk; T. F. RODENBOUGH, Chief of Bureau of Elections.

DEPARTMENT OF CHARITIES AND CORRECTION.

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

HARLEM RIVER BRIDGE COMMISSION

Washington Building, No. 1 Broadway.
Office hours for all, except where otherwise noted from 9 A. M. to 4 P. M. Saturdays, to 12 M.

FIRE DEPARTMENT.

Nos. 157 and 159 East Sixty-seventh street.
HENRY D. PURROY, President; CARL JUSSEN, Secretary.
Bureau of Chief of Department.
HUGH BONNER, Chief of Department.

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

Bureau of Fire Marshal.
JAMES MITCHELL, Fire Marshal.

Bureau of Inspection of Buildings.
THOMAS J. BRADY, Superintendent of Buildings.
Attorney to Department.
WM. L. FINDLEY.

Fire Alarm Telegraph.

J. ELLIOT SMITH, Superintendent.
Central Office open at all hours.

Repair Shops.

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

Hospital Stables.

Ninety-ninth street, between Ninth and Tenth avenues.
JOSEPH SHEA, Foreman-in-Charge.
Open at all hours.

HEALTH DEPARTMENT

No. 301 Mott street, 9 A. M. to 4 P. M.
CHARLES G. WILSON, President; EMMONS CLARK, Secretary.

DEPARTMENT OF PUBLIC PARKS.

Emigrant Industrial Savings Bank Building, Nos. 49 and 51 Chambers street, 9 A. M. to 4 P. M. Saturdays, 12 M.
ALBERT GALLUP, President; CHARLES DE F. BURNS, Secretary.

DEPARTMENT OF DOCKS.

Battery, Pier A, North river.
J. SERGEANT CRAM, President; AUGUSTUS T. DOCHARTY, Secretary.
Office hours, from 9 A. M. to 4 P. M.

DEPARTMENT OF TAXES AND ASSESSMENTS

Staats Zeitung Building, Tryon Row, 9 A. M. to 4 P. M. Saturdays, 12 M.
EDWARD P. BARKER, President; FLOYD T. SMITH, Secretary.

DEPARTMENT OF STREET CLEANING.

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

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

Cooper Union, 9 A. M. to 4 P. M.
JAMES THOMSON, Chairman of the Supervisory Board
LEE PHILLIPS, Secretary and Executive Officer.

BOARD OF ESTIMATE AND APPORTIONMENT

The Mayor, Chairman; E. P. BARKER, Secretary
CHARLES V. ADEE, Clerk
Office of Clerk, Staats Zeitung Building, Room 5.

BOARD OF ASSESSORS.

Office, 27 Chambers street, 9 A. M. to 4 P. M.
EDWARD GILON, Chairman; WM. H. JASPER, Secretary

BOARD OF EXCISE.

No. 54 Bond street, 9 A. M. to 4 P. M.
ALEXANDER MEAKIN, President; JAMES F. BISHOP, Secretary and Chief Clerk.

SHERIFF'S OFFICE.

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

REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.
FRANK T. FITZGERALD, Register; JAMES A. HANLEY, Deputy Register.

COMMISSIONER OF JURORS.

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

COUNTY CLERK'S OFFICE.

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

DISTRICT ATTORNEY'S OFFICE.

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

THE CITY RECORD OFFICE.

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

CORONERS' OFFICE.

No. 124 Second avenue, 8 A. M. to 5 P. M. Sundays and holidays, 8 A. M. to 12:30 P. M.
MICHAEL J. B. MESSEMER, FERDINAND LEVY, LOUIS W. SCHULTZ, JOHN B. SHEA, CORONERS; EDWARD F. REYNOLDS, Clerk of the Board of Coroners

CIVIL SERVICE SUPERVISORY AND EXAMINING BOARDS.

NEW YORK CITY CIVIL SERVICE BOARDS,
COOPER UNION,
NEW YORK, January 13, 1892.

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

January 19. STEAM ENGINEER, capable of running derrick and pile-driving engines, Dock Department.
January 19. ASSISTANT PHYSICIAN in Insane Asylums.

LEE PHILLIPS,
Secretary and Executive Officer.

THE COLLEGE OF THE CITY OF NEW YORK.

A STATED SESSION OF THE BOARD OF Trustees of the College of the City of New York will be held at the Hall of the Board of Education, No. 145 Grand street, on Tuesday, January 19, 1892, at 4:30 o'clock P. M.

JOHN L. N. HUNT,
Chairman.

ARTHUR McMULLIN,
Secretary.
Dated New York, January 12, 1892.

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE,
ROOM 6, NO. 31 CHAMBERS STREET,
NEW YORK, January 6, 1892.

TO CONTRACTORS.

BIDS OR ESTIMATES, INCLOSED IN A sealed envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until 12 o'clock M., on Tuesday, January 19, 1892, at which place and hour they will be publicly opened by the head of the Department.

No. 1. FOR FURNISHING MATERIALS AND PERFORMING WORK IN THE MOVING OF THE DOG POUND from its present location at the foot of East One Hundred and Second street to a point about 50 feet west.

No. 2. FOR FURNISHING CAST-IRON WATER-PIPES, BRANCH PIPES AND SPECIAL CASTINGS.

No. 3. FOR FURNISHING AND DELIVERING STOP-COCKS, HYDRANTS, WOODEN HYDRANT BOXES AND CAST-IRON STOP-COCK BOXES.

No. 4. FOR FURNISHING AND DELIVERING TAPPING COCKS AND TAPPING-COCK BOXES.

No. 5. FOR FURNISHING, DELIVERING AND LAYING WATER-MAINS IN MANHATTAN AND ONE HUNDRED AND TENTH STREETS AND IN ST. NICHOLAS AND FIFTH AVENUES.

No. 6. FOR SEWER IN PARK AVENUE, EAST SIDE, between Ninety-fifth and Ninety-sixth streets, CONNECTING WITH PRESENT SEWER IN PARK AVENUE, EAST SIDE, north of Ninety-sixth street.

No. 7. FOR ALTERATION AND IMPROVEMENT TO SEWERS IN SECOND AVENUE, between Seventy-first and Seventy-second streets, AND IN SEVENTY-FIRST STREET, between Second and Third avenues.

No. 8. FOR SEWER IN THIRTY-THIRD STREET, between Lexington and Fourth avenues.

No. 9. FOR SEWERS IN SOUTH STREET, between Broad and Wall streets, WITH OUTLET THROUGH NEW PIER NO. 6, EAST RIVER, AND CONNECTION WITH OLD SEWER AND OVERFLOW AT OLD SLIP.

No. 10. FOR SEWER IN ONE HUNDRED AND TWENTY-FIRST STREET, between Harlem river and Pleasant avenue.

No. 11. FOR SEWER IN ONE HUNDRED AND SIXTEENTH STREET, between Harlem river and Pleasant avenue.

No. 12. FOR FLAGGING EIGHT FEET WIDE AND REFLAGGING THE SIDEWALKS ON MADISON AVENUE, from One Hundred and Sixteenth to One Hundred and Twentieth street.

No. 13. FOR FLAGGING EIGHT FEET WIDE AND REFLAGGING THE SIDEWALKS ON THE BLOCK BOUNDED BY MANHATTAN AVENUE AND ST. NICHOLAS AVENUE, ONE HUNDRED AND TWENTY-SECOND AND ONE HUNDRED AND TWENTY-THIRD STREETS.

No. 14. FOR FLAGGING FULL WIDTH AND REFLAGGING, CURBING AND RECURBING THE SIDEWALKS ON NORTH SIDE OF ONE HUNDRED AND THIRTY-THIRD STREET, from Lenox to Seventh avenue.

No. 15. FOR FLAGGING AND REFLAGGING, CURBING AND RECURBING THE SIDEWALKS ON THE NORTH SIDE OF SEVENTY-EIGHTH STREET, from Second to Third avenue.

No. 16. FOR FLAGGING FULL WIDTH AND REFLAGGING THE SIDEWALKS ON ONE HUNDRED AND TWENTY-NINTH STREET, from Third to Lexington avenue.

No. 17. FOR FLAGGING ADDITIONAL COURSE AND REFLAGGING THE SIDEWALKS ON FIFTH AVENUE, from One Hundred and Fourteenth to One Hundred and Fifteenth street, AND ON ONE HUNDRED AND FOURTEENTH STREET, from Fifth to Madison avenue.

No. 18. FOR FLAGGING AND REFLAGGING, CURBING AND RECURBING THE SIDEWALKS ON THE EAST SIDE OF MADISON AVENUE, from Ninety-third to One Hundredth street.

No. 19. FOR REGULATING AND GRADING ONE HUNDRED AND SIXTY-SECOND STREET, from Eleventh avenue to Kingsbridge Road, AND SETTING CURBSTONES AND FLAGGING SIDEWALKS THEREIN.

No. 21. FOR FURNISHING THE DEPARTMENT OF PUBLIC WORKS WITH FIVE THOUSAND SIX HUNDRED (5,600) GROSS TONS, 2,240 POUNDS TO A TON, OF EGG-SIZE WILKESBARRE COAL.

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

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

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as a surety in good faith and 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 included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of the deposit will be returned to him.

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

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at Rooms 5, 9, 10 and 15, No. 31 Chambers street.

THOS. F. GILROY,
Commissioner of Public Works.

DEPARTMENT OF STREET CLEANING.

DEPARTMENT OF STREET CLEANING,
CITY OF NEW YORK,
STEWART BUILDING, NO. 280 BROADWAY,
NEW YORK, January 4, 1892.

TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THE Department of Street Cleaning with the following articles:

450,000 pounds clean No. 1 White Oats.
180,000 pounds Hay, of the quality and standard known as best Sweet Timothy.
50,000 pounds good clean Rye Straw.
10,000 pounds Bran.
1,600 pounds Coarse Salt.
1,500 pounds Rock Salt.
600 pounds Oil Meal.
200 pounds Oatmeal (coarse).

—will be received by the Commissioner of Street Cleaning at the office of said Department, Room 189, Stewart Building, No. 280 Broadway, in the City of New York, until 12 o'clock M. January 15, 1892, at which place and time they will be publicly opened by the Commissioner of Street Cleaning and read.

All of the articles are to be delivered at the Department Stables, Seventeenth street and Avenue C, and No. 614 West Fifty-second street, in such quantities and at such times as may be directed.

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

The form of the agreement, with specifications, showing the manner of payment for the articles, may be seen, and forms of proposals may be obtained at the office of the Department.

Proposals must include all the items, specifying the price per cwt. of Hay, Straw, Oats, Bran, Coarse Salt, Rock Salt, Oil Meal and Coarse Oatmeal.

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

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

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

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

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as sureties for its faithful performance in the sum of four thousand dollars (\$4,000); and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of two hundred (200) dollars. Such check or money must not be included in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York, as liquidated damages for such neglect or refusal, but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

THOMAS S. BRENNAN,
Commissioner of Street Cleaning.

NOTICE.

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

THOMAS S. BRENNAN,
Commissioner of Street Cleaning.

DEPARTMENT OF DOCKS.

(Work of Construction under New Plan.)

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

TO CONTRACTORS.

(No. 468.)

PROPOSALS FOR ESTIMATES FOR PREPARING FOR AND BUILDING A NEW STEAM LAUNCH.

ESTIMATES FOR BUILDING A NEW STEAM Launch will be received by the Board of Commissioners at the head of the Department of Docks, at the office of said Department, on Pier "A," foot of Battery place, North river, in the City of New York, until 1 o'clock P. M. of

THURSDAY, JANUARY 21, 1892,

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

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

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

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

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

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

The work to be done under the contract is to be commenced within five days after the date of the contract, and all the work contracted for is to be fully completed on or before the 30th day of April, 1892, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, determined, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates a price for the whole of the work to be done in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder. The award of the contract, if awarded, will be made to the bidder who is the lowest for doing the whole of the work, and whose estimate is regular in all respects.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing the work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect; and in case of failure or neglect to do so he or they will be considered as having abandoned it, and as in default to the Corporation, and the contract will be re-advertised and relet and so on until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence; the names of all persons interested with them therein; and if no other person be so interested the estimate shall distinctly state the fact; also that the estimate is made without any connection with any other person making an estimate for the same work, and that it is in all respects fair and without collusion or fraud; and also that no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested it is requisite that the verification be made and subscribed to by all the parties interested.

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

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

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

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

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

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

EDWIN A. POST,
J. SERGEANT CRAM,
JAMES J. PHELAN,
Commissioners of the Department of Docks.
Dated New York, January 5, 1892.

CONDITIONS OF THE RIGHT TO DUMP AND FILL IN TO BE SOLD BY VAN TASSELL & KEARNEY, AUCTIONEERS, ON SATURDAY, JANUARY 16, 1892, AT 11 O'CLOCK A. M., AT DEPARTMENT OF DOCKS, PIER "A" BATTERY PLACE, NORTH RIVER.

DEPARTMENT OF DOCKS,
PIER "A," BATTERY PLACE, NORTH RIVER,
New York, December 31, 1891.

MESSRS. VAN TASSELL & KEARNEY, auctioneers, will sell at public auction, in the Board Room, Pier "A," Battery place, in the City of New York, on

SATURDAY, JANUARY 16, 1892,

at 11 o'clock in the forenoon, for and on account of the Department of Docks, the right to dump and fill in behind the cribwork bulkhead between the centre line of West Eighty-first street and the line of the middle of the block between West Eighty-second and West Eighty-third streets, on the North river. The right or privilege to fill in the said premises will be sold to the highest bidder, and the price for such right or privilege must be paid at the time of sale. The material to be dumped or filled in must be composed of clean ashes, sand, loam, earth, etc., or of stone; if of stone, no piece of stone must be greater than 16 inches in its largest dimensions, and all material must be dumped and filled in only at such times and places and in such manner as shall be directed by the Engineer-in-Chief of the Department of Docks, or such other officer or employee of the Department of Docks as may be designated by him, and all the work of dumping and filling in must be done under the direction of the Engineer-in-Chief or designated employee.

The estimated quantity to be filled in at the said premises is about 40,000 cubic yards, more or less, but this quantity is approximate only, and the Department is not bound in any way by such estimate, and bidders must satisfy themselves of the quantities required to fill in at the place named by examination of the premises, or such other means as they may prefer, the intention of the Department being to fill in the whole of the said premises behind the bulkhead or river wall when it is built and ready to have filling put in behind it.

In case the party who is the highest bidder does not proceed with the work of filling in to the satisfaction of the Board of Docks, the said Board will at once proceed to have the filling in done by other parties in such way and manner as it deems proper.

The Auctioneer's fees (\$25) for filling in on the said section must be paid by the highest bidder thereon at time of sale.

J. SERGEANT CRAM,
EDWIN A. POST,
JAMES J. PHELAN,
Commissioners of the Department of Docks.
Dated New York, December 31, 1891.

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

TO CONTRACTORS.

(No. 467.)

PROPOSALS FOR ESTIMATES FOR DREDGING AT SUNDRY-NAMED PLACES ON THE NORTH RIVER.

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

THURSDAY, JANUARY 14, 1892,

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

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

The bidder to whom the award is made shall give security for the faithful performance of the contract in the manner prescribed and required by ordinance in the sum of Five Thousand Eight Hundred Dollars.

The Engineer's estimate of the quantities of material necessary to be dredged in order to secure at the premises mentioned the depth of water set opposite thereto in the specifications, is as follows:

ON THE NORTH RIVER.	
Pier at foot West Thirty-seventh street.....	24,000 cubic yards
Pier at foot West Thirty-eighth street.....	31,500 "
Pier at West One Hundred and Twenty-ninth street (north side).....	2,800 "
Bulkhead between West One Hundred and Twenty-ninth and One Hundred and Thirtieth streets.....	4,800 "
Platform foot West One Hundred and Thirtieth street and extension northerly.....	5,000 "
Pier at West One Hundred and Thirty-first street (north side).....	850 "
Bulkhead south of West One Hundred and Thirty-second street.....	2,100 "
Pier at West One Hundred and Thirty-second street (south side).....	1,000 "
Total.....	72,050 "

N. B.—Bidders are required to submit their estimates upon the following express conditions, which shall apply to and become a part of every estimate received:

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

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

The work to be done under this contract is to be commenced within five days after the date of the contract, and the entire work is to be fully completed on or before the 30th day of April, 1892, and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for the fulfillment thereof has expired, are, by a clause in the contract, fixed and liquidated at Fifty Dollars per day.

Bidders will state in their estimates a price, per cubic yard, for doing such dredging in conformity with the approved form of agreement and the specifications therein set forth, by which price the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing this work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect; and in case of failure or neglect to do so, he or they will be considered as having abandoned it, and as in default to the Corporation; and the contract will be re-advertised and relet, and so on, until it be accepted and executed.

Bidders are required to state in their estimates their names and places of residence; the names of all persons interested with them therein; and if no other person be so interested, the estimate shall distinctly state the fact; also that the estimate is made without any connection with any other person making an estimate for the same work, and that it is in all respects fair, and without collusion or fraud; and also that no member of the Common Council, head of a department, chief of a bureau, deputy thereof or clerk therein, or other officer of the Corporation, is directly or indirectly interested therein, or in the supplies or work to which it relates, or in any portion of the profits thereof; which estimate must be verified by the oath, in writing, of the party making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed to by all the parties interested.

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

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

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

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

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

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

EDWIN A. POST,
J. SERGEANT CRAM,
JAMES J. PHELAN,
Commissioners of the Department of Docks.
Dated New York, December 30, 1891.

DEPARTMENT OF DOCKS,
PIER "A," BATTERY PLACE, NORTH RIVER,
New York, December 29, 1891.

NOTICE IS HEREBY GIVEN THAT, AT A meeting of the Board governing the Department of Docks, held Thursday, December 17, 1891, Rule No. 8 of the Rules and Regulations was amended so as to read as follows:

Rule 8. No vessel of any kind shall be loaded or discharged by horse power on the North river, between Pier "A" and West Eleventh street, and on the East river, from the Battery to Grand street. No vessel of any kind shall be loaded or discharged elsewhere by horse power, or shall stones or similar cargo be discharged from any vessel upon any other pier, bulkhead or wharf structure, unless proper planking be provided to protect the surface of such pier, bulkhead or wharf structure from injury consequent upon the travel of the horse, or the unloading of stones or similar cargo thereupon, under a penalty of ten dollars a day for each horse so employed, and of twenty-five dollars for each offense of discharging such stones or like cargo, upon such pier, bulkhead or wharf structure, to be recovered from the owner, consignee, master or stevedore, of any such vessel, severally and respectively; and if such penalty be recovered for using horses, or discharging stones or similar cargo upon wharf property belonging to the Corporation, under lease, it shall be paid to the lessee thereof, but if such penalty be recovered for using horses, or discharging stones or similar cargo, upon wharf property not owned by the Corporation, it shall be paid to the owner thereof.

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

FINANCE DEPARTMENT.

NOTICE TO PROPERTY-OWNERS.

ASSESSMENT CONFIRMED BY THE SUPREME COURT, DECEMBER 16, 1891.

IN PURSUANCE OF SECTION 997 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the assessment list in the matter of acquiring title to Avenue B, between Eighty-sixth street and Harlem river, which was confirmed by the Supreme Court December 16, 1891, and entered on the 28th day of December, 1891, 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 assessment, interest will be collected thereon, as provided in section 998 of said "New York City Consolidation Act of 1882."

Section 998 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive 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 assessment is 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," Room 37, Stewart Building, between the hours of 9 A. M. and 2 P. M., and all payments made thereon on or before February 27, 1892, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per cent. per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

THEO. W. MYERS,
Comptroller.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE, JANUARY 5, 1892.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,
No. 66 THIRD AVENUE,
New York, January 5, 1892.

TO CONTRACTORS.

MATERIALS AND WORK REQUIRED FOR REPAIRS TO ROOFS, GUTTERS, ETC., INSANE ASYLUM, WARD'S ISLAND.

SEALED BIDS OR ESTIMATES FOR THE aforesaid work and materials, in accordance with the specifications and plans, will be received at the office of the Department of Public Charities and Correction, No. 66 Third Avenue, in the City of New York, until Tuesday, January 19, 1892, until 1 o'clock A. M. The person or persons making any bid or estimate shall furnish the same in a sealed envelope indorsed "Bid or Estimate for Repairs to Roofs, Gutters, etc., Insane Asylum, Ward's Island," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department and read.

The Board of Public Charities and Correction RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882.

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

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

Any bidder for this contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect; and the person or persons to whom the contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, each to the penal amount of TWO THOUSAND (\$2,000) DOLLARS.

A bidder for a contract must be known to be engaged in and well prepared for the business, and must have satisfactory testimonials to that effect, and the person or persons to whom a contract may be awarded will be required to give security for the performance of the contract by his or their bond, with two sufficient sureties, in the penal amount of fifty (50) per cent. of the ESTIMATED amount of the contract, or such specific sum as may be mentioned in the proposal.

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the supplies by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, and otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York.

No bid or estimate will be received or considered unless accompanied by either a certified check upon one of the State or National banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department

who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal, but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

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

Payment will be made by a requisition on the Comptroller, in accordance with the terms of the contract, or from time to time, as the Commissioners may determine. The forms of the contracts, including specifications, and showing the manner of payment, can be obtained at the office of the Department, and bidders are cautioned to examine each and all of their provisions carefully, as the Board of Public Charities and Correction will insist upon their absolute enforcement in every particular.

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

BOARD OF STREET OPENING AND IMPROVEMENT.

NOTICE IS HEREBY GIVEN THAT THERE will be a regular meeting of the Board of Street Opening and Improvement of the City of New York held in the Mayor's office, on Friday, January 15, 1892, at 2 o'clock P. M., at which meeting it is proposed to consider unfinished business, and such other matters as may be brought before the Board.

Dated January 13, 1892.
V. B. LIVINGSTON,
Secretary.

THE NORMAL COLLEGE OF THE CITY OF NEW YORK.

A STATED SESSION OF THE BOARD OF Trustees of the Normal College of the City of New York will be held at the Hall of the Board of Education, No. 146 Grand street, on Tuesday, January 19, 1892, at 4 o'clock P. M.

JOHN L. N. HUNT,
Chairman.
ARTHUR McMULLIN,
Secretary.
Dated NEW YORK, January 12, 1892.

POLICE DEPARTMENT.

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

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

JOHN F. HARRIOT,
Property Clerk

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 3718, No. 1. Paving Goerck street, from Grand to Third street, with granite blocks, and laying crosswalks (so far as the same is within the limits of grants of land under water).

List 3720, No. 2. Paving Beach street, from West to Washington street, with granite blocks so far as the same is within the limits of grants of land under water.

List 3724, No. 3. Paving Chambers street, from West to Greenwich street, with granite blocks and laying crosswalks so far as the same is within the limits of grants of land under water.

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

No. 1. Both sides of Goerck street, from Grand to Third street, and to the extent of half the block at the intersecting streets.

No. 2. Both sides of Beach street, from West to Washington street, and to the extent of half the block at the intersecting streets.

No. 3. Both sides of Chambers street, from West to Greenwich street, and to the extent of half the block at the intersecting streets.

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

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

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

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

DEPARTMENT OF TAXES AND ASSESSMENTS.

DEPARTMENT OF TAXES AND ASSESSMENTS,
STAATS ZEITUNG BUILDING,
NEW YORK, January 11, 1892.

IN COMPLIANCE WITH SECTION 817 OF THE New York City Consolidation Act of 1882, it is hereby advertised that the books of "The Annual Record of the Assessed Valuations of Real and Personal Estate" of the City and County of New York, for the year 1892, are open and will remain open for examination and correction until the thirtieth day of April, 1892.

All persons believing themselves aggrieved must make application to the Commissioners of Taxes and Assessments, at this office, during the period said books are open, in order to obtain the relief provided by law.

Applications for correction of assessed valuations on

personal estate must be made by the person assessed to the said Commissioners, between the hours of 10 A. M. and 2 P. M., except on Saturdays, when between 10 A. M. and 12 M., at this office, during the same period.

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

SUPREME COURT.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands required for the opening and extension of BETHUNE STREET (although not yet named by proper authority), from Greenwich street to Hudson street, in the Ninth Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 31 Chambers street (Room 4), in said city, on or before the twenty-third day of February, 1892, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said twenty-third day of February, 1892, and for that purpose will be in attendance at our said office on each of said ten days at three o'clock P. M.

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

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz: Beginning at the intersection of the new bulkhead line in the North river with the prolongation westerly of the centre line of the blocks between Bethune and West Twelfth streets; thence easterly along last-mentioned centre line and its westerly prolongation to the centre line of the block between Thirteenth avenue and West street; thence northerly along the centre line of the blocks between Thirteenth avenue and West street to the centre line of the block between West Twelfth and Jane streets; thence easterly along the centre line of the blocks between West Twelfth and Jane streets to the centre line of the block between West and Washington streets; thence northerly along last-mentioned centre line to the centre line of the block between Jane and Horatio streets; thence easterly along last-mentioned centre line to the centre line of the block between Horatio and Gansevoort streets; thence easterly along last-mentioned centre line to the centre line of the block between Hudson and West Fourth streets; thence southerly along last-mentioned centre line to the centre line of the block between Horatio and Jane streets; thence easterly along last-mentioned centre line to the line of the block between West Fourth street and Greenwich avenue; thence southerly along last-mentioned centre line to the centre line of the block between West Twelfth and Bank streets; thence easterly along last-mentioned centre line to the prolongation northerly of the centre line of the blocks between Waverley place and Greenwich avenue; thence southerly along last-mentioned centre line to the centre line of the block between Eleventh and Perry streets; thence westerly along last-mentioned centre line to the centre line of the block between Waverley place and West Fourth street; thence southerly along last-mentioned centre line to the centre line of the block between Perry and Charles streets; thence westerly along last-mentioned centre line to the centre line of the block between West Fourth and Bleeker streets; thence southerly along last-mentioned centre line to the centre line of the block between Charles and West Tenth streets; thence westerly along last-mentioned centre line to the centre line of the block between Greenwich and Washington streets; thence northerly along last-mentioned centre line to the centre line of the block between Perry and West Eleventh streets; thence westerly along last-mentioned centre line to the centre line of the block between Washington and West streets; thence northerly along last-mentioned centre line to the centre line of the block between West Eleventh and Bank streets; thence westerly along last-mentioned centre line to the centre line of the block between Thirteenth avenue and West street; thence northerly along last-mentioned centre line to the centre line of the block between Bank and Bethune streets; thence westerly along last-mentioned centre line prolonged westerly to the new bulkhead line in the North river; thence northerly along said new bulkhead line to the place or point of beginning; excepting from said area all the land included within the lines of streets, avenues and roads, or portions thereof, heretofore legally opened as such area is shown upon our benefit 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, in the City of New York, on the tenth day of March 1892, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, January 13, 1892.
WILLIAM J. LACEY, Chairman,
EDWARD F. O'DWYER,
JACOB MARKS,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title (wherever the same has not been heretofore acquired) to that part of EAST ONE HUNDRED AND SIXTY-SECOND STREET (although not yet named by proper authority), extending from Courtlandt avenue to Elton avenue, and from Brook avenue to Third avenue, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 200 Broadway (fifth floor), in the said city, on or before the 8th day of February, 1892, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 8th day of February, 1892, and for that purpose will be in attendance at our said office on each of said ten days at 1 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the 9th day of February, 1892.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by the centre line of the blocks between East One Hundred and Sixty-second street and East One Hundred and Sixty-third street, from Courtlandt avenue to Third avenue, and the prolongation easterly of said centre line to its intersection with a line parallel with and distant 100 feet easterly from the easterly line of Third avenue; easterly by a line parallel with and distant 100 feet easterly from the easterly line of Third avenue; southerly by the prolongation easterly from Third avenue of the centre line of the blocks between East One Hundred and Sixty-first street and East One Hundred and Sixty-second street to its intersection with a line parallel with and distant 100 feet easterly from the easterly line of Third avenue, and the centre line of the blocks between East One Hundred and Sixty-first street and East One Hundred and Sixty-second street, from Third avenue to Courtlandt avenue; and westerly by the easterly line of Courtlandt avenue; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit 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, in the City of New York, on the twenty-sixth day of February, 1892, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, December 23, 1891.
ROBERT E. DEVO, Chairman,
MOSES HERRMAN,
HENRY G. CASSIDY,
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to WOLF STREET (although not yet named by proper authority), extending from Union street to the Harlem river, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 200 Broadway (fifth floor), in the said city, on or before the second day of February, 1892, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said second day of February, 1892, and for that purpose will be in attendance at our said office on each of said ten days at 4 o'clock P. M.

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

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by a line commencing at a point in the United States channel line of the Harlem river, distant 100 feet northerly from the northerly line of Wolf street; running thence easterly and parallel with and distant 100 feet northerly from the northerly line of Wolf street to the easterly line of Sedgwick avenue; thence southeasterly and parallel with the northerly line of Wolf street and distant 100 feet northeasterly therefrom to the westerly line of Ogden avenue; thence southerly and along said westerly line of Ogden avenue to the northerly line of Union street; thence westerly along said northerly line of Union street to a point distant 100 feet southwesterly from the southerly line of Wolf street; thence northwesterly and parallel with and distant 100 feet southwesterly from the southerly line of Wolf street to the southerly line of Sedgwick avenue; thence westerly and parallel with and distant 100 feet southerly from the southerly line of Wolf street to the U. S. Channel line of the Harlem river; thence northerly and along said U. S. Channel line of the Harlem river to the point or place of beginning; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit map deposited as aforesaid.

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

Dated NEW YORK, December 22, 1891.
CHARLES W. DAYTON, Chairman,
DENIS A. SPELLISSY,
LAMONT McLOUGHLIN,
Commissioners.

CARROLL BERRY, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to EAST ONE HUNDRED AND SIXTY-SEVENTH STREET, from Prospect avenue to Westchester avenue, in the Twenty-third Ward of the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands affected thereby, and

having objections thereto, do present their said objections in writing, duly verified, to us at our office, No. 51 Chambers street (Room 4), in said city, on or before the second day of February, 1892, and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said second day of February, 1892, and for that purpose will be in attendance at our said office on each of said ten days at 3 o'clock P. M.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates and other documents used by us in making our report, have been deposited with the Commissioner of Public Works of the City of New York, at his office, No. 31 Chambers street, in the said city, there to remain until the 4th day of February, 1892.

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.:

Northerly, from Prospect avenue to Intervale avenue by a line parallel to East One Hundred and Sixty-seventh street and 200 feet northerly therefrom; thence by an irregular line through the centre of the blocks between Intervale avenue and One Hundred and Sixty-ninth street and East One Hundred and Sixty-seventh street to East One Hundred and Sixty-ninth street; thence westerly by the centre line of the block between Fox street and Simpson street to the centre line of the block between Home street and East One Hundred and Sixty-ninth street; thence northerly by the centre line of the block between Vyse street and West Farms road; thence westerly by the centre line of the block between Vyse street and West Farms road to the centre line of the block between Home street and East One Hundred and Sixty-seventh street; thence northerly by the last-mentioned centre line and the centre line of the block between Home street and East One Hundred and Sixty-seventh street to Westchester avenue; easterly by the westerly line of Westchester avenue to the centre line of the block between East One Hundred and Sixty-seventh street and Hoe street; thence westerly by a line drawn at a right angle to East One Hundred and Sixty-seventh street to a line drawn parallel to East One Hundred and Sixty-seventh street and 170 feet southerly therefrom; southerly by last mentioned line to the easterly line of West Farms road; thence by the centre line of the blocks between Westchester avenue, West Farms road and East One Hundred and Sixty-fifth street and East One Hundred and Sixty-seventh street to Stebbins avenue; thence by said centre line prolonged westerly to the westerly line of Prospect avenue; westerly by the westerly line of Prospect avenue; excepting from said area all the streets, avenues and roads, or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit 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, in the City of New York, on the 10th day of February, 1892, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, December 18, 1891.
JOHN H. ROGAN, Chairman,
HENRY WINTHROP GRAY,
SAMUEL W. MILLBANK,
Commissioners.

JOHN P. DUNN, Clerk.

In the matter of the application of the Board of Street Opening and Improvement of the City of New York, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to LIND AVENUE (although not yet named by proper authority), extending from Devoe street to Sedgwick avenue, in the Twenty-third Ward of the City of New York, as the same has been heretofore laid out and designated as a first-class street or road by the Department of Public Parks.

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

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

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

Third—That the limits of our assessment for benefit include all those lots, pieces or parcels of land situate, lying and being in the City of New York, which taken together are bounded and described as follows, viz.: Northerly by the southerly line of a certain unnamed street and the northerly line of Devoe street; easterly by the centre line of the block between Summit avenue, Lind avenue and Sedgwick avenue, and Devoe street and Anderson avenue; southerly by a line drawn perpendicular to the southern extremity of the most southerly line of the western boundary of the land to be acquired for the opening of Lind avenue; westerly by Sedgwick avenue and the centre line of the block between Lind avenue, Sedgwick avenue and a certain unnamed street; excepting from said area all the streets, avenues and roads or portions thereof, heretofore legally opened, and all the unimproved land included within the lines of streets, avenues, roads, public squares and places shown and laid out upon any map or maps filed by the Commissioners of the Department of Public Parks, pursuant to the provisions of chapter 604 of the Laws of 1874, and the laws amendatory thereof, or of chapter 410 of the Laws of 1882, as such area is shown upon our benefit map deposited as aforesaid.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, in the City of New York, on the 10th day of February, 1892, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated NEW YORK, December 18, 1891.
WILLIAM B. ELLISON, Chairman,
JAMES C. LALOR,
ADOLPH G. HUFFEL,
Commissioners.

JOHN P. DUNN, Clerk.

THE CITY RECORD.

THE CITY RECORD IS PUBLISHED DAILY, Sundays and legal holidays other than the general election day excepted, at No. 2 City Hall, New York City. Price, single copy, 3 cents; annual subscription, \$9.30.

W. J. K. KENNY,
Supervisor.