

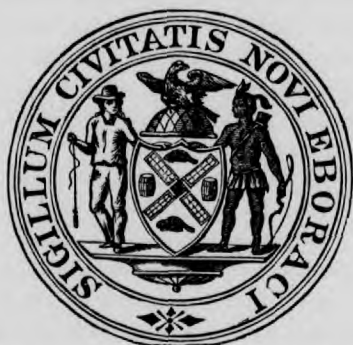
# THE CITY RECORD.

## OFFICIAL JOURNAL.

VOL. VII.

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### DEPARTMENT OF PUBLIC WORKS.

#### Report for the Quarter ending September 30, 1879.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 19, CITY HALL,  
NEW YORK, November 10, 1879.

Hon. EDWARD COOPER, Mayor :

SIR—I have the honor to submit to you herewith a report of the transactions of this Department for the three months ending September 30, 1879.

#### SUMMARY OF EXPENDITURES.

On account of appropriations raised by taxation.....	\$426,873 71
On account of assessment fund for street improvements.....	85,651 23
On account of funded debt for improvement and extension of water supply.....	87,328 84
Total.....	\$599,853 78

#### Expenditures for the Corresponding Quarter for the past Six Years.

Third quarter of 1874.....	\$1,907,056 13
" 1875.....	1,720,026 45
" 1876.....	1,132,657 75
" 1877.....	865,443 58
" 1878.....	738,574 76
" 1879 (as above).....	599,853 78

#### Expenditures for the First Nine Months for the past Six Years.

Nine months ending September 30, 1874.....	\$5,519,120 87
" " 1875.....	4,181,388 79
" " 1876.....	3,413,340 16
" " 1877.....	2,186,757 40
" " 1878.....	1,989,289 13
" " 1879.....	1,431,000 76

The payments for the past nine months are somewhat lessened by the delay in getting the repaving works under way, but the total expenditures for the year 1879 will not exceed \$2,000,000, which is \$860,000 less than last year, when the expenditures of the Department were less than in any preceding year since its organization.

#### BUREAU OF CHIEF ENGINEER.

##### The Croton Basin.

The rain-fall in the Croton basin has been more abundant during the quarter than for the same period of the three preceding years. In July it was 5 95-100 inches, in August, 5 83-100 inches, and in September, 3 43-100 inches, making a total of 15 21-100 inches. The rain-fall for the same three months in 1876 was 9 83-100 inches; in 1877, 8 68-100 inches; and in 1878, 13 55-100 inches. The summer rains generally come in heavy showers of short duration, and in the intervals between them the moisture in the earth is rapidly absorbed, and the volume of streams diminished. It was thus necessary to draw upon the storage reservoirs during 19 days in July and 18 days in August, when the volume of the Croton river was not sufficient to fill the aqueduct.

At the close of the quarter the natural lakes tributary to the city's water supply were all filled, and the water in the two storage reservoirs was within a few inches of the overflow. Some work on the retaining walls of the Boyd's Corners reservoir makes it necessary to keep the water six inches below the overflow for the present.

The work of sodding the top and face of the dam of the new reservoir on the middle branch of the Croton has been completed, and is in very good condition, the plentiful rains having favored the growth of the grass. Contracts have been made, and work commenced, for building a keeper's house, retaining walls, culverts, etc., at the Boyd's Corners reservoir, and for rebuilding the abutments of a bridge below the reservoir, which had been injured by freshets.

The channel of the Muscoot river, which is the outlet of Lakes Mahopac and Kirk, and one of the principal confluent of the Croton, has been deepened several feet for a distance of one and a half miles through a swamp, where the stream had become almost stagnant.

##### The Aqueduct.

The work of strengthening the aqueduct, according to the plans heretofore described in the reports of the Department, has been carried on with a considerable force. A total of 2,383 lineal feet of the structure has thus been rendered secure during the past three months, and many leaks

stopped. In repairing an embankment near the Croton dam, a large leak was found in the bottom of the aqueduct, rendering it necessary to shut off the aqueduct while making the repairs.

The general repairs and maintenance of the structure during the quarter include the following items :

- Removing 1,831 lineal feet of surplus earth covering from the top of the aqueduct to the sides.
- Building 50 cubic yards protection wall.
- Placing new planking on the apron of the Croton dam.
- Quarrying 725 cubic yards of stone.
- Resetting 281 lineal feet of curb and 1,900 square feet of flagging over the aqueduct in the City of Yonkers.

##### Distribution of Water.

During the quarter the following amount of water-pipes was added to the distributing system :

- 1,700 lineal feet 36-inch pipe.
- 100 lineal feet 20-inch pipe.
- 3,617 lineal feet 12-inch pipe.
- 16,552 lineal feet 6-inch pipe.

Total 21,969 lineal feet of pipe, or 4 16-100 miles. In connection with these new pipes, and on the request and recommendation of the Fire Department, 210 new fire-hydrants were placed in position.

The condition of the appropriation made it necessary to reduce the force of Inspectors for the detection of waste of water in buildings. The number of buildings visited during the quarter is 3,199, and the number of leaks and cases of willful waste detected is 650.

Notices were served on 660 establishments, requiring the proprietors to apply water meters to their premises, and 313 new meters were placed, as follows :

On hotels.....	138
On breweries.....	67
On railroads.....	64
On slaughter-houses.....	15
On malt houses.....	9
On stables.....	7
On miscellaneous places.....	13

Some of the largest consumers of water, since they are required to use meters, have resorted to wells and salt water for a part of their supply. If the introduction of meters should lead to any considerable use of well or salt water, it might be considered as one of the most desirable results of the meter system, in lessening to an appreciable extent the draft upon the Croton water service, and improving the pressure throughout the city.

During the quarter the Central Park reservoir gained three feet in depth, the gain occurring on Sundays and rainy days. On working days the average consumption is fully equal to the capacity of the aqueduct.

According to the progress so far made in the construction of the new high service works at Ninth avenue and Ninety-eighth street, the works will be completed during the coming winter, so as to be available for use next spring. The foundations and tank have been completed; the work on the stand-pipe and building is well advanced, and the construction of the pumping machinery has also been commenced.

##### New Conduit from the Bronx.

In my last quarterly report a detailed statement was presented of the plans and estimates for procuring an additional supply of water from the Bronx river valley, including the Rye ponds, and possibly from the Byram river valley. The Engineers have been steadily employed during the past quarter in making a definite location of the proposed works, and in ascertaining the boundaries of lands required for the city's use, in order that the same may be purchased by the Department as authorized by law, or in case of failure to agree with the proprietors, that application may be made to the Supreme Court for the appointment of Commissioners to determine the fair and just value of the required lands and property. In view of the increased demand for water in the city, arising from the improvement of business and rapid growth of population, it is very important that the proposed new conduit and its accessory works of storage and receiving reservoirs should be completed at the earliest possible day. With the reinforcement thus to be obtained, and the suppression of waste by the application of meters to business establishments, and the control of the use of water in private houses within the bounds of sufficient and even liberal quantities, a decided improvement will be effected in the supply and pressure throughout the city.

I have heretofore called attention to the necessity of additional legislation, whereby either the Department of Public Works or the Department of Buildings shall be empowered to prescribe and enforce the manner in which service pipes shall be placed and protected against frost, not only in new buildings but also in those now in use. One great cause of waste, as I have frequently pointed out, is the practice, on the approach of winter, of opening faucets and allowing water to run, especially during the night, to prevent its freezing in the pipes. The evil thus caused during the past long and severe winter was so great that the consumption (or rather the waste) was so far beyond the supply furnished by the aqueduct, though running to its maximum capacity, that the city reservoirs were reduced ten or twelve feet below their proper level. I again suggest that the next legislature be asked to pass a law which shall put a stop to the evil alluded to. All citizens are interested in this matter, and cannot or should not complain of a requirement which, at a trifling cost, will confer great benefit upon themselves, as well as upon the city at large.

#### BUREAU OF WATER PURVEYOR.

The resolution to authorize the repaving of streets, as recommended and certified in my letter to the Board of Aldermen of March 4th, ult., was passed by the Board on the 8th of July, and approved by the Mayor on the 12th of July. The work was divided into ten contracts, and at once advertised for public letting. The bids were received and opened on the 25th of July. Three of the contracts had to be relet, one on the 3d of September, and two on the 11th of September, because the successful bidders did not furnish sureties satisfactory to the Comptroller. It is gratifying to be able to state that, after these long delays in obtaining the authority to proceed with these works, and in the pre-



liminaries for placing them under contract, they are all now under way, and several of them are nearly completed. With a continuance of favorable weather there is a fair prospect that they will all be completed this season.

An average force of 250 men and 55 carts has been employed during the quarter in the ordinary repairs of pavements throughout the city. A considerable amount of repairs has also been done by contract, in places where it was deemed advisable to relay or renew the pavement for entire blocks of streets.

The maintenance of the Boulevard roadways has received such attention as the appropriation would permit. The cost of sprinkling these roadways comprises more than one-third of the expenditure for maintenance.

#### BUREAU OF STREET IMPROVEMENTS.

During the quarter the following contracts for regulating and grading streets were completed :

Twelfth avenue, from One Hundred and Thirtieth to One Hundred and Thirty-third street.

Elm street, from Pearl to Worth street.

Forty-second street, from Second avenue to East river.

Work is in progress on eleven other contracts for grading streets ; on the retaining walls, arch, etc., in East Forty-second street ; and on the improvement of the Fort Gansevoort property for market purposes.

The following are the principal quantities of work done under the direction of this Bureau :

11,827 cubic yards rock excavated.

1,726 " " earth " "

118,580 " " filling put in embankment.

6,681 lineal feet curb stone set.

1,681 " " gutter stone set.

12,637 square feet flagging laid.

531 cubic yards masonry built.

8,400 square yards pavement laid (on Gansevoort property).

404 lineal feet picket fence built.

#### BUREAU OF SEWERS.

The additions made to the sewerage system during the quarter comprise—

4,205 lineal feet of sewers.

186 " " culverts.

6 receiving basins.

The repairs of sewers for the quarter include the following items :

25 lineal feet of new sewer built.

340 " " sewers rebuilt.

117 " " culverts rebuilt.

99 " " spur pipe laid.

8 receiving-basins rebuilt.

63 " " repaired.

2 manholes rebuilt.

112 " " repaired.

64 new manhole frames, 88 new manhole covers, and 14 new basin covers furnished and set.

1,615 square yards of pavement, and 876 square feet of sidewalk relaid.

In cleaning the sewers and basins 2,694 cart loads of dirt were removed.

A contract has been entered into for the construction of the first section of the contemplated system of collective sewers along the river fronts, which was alluded to in my report for the last quarter of 1878, and more fully described in the report of Mr. Towle, the Engineer in Charge of Sewers, for that quarter. This section extends from the foot of Canal street to the foot of West Eleventh street, where the improvements of the Dock Department are sufficiently advanced to admit of the construction of the sewer. The sewer is located in West street, with only two outlets, at West Eleventh street and Clarkson street, and will receive the sewage of all the intersecting streets, from Broadway, westward, draining an area of 641 acres. The outlets will be extended to the tidal currents, insuring the rapid removal and dissemination of the sewage, which, under the old system of outlets, defiles the water in the slips and basins, and causes deposits which have to be removed by frequent dredging.

#### BUREAU OF STREETS.

The unpaved streets and the country roadways in the upper part of the city have been kept in proper repair, and those which are most frequented by local and pleasure travel, such as Kingsbridge road, McComb's Dam lane, Fifth avenue, from Ninetieth street to Mount Morris ; Tenth avenue, from One Hundred and Forty-third to One Hundred and Fifty-fifth street, and others, are sprinkled daily during dry weather.

#### CONTRACTS FOR PUBLIC WORKS.

Economical as is the method of carrying on the public works by contract, yet there are some defects in existing laws upon this subject which should be remedied by proper legislation. The provision that the work should be let to the lowest bidder cannot and should not be altered, because of the danger of favoritism and collusion, although it sometimes leads to delays, and the necessity of reletting the work, through the failure of contractors to execute a contract, and sometimes to the necessity of declaring the work abandoned or forfeited for non-compliance with the specifications in respect to the character of the work, the time of completion, etc. We have recently had cases which will show the difficulty we labor under according to existing laws in the expeditious prosecution of work under certain circumstances.

The work of regulating and grading Sixty-second street, between Tenth and Eleventh avenues, was advertised and put under contract in June, 1876. The contractor, after doing a certain amount of the work, failed to proceed with diligence, and it was declared abandoned in May, 1878 ; thirty per cent. of the value of the work done being retained as security by the city. The remainder of the work was relet in August, 1878 ; the sureties were approved by the Comptroller, but the contractor refused or neglected to sign a contract. The work was again relet in May, 1879, but the sureties were not approved by the Comptroller. The same work was again relet in September, 1879, but the sureties were not found sufficient. It has been again relet in October, 1879, but has not yet been awarded by this Department to the lowest bidder, as I have reason to believe that such bid is bogus,

and made in the interest of the person who had the original contract, and who, I believe, has been the instigator of the four fictitious bids since the abandonment of the contract in 1878. Under the advice of the Corporation Counsel, I have felt bound to make the awards as above detailed, as we could not show the bids to be fictitious. In the case of the last letting I have evidence that the lowest bid was not made in good faith, and we shall be at liberty to award the work to the next lowest bidder, and thus probably have it completed without further delay. I propose to lay the case before the Corporation Counsel, with reference to the indictment of the person or persons engaged in this matter, as guilty of conspiracy and perjury.

Another case is as follows : During the past summer several paving jobs were advertised, and on opening the bids it was found that a person hitherto unheard of was the lowest bidder for nearly all the work, the prices being far below the fair value. This bidder failed to have his sureties approved, and, therefore, never executed a contract, according to the best attainable information (although it could probably not be legally proved), this bid was made in the interest of a contractor who had a large job of paving at low rates partly completed, but who feared a sudden demand for stone blocks, by reason of the additional work, would cause an increase of price to his detriment.

As a general rule our present contractors are reputable men, but there are some who are not entitled to such commendation. It seems to me that a deposit of money, moderate in amount, might be properly demanded of all bidders, as a condition on which their bids are to be received and opened ; or, at all events, from the lowest regular bidder immediately on the acceptance of his bid. This would have the effect of excluding mere adventurers, and would be the means of attracting solid men, who now decline to enter into competition with those who are without responsibility.

#### BUREAU OF LAMPS AND GAS.

The number of public lamps was increased by the addition of 209 new lamps. The total number of lamps now in use in the streets, parks, and public places of the city is 22,821.

The tests of the gas used in public lamps for the past three months continue to show satisfactory results, the illuminating power being equal to the requirements of the contracts with the several gas companies.

#### BUREAU OF REPAIRS AND SUPPLIES.

The care and repairs of the several public buildings and offices received proper attention.

A contract has been made for another new free floating bath, which will increase the number of free public baths in the city to eight.

The total attendance at the seven baths in use during the season was 2,881,279, of which 1,028,569 were females.

For detailed statements of the work done in this and other Bureaux, I respectfully refer to the quarterly reports of the Bureau officers, which are herewith transmitted.

#### BUREAU OF INCUMBRANCES.

There were issued by this Bureau—

1,602 permits to place building material on streets.

85 miscellaneous permits.

9 permits to cut down shade trees.

1,740 notices to remove obstructions.

42 notices to repair sidewalks.

The Bureau made 97 seizures of merchandise, stands, wagons, and other articles incumbering streets, and removed 390 cart loads of refuse materials from streets.

The number of notices to remove obstructions, and of seizures of articles, is more than double that of last quarter. This increase is due to the greater scope given to this branch of the Department by a recent decision of Judge Van Vorst of the Supreme Court, mainly in reference to the power of the Department to remove incumbrances in the neighborhood of Washington Market, but incidentally covering the general question of encroachments. Immediately after the decision of the Court the streets about Washington Market were cleared, and now present a greatly improved appearance.

The surroundings of the other city markets have also been improved. When the new open market at Gansevoort street, which is now completed, shall be brought into use for market wagons, according to its design, the streets near Washington Market and some of the other city markets will be much relieved, though it will probably take some time before the long established habits of vendors and purchasers can be radically changed.

This Department has had the aid of the Police force in enforcing the law, as recently expounded by the Supreme Court, and we must continue to rely in good measure upon such aid, as the appropriation for the Bureau of Incumbrances is very small.

There are yet two or three injunction cases against the Department pending in the Supreme Court. One of these touches the important question of the right to permit the erection of booths in the middle of a street or place, for the sale of eatables, etc. According to my view of the law no such right exists, and as the obstructions are altogether unsightly and inconvenient, I shall hope for such action of the Court as will lead to their removal, and to the prevention of similar erections in the future.

#### BUREAU OF WATER REGISTER.

The receipts for water rents, penalties, and permits to tap Croton pipes, for the quarter, are \$799,335.76.

And for the nine months ending September 30, 1879, \$1,382,822.07.

This is an increase of \$80,424.74 over the receipts for the corresponding nine months of last year. It is estimated that the total revenue from water rents, etc., for the year 1879, will reach to \$1,700,000, or nearly \$100,000 in excess of 1878, and more than \$200,000 in excess of 1877.

The total revenue now collected by the Department of Public Works, from all sources, and paid into the Sinking Fund, is about \$1,750,000 per annum. This amount will probably be increased (with faithful supervision) to two millions per annum in five years' time, and will continue to increase regularly thereafter, so that these contributions alone, under the operation of the Sinking Fund, will extinguish the entire debt of the city in twenty to twenty-five years from this time.

Respectfully,

ALLAN CAMPBELL, Commissioner of Public Works.



## Document "A."

Showing Titles of Appropriations; Balances of 1878 on October 1, 1879; Appropriations and Transfers for 1879; Requisitions, First Six Months of 1879; Requisitions, Third Quarter of 1879; Balances of 1879 on October 1, 1879; and the Titles and Conditions of the "Trust Accounts."

TITLES OF APPROPRIATIONS.	Balances of 1878, on October 1, 1879.	Appropriations and Transfers for 1879.	Requisitions, First Six Months of 1879.	Requisitions, Third Quarter of 1879.	Balances of 1879, on October 1, 1879.
Aqueduct—Repairs and Maintenance.....	\$4 22	\$112,000 00	\$39,368 82	\$33,367 03	\$39,264 15
Aqueduct—Repairs and Maintenance—Salaries.....	13 76	13,760 00	6,813 66	2,293 32	4,653 02
Boulevard, Roads, and Avenues—Maintenance.....	31 91	31,000 00	15,748 30	10,323 98	4,927 72
Boulevard, Roads and Avenues—Maintenance—Salaries.....		4,000 00	1,731 04	609 81	1,659 15
Bridge across Fourth avenue at One Hundred and Sixteenth street.....		17,500 00			17,500 00
Contingencies—Department of Public Works.....	71 05	2,500 00	474 55	457 37	1,628 08
Expenses—Altering Map of City west of Eighth avenue.....		2,000 00		339 97	1,660 03
Expenses—Grading, Paving, etc., Fort Gansevoort Property.....		25,000 00		10,137 94	14,862 06
Expenses—Providing Supply Water for Twenty-fourth Ward.....		12,500 00			12,500 00
Flagging Sidewalks and Fencing Vacant Lots, etc.....	18 01	1,000 00	592 79	260 18	147 03
Free Floating Baths.....	12 72	2,500 00	484 11	859 19	1,156 70
Free Floating Baths—Additional.....		4,446 82	1,206 23	2,976 26	264 33
Free Floating Baths—Battery.....		9,500 00	230 30	8,424 94	844 76
Free Floating Baths—Foot of East Seventeenth street.....		9,000 00			9,000 00
Free Floating Baths—Salaries.....		11,000 00	1,132 50	5,774 94	4,092 56
Lamps and Gas—Salaries.....	8 03	483,000 00	197,232 03	113,787 33	171,980 64
Public Buildings—Construction and Repairs.....	73 48	33,000 00	2,156 00	1,508 00	2,336 00
Public Buildings—Construction and Repairs—Salaries.....		2,000 00	931 50	300 00	759 50
Public Drinking Hydrants.....	78	4,000 00	1,900 47	1,809 19	2,290 34
Removing Obstructions in Streets and Avenues.....	1 77	1,500 00	409 05	416 50	674 45
Removing Obstructions in Streets and Avenues—Salaries.....		2,000 00	875 00	570 00	555 00
Repairing and Renewal of Pipes, Stop-cocks, etc.....	8 95	68,500 00	31,693 70	20,088 74	16,717 56
Repairing and Renewal of Pipes, Stop-cocks, etc—Salaries.....		25,000 00	14,508 78	5,455 67	5,035 55
Repairs and Renewal of Pavements.....	212 78	156,000 00	60,153 53	82,353 59	13,492 88
Repaving, under chapter 476, Laws 1875.....	33,793 20				
Repaving Streets and Avenues, under chapter 476, Laws 1875.....		300,000 00	7 24	23,672 30	277,320 46
Repaving, under chapter 476, Laws 1875—Salaries.....		6,000 00	969 17	986 48	4,044 35
Roads and Avenues and Sprinkling.....	11 58	18,000 00	5,025 03	7,902 73	4,471 04
Salaries—Department of Public Works.....	85 57	92,000 00	42,225 93	22,566 68	27,204 39
Sewers—Repairing and Cleaning.....	66 59	52,500 00	21,779 32	16,228 94	14,491 74
Sewers—Repairing and Cleaning—Salaries.....		8,800 00	2,838 50	2,641 18	3,260 32
Sewerage System—Salaries.....		4,700 00		1,682 84	3,017 16
Street Improvements—For Street Signs, etc.....	72 00	1,000 00	228 66		771 34
Supplies for and Cleaning Public Offices.....	42 96	60,234 00	32,165 59	11,658 50	16,409 91
Supplies for and Cleaning Public Offices—Salaries.....		15,366 00	8,170 80	2,433 72	4,761 48
Supplying Water to Shipping—Salaries.....	10 00	8,000 00	3,970 50	1,203 54	2,825 06
Wells and Pumps—Repairing and Cleaning.....	41 36	1,500 00	82 03	95 88	1,321 09
Croton Water-main Fund—From Taxation.....		150,000 00			150,000 00
Totals.....	\$34,566 96	\$1,756 806 82	\$505,153 90	\$402,920 91	\$848,722 01

## TRUST ACCOUNTS.

	Amounts authorized by Board of Estimate and Appropriation.	Amount called for by Commissioner of Public Works.	Amounts expended to January 1, 1879.	Amounts of Requisitions, First Six Months of 1879.	Amounts of Requisitions, Third Quarter, 1879.	Amount to Credit, October 1, 1879.
Additional Alterations Aqueduct, Ninety-third to One Hundred and Thirtieth street.....	\$3,554,000 00	\$3,600,000 00	\$3,596,740 09	\$3,089 40		\$170 51
Additional Alterations Aqueduct, One Hundred and Eighteenth to One Hundred and Forty-second street.....	65,165 57	100,000 00	57,515 93			42,484 07
Boulevard, Roads, etc.—Assessment Fund.....				13,950 81	\$8,395 24	
Croton Water Fund.....	1,310,000 00	1,460,000 00	1,279,065 79	10,032 68	14,896 91	147,004 62
Croton Water-main Fund.....	3,625,000 00	3,750,000 00	3,702,957 83		47,042 20	
Croton Water-main Fund, No. 2.....	1,338,000 00	1,488,000 00	1,140,384 97	78,738 03	75,609 96	193,267 04
Meter Stock.....	11,500 00	25,000 00	10,106 98	372 80	372 80	14,520 22
Street Improvement Fund.....				140,451 13	73,704 16	

C. T. McCLENACHAN, First Bookkeeper.

## Document "B."

A Statement in detail of the Liabilities incurred by the Department of Public Works, for which Requisitions were made on the Comptroller, during the Quarter ending September 30, 1879.

## APPROPRIATIONS.

Aqueduct—Repairs and Maintenance—	
Brick, cement and sand.....	\$2,614 50
Building stone.....	200 00
Coal.....	2,437 25
Illuminating covers.....	118 50
Lumber.....	1,170 30
Oil.....	253 60
Pay-rolls.....	24,711 76
Plants.....	49 75
Plumbing.....	43 71
Repairing iron work.....	50 11
“ roof.....	19 71
“ tools.....	288 80
Rubber hose.....	21 50
Supplies.....	52 20
Taxes.....	101 86
Traveling expenses.....	149 57
Tools.....	783 16
Wagon and harness.....	300 75
Total.....	\$33,367 03
Aqueduct—Repairs and Maintenance (Salaries)—	
Pay-rolls.....	\$2,293 32
Boulevard, Roads, and Avenues, Maintenance of—	
Clay and sand.....	\$1,552 29
Horsekeeping.....	89 41
Lumber.....	40 76
Pay-rolls.....	8,530 17
Repairing tools.....	40 85
Supplies.....	31 75
Tools.....	38 75
Total.....	\$10,323 98

## Boulevard, Roads, and Avenues, Maintenance of (Salaries)—

Pay-rolls.....	\$609 81
Contingencies—Department of Public Works—	
Incidentals.....	\$200 00
Traveling expenses.....	257 37
Total.....	\$457 37
Expenses—Altering Maps, City of New York—	
Lumber.....	\$21 06
Pay-rolls.....	318 91
Total.....	\$339 97
Expenses—Grading, Paving, etc., Fort Gansevoort Property—	
Paving, etc.....	\$9,828 94
Pay-rolls.....	309 00
Total.....	\$10,137 94
Flagging and Fencing City Property—	
Market, Jefferson—Flagging.....	\$8 62
“ Washington—“.....	251 56
Total.....	\$260 18
Free Floating Baths—	
Anchor, chain, etc.....	\$328 39
Building bath.....	6,498 00
“ bridge.....	791 66
Gas-fitting.....	36 89
Pay-rolls.....	714 00
Plumbing repairs.....	43 19
Repairing baths.....	391 71
Storing.....	207 00
Supplies.....	183 29
Total.....	\$9,284 13
Free Floating Baths (Salaries)—	
Pay-rolls.....	\$5,774 94
Free Floating Baths (Additional)—	
Gas-fitting.....	\$88 59
Pay-rolls.....	1,602 00
Repairing baths.....	571 27
Storing.....	602 00
Supplies.....	112 40
Total.....	\$2,976 26
Lamps and Gas—	
Building foundation for ornamental lamp.....	\$26 00
Chemicals.....	211 50
Crossheads and bolts.....	283 75
Gas-fitting.....	71 14
Glass.....	92 50
Glass street signs.....	490 00
Granite base.....	47 00
Lamps.....	3,495 00
Lamp globes.....	900 00
“ irons.....	216 00
“ posts.....	1,894 25
Laying gas-mains.....	425 00
Lighting Armory, Third Regiment.....	14 25
“ Fifth.....	35 15
“ Seventh.....	34 39
“ Eighth.....	17 04
“ Ninth.....	118 37
“ Eleventh.....	34 20
“ Twelfth.....	36 86
“ Twenty-second Regiment.....	210 14
“ Sixty-ninth.....	32 68
“ Seventy-first.....	51 87
“ Battery “B,” Artillery.....	5 89
“ “K,” Cavalry.....	3 42
“ Separate Troop “A”.....	15 01
“ “B”.....	12 73
Lighting Bath, Battery.....	23 11
“ Bethune street.....	34 01
“ Gouverneur street.....	38 38
“ Fifth street.....	31 92
“ Thirty-fifth street.....	21 75
“ Thirty-seventh street.....	27 71
“ One Hundred and Fourteenth street.....	29 60
Lighting Brown Stone Building.....	21 47
“ City Hall.....	415 15
“ County Jail.....	338 58
“ Court, Marine.....	4 75
“ “ Special Sessions.....	1 14
“ “ Civil, Second District.....	13 49
“ “ Fourth.....	1 90
“ “ Fifth.....	1 90
“ “ Sixth.....	95
“ “ Eighth.....	3 23
“ “ Ninth.....	80
“ Police, First.....	183 54
“ “ Second.....	32 49
“ “ Third.....	33 25
“ “ Fourth.....	24 78
“ “ Fifth.....	5 00
“ Court-house, Third.....	3 61
“ New.....	636 50
Department of Buildings.....	4 37
Engine-house, High Bridge.....	88 80
Market, Catharine.....	43 70
“ Centre.....	170 43
“ Clinton.....	175 94
“ Essex.....	72 96
“ Fulton.....	310 08
“ Jefferson.....	74 86
“ Tompkins.....	83 41
“ Union.....	40 47
“ Washington.....	431 49
Office of Collector of Arrears of Personal Taxes.....	76
“ Corporation Attorney.....	31 16
“ Engineers, Boulevard.....	20
“ Receiver of Taxes.....	74 48
Photometrical Rooms.....	21 53
Rivington Street Yard.....	1 14
South Gate House.....	8 40
Streets, Central Gas-light Co.....	19,506 99
“ Harlem.....	19,953 52
“ Manhattan.....	20,981 72
“ Metropolitan.....	12,737 49
“ New York.....	10,975 00
“ N. Y. Mutual.....	3,382 29



Lamps and Gas—	
Lighting Streets, Northern Gas-Light Co. ....	\$12,343 31
“      “      Yonkers “ .....	539 03
Maps of the City of New York .....	234 00
Pay-rolls .....	304 00
Photometer, etc. ....	173 00
Rent of Offices .....	162 50
Supplies .....	88 83
Traveling expenses .....	78 50

Lamps and Gas (Salaries)—	
Pay-rolls.....	\$1,508 00

Public Buildings—Construction and Repairs—		
Armory, Battery "K," Artillery.....		\$224 98
" Troop "A," Cavalry.....		96
" " "B," ".....		6 00
" Fifth Regiment.....		8 10
" Seventh ".....		6 24
" Twelfth ".....		18 40
" Twenty-second Regiment.....		1 80
" Seventy-first ".....		4 20
Brown Stone Building.....		115 15
Bureau of Repairs and Supplies.....		272 69
City Arsenal.....		97 00
City Hall.....	2,568	04
City Prison.....	345	36
County Jail.....	745	04
Court, Civil, First District.....	201	60
" " Fourth ".....	1	44
" " Fifth ".....	37	10
" " Sixth ".....	5	11
" " Eighth ".....	1	32
" " Ninth ".....	68	99
" Police, Third ".....	17	26
Court-house, New.....	1,453	80
" Third District.....	1,340	82
" Seventh ".....	250	01
" Ninth ".....	31	75
Department of Buildings.....		8
Dog Pound.....	241	95
Little West Twelfth street and Tenth avenue.....	25	51
Market, Catharine.....	205	00
" Centre.....	67	54
" Clinton.....	62	20
" Essex.....	282	67
" Fulton.....	1,305	70
" Jefferson.....	295	93
" Tompkins.....	2	82
" Union.....	163	88
" Washington.....	14	55
Register's Office.....	103	40

Public Buildings—Construction and Repairs (Salaries)—	
Pay-rolls.....	\$309 00

Public Drinking Hydrants—	
Fountains.....	\$396 00
Repairing hydrants.....	1,413 19
Total.....	<u>\$1,809 19</u>

Removing Obstructions in Streets and Avenues—	
Trucking and labor.....	\$416 50

Removing Obstructions in Streets and Avenues (Salaries)—	
Pay-rolls.....	\$570 00

Repairing and Renewal of Pipes, Stop-cocks, etc.—	
Castings.....	\$45 81
Cement.....	12 50
Coal and coke.....	41 50
Galvanized pipe.....	171 48
Horse-keeping.....	97 38
Horseshoeing.....	26 36
Hydrant boxes.....	500 00
“ screws.....	175 00
Iron and steel.....	147 68
Oil.....	60 30
Paint.....	23 25
Pay-rolls.....	14,738 48
Repairing damages.....	95 71
“ hydrants.....	375 02
“ tester.....	320 34
Stop-cocks, hydrants, and boxes.....	2,965 50
Supplies.....	211 86
Tools.....	74 59

Repairing and Renewal of Pipes, Stop-cocks, etc. (Salaries)—	
Pay-rolls.....	\$5,455 67

Repairs and Renewal of Pavements—		
Belgian blocks.....		\$8,468 75
Bridge stone.....		2,568 93
Oil.....		50 00
Pay-rolls.....		54,080 45
Relaying crosswalks.....		1,860 00
“ pavement.....		7,268 33
Repairing “.....		2,252 43
“ tools.....		754 70
Sand.....		5,050 00
Total.....		\$82,353 59

Repaving, under Chap. 476, Laws of 1875—	
New and Church streets, T. Gearty.....	\$4,636 80
Twenty-first, Twenty-sixth, Thirty-seventh, and Forty-fifth streets, O. Fitzpatrick,	5,600 00
Seventh avenue, between Forty-ninth and Fifty-ninth streets, L. W. Johnson.....	12,435 50

Repaving, under Chap. 476, Laws of 1875, for 1878—	
Second avenue, between Twenty-third and Forty-second streets, J. Pollock .....	\$7,104 30
Fifth avenue, between Fifty-ninth and Seventy-second streets, J. R. Byron .....	3,065 73
Madison, Market, and Clinton streets, J. Slattery .....	1,804 33
Pearl and Water streets, D. McGrath .....	1,349 44
Vesey street, between Broadway and West street, J. T. Broderick .....	10,629 00
<b>Total .....</b>	<b>\$23,952 80</b>

Repaving, under Chap. 476, Laws of 1875 (Salaries)—	
Pay-rolls.....	\$986 48

Roads and Avenues and Sprinkling—	
Broken stone.....	\$1,657 55
Pay-rolls.....	5,859 41
Repairing tools.....	114 62
Rubber hose.....	92 65
Traveling expenses.....	62 50
Water tanks.....	116 00
Total.....	<u>\$7,902 73</u>

Salaries—Department of Public Works—	
Pay-rolls.....	\$22,569 68

Sewers—Repairing and Cleaning—	
Brick and cement.....	\$173 75
Cleaning basins and culverts.....	2,100 00
Granite basin head.....	35 00
Lumber.....	33 00
Manhole heads and covers.....	928 81
Pay-rolls.....	7,459 78
Repairing basins.....	2,314 97
“    maps.....	39 00
“    sewers.....	2,826 54
“    sidewalk.....	59 50
Setting manhole heads.....	55 00
Tools.....	31 10
Traveling expenses.....	172 49
Total.....	\$16,228 94

Sewers—Repairing and Cleaning (Salaries)—	
Pay-rolls.....	\$2,641 18

Supplies for and Cleaning Public Offices—		
Army, Eighth Regiment.		\$41 66
“ Ninth “		83 33
Brown Stone Building.		204 00
Bureau of Repairs and Supplies.		451 54
City Hall.		203 80
Court, Civil, First District.		160 20
“ “ Third “		31 00
“ “ Sixth “		119 21
“ “ Seventh “		100 05
“ “ Ninth “		124 46
“ Police, Second “		14 00
“ “ Third “		47 51
“ Common Pleas.		74 71
“ General Sessions.		434 00
“ Marine.		521 78
“ Special Sessions.		321 70
“ Superior.		65 33
“ Supreme.		63 35
Court-house, New.		164 17
“ Third District.		170 00
“ Sixth “		18 50
“ Seventh “		78 00
Department of Finance.		32 50
“ Public Works.		991 18
Dog Pound.		49 56
Office City Record.		60 00
“ Commissioners of Accounts.		15 00
“ Corporation Counsel.		38 70
“ County Clerk.		106 00
“ District Attorney.		254 69
“ Mayor.		235 57
Pay-rolls.		6,380 00

Supplies for and Cleaning Public Offices (Salaries)—	
Pay-rolls, .....	\$2,433 72

Sewerage System (Salaries)—	
Pay-rolls.....	\$1,682 84

Supplying Water to Shipping, etc., for Building Purposes (Salaries)—	
Pay-rolls.....	\$1,203 54

Wells and Pumps—Repairing and Cleaning—	
Putting in Pumps.....	\$84 88
Repairing “ .....	12 00
Total.....	<u>\$96 88</u>

## RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs and Maintenance	\$33,367	33
“ “ “ Salaries	2,293	32
Boulevard, Roads, and Avenues—Maintenance	10,323	98
“ “ “ “ Salaries	609	81
Contingencies—Department of Public Works	457	37
Expenses—Altering Maps, City of New York	339	97
“ Grading, etc., Fort Gansevoort Property	10,137	94
Flagging and Fencing City Property	260	18
Free Floating Baths	9,284	13
“ “ “ Salaries	5,774	94
“ “ “ Additional	2,976	26
Lamps and Gas	113,787	33
“ “ “ Salaries	1,508	00
Public Buildings—Construction and Repairs	10,721	17
“ “ “ “ Salaries	309	00
Public Drinking Hydrants	1,809	19
Removing Obstructions in Streets and Avenues	416	50
“ “ “ “ Salaries	570	00
Repairing and Renewal of Pipes, Stop-cocks, etc.	20,088	74
“ “ “ “ Salaries	5,455	67
Repairs and Renewal of Pavements	82,353	59
Repaving, under chapter 476, Laws 1875	22,672	30
“ “ “ “ for 1878	23,952	80
“ “ “ “ Salaries	986	48
Roads and Avenues and Sprinkling	7,902	73
Salaries—Department of Public Works	22,569	68
Sewers—Repairing and Cleaning	16,228	94
“ “ “ “ Salaries	2,641	18
Sewerage System, Salaries	1,682	84
Supplies for and Cleaning Public Offices	11,658	50
“ “ “ “ Salaries	2,433	72
Supplying Water to Shipping, etc., Salaries	1,203	54
Wells and Pumps—Repairing and Cleaning	96	88
Total	\$426,873	71

### TRUST ACCOUNTS.

CROTON WATER FUND.

Building house and barn.....	\$900 00
Drawing Implements.....	185 96
Horse-keeping.....	90 00



Incidentals	\$470 16
Pay-rolls	4,287 58
Rent of Mill Seat	375 00
Office	65 00
Rubber hose	71 16
Services of Copyists	144 76
Counsel	3,418 00
Sodding at Dam	4,574 49
Surveying instruments	314 23
Total	\$14,896 91

## CROTON WATER-MAIN FUND, NO. 2.

Cast-iron pipe	\$11,573 82
Changing gas-mains	1,321 44
Drawing instruments	33 68
Foundation for Engine and Boiler House	8,430 33
Horse-keeping	84 05
Hydrant boxes	661 25
Hydrants	4,374 25
Laying mains in Boston avenue, etc.	622 73
Avenue A, etc.	244 53
First avenue, etc.	310 04
Chrystie street, etc.	928 06
Seventy-eighth street, etc.	3,071 38
Eighty-fifth street, etc.	3,025 47
One Hundred and Thirtieth street, etc.	233 71
One Hundred and Seventy-seventh street, etc.	1,877 14
Laying mains at High Bridge, etc.	4,697 11
Lead	1,635 02
Pay-rolls	24,818 93
Relaying gas-pipe	34 36
Replacing service taps	518 08
Stop-cock boxes and covers	729 00
Stop-cocks	6,252 34
Traveling expenses	127 24
Total	\$75,609 96

## METER STOCK.

Water meters	\$372 80
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## STREET IMPROVEMENT FUND.

Fencing—	
Corners Madison avenue and One Hundred and Twenty-seventh street, M. Mahoney	\$135 39
Flagging—	
East side Fourth avenue, between Sixty-fifth and Sixty-sixth streets, G. Palmer	211 20
Paving—	
Lexington avenue, between Seventy-fourth and Seventy-ninth streets, J. M. Shannon	\$600 30
Fourth avenue, at Eighty-third to Eighty-sixth streets, D. McGrath	3,297 88
Eleventh avenue, between Fifty-ninth and Sixty-fifth streets, W. A. Cuming	994 20
Water street, between Corlears and East streets, J. Pollock	1,819 98
Seventieth street, at intersection of Fourth avenue, J. S. Masterson	46 21
Seventy-sixth street, between Eighth avenue and Riverside Park, O. Gearty	1,040 40
Eighty-second street, between Third and Lexington avenues, J. M. Shannon	491 80
One Hundred and Fourth street, between Second and Third avenues, D. McGrath	2,475 89
	10,766 66

Receiving Basins—	
Madison street, northwest corner Birmingham, G. Palmer	\$4 20
Water street, southeast corner of Jefferson, R. A. Cunningham	131 00
Fifty-seventh street, north side, between Madison and Fourth avenues, G. Palmer	4 00
Sixty-fifth street, northwest corner of Fifth avenue, J. S. Masterson	9 20
Ninety-second street, southwest corner of Eighth avenue, J. Mulholland	170 00
	318 40

Regulating, Grading, etc.—	
Madison avenue, between Ninety-ninth and One Hundred and Fifth streets, J. Slattery	\$9,450 00
Twelfth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-first streets, P. T. Masterson	2,536 65
Elm street, between Pearl and Worth streets, J. B. Healy	427 09
Forty-second street, between Second avenue and East river, T. Connell	3,816 42
Eighty-eighth street, between First avenue and Avenue A, J. B. Devlin	157 25
One Hundred and Second street, between Fifth avenue and Harlem river, J. Walsh	12,075 00
One Hundred and Third street, between First avenue and Fifth avenue, J. C. Dowling	2,992 50
	31,454 91

Retaining Wall, etc.—	
Forty-second street, between First and Second avenues, E. Freeland	3,025 12

Sewers—	
Lexington avenue, between One Hundred and Third and One Hundred and Fourth streets, E. Branagan	\$1,200 53
New avenue, west of Morningside Park, J. Everard	3,933 30
Fourth avenue, between One Hundred and Twenty-third and One Hundred and Twenty-fifth streets, Devlin & McKeon	106 80
Ninth avenue, between One Hundred and One Hundred and First streets, D. Noonan	248 80
Tenth avenue, between Seventy-seventh and Eighty-first streets, B. Noonan	638 00
East Broadway, between Oliver and Catharine streets, L. Rock	39 00
Waverly place, between West Tenth and Charles streets, L. Rock	36 80
Goerck street, between West Houston and Clark streets, L. Rock	36 60
Goerck street, between Houston and Third streets, L. Rock	41 20
Nassau street, between Beekman and Spruce streets, F. P. Nesbit	27 00
Washington street, between Perry and West streets, L. Rock	37 80
Sixty-ninth street, between First and Second avenues, T. J. Reilly	129 40
Seventy-sixth street, between Boulevard and Eleventh avenue, G. A. Treacy	60 00
Seventy-second street, between First and Second avenues, R. A. Cunningham	660 50
Eighty-third street, between Tenth avenue and Boulevard, J. Baird	1,511 00
One Hundred and Fourth street, between Ninth and Tenth avenues, J. Reilly	3,148 89
One Hundred and Fourth street, between Fourth and Fifth avenues, E. Bradburn	190 00
One Hundred and Seventh street, between Fourth and Fifth avenues, P. Mulholland	3,157 33
One Hundred and Tenth street, etc., between One Hundred and Tenth and One Hundred and Sixteenth streets, M. Noonan	1,221 50
One Hundred and Fifteenth street, between Fourth and Madison avenues, F. Stollmeyer	1,433 54
One Hundred and Twenty-ninth street, between Seventh and Eighth avenues, J. C. Dowling	619 10
	18,477 09

Incidental expenses	\$237 79
Pay-rolls, Engineers, Sewers	3,999 96
Inspectors, Paving	266 00
Regulating, grading, etc.	1,207 00
Sewers	2,360 00
Surveyors' fees	1,244 64
Total	\$73,704 16

## STREET IMPROVEMENTS ABOVE FIFTY-NINTH STREET.

Morningside Avenue, West—	
Pay-rolls	\$2,274 27
Powder and fuse	36 50
Rope	49 99
	\$2,360 76
Eleventh Avenue and Broadway, between One Hundred and Fifty-fifth street and Kingsbridge Road—	
Pay-rolls	\$370 09
Regulating, grading, etc.	5,161 39
	5,531 48
Planting Avenue St. Nicholas—	
Trees	213 57
Planting Sixth Avenue—	
Trees	107 45
Planting Seventh Avenue—	
Trees	182 98
Total	\$8,396 24

## RECAPITULATION OF TRUST ACCOUNTS.

Croton Water Fund	\$14,896 91
Croton Water-main Fund, No. 2	75,609 96
Meter Stock	372 80
Street Improvement Fund	73,704 16
Street Improvements above Fifty-ninth street	8,396 24
Total	\$172,980 07

## GENERAL SUMMARY.

Appropriations	\$426,873 71
Trust Accounts	172,980 07
Grand Total	\$599,853 78

## Document "C."

Contracts Made during Three Months ending September 30, 1879.

DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
1879.	Sewers.			
Aug. 2	Sewer in Fifty-second street, between Third and Lexington avenues, from end of present sewer to near Lexington avenue.	Michael Gavin, 320 E. 30th street.	William Baird, 310 E. 57th street. Michael Kane, 126 E. 70th street.	\$1,000 00
July 30	Sewer in One Hundred and Thirtieth street, between Tenth avenue and summit east of Tenth avenue.	Wm. E. & Wm. M. Dean 513 E. 117th street.	James Rogers, Foot of W. 132d st. Alex. Lutz, 329 E. 120th street.	2,568 70
Aug. 30	Sewer in One Hundred and Thirtieth street, between Sixth avenue and summit west of Tenth avenue.	Wm. E. & Wm. M. Dean 513 E. 117th street.	Alex. Lutz, 329 E. 120th street. Chas. Lutz, 208 E. 113th street.	1,680 50
Sept. 1	Sewer in One Hundred and Thirtieth street, between Madison and Fifth avenues, and in Madison avenue, etc.	W. H. Moore, 220 E. 105th street.	Timothy Donovan, 412 E. 114th street. William McEntee, 318 E. 105th street.	2,295 00
Aug. 29	Sewer in Sixty-fourth street, between Eighth avenue and the Boulevard.	Peter T. Masterson, 127th st. and 7th ave.	Edward C. Sheehy, 1453 Third avenue. Thomas Pearson, 10 E. 84th street.	2,830 00
" 29	Sewer in Lexington avenue, between One Hundred and Twenty-fifth and One Hundred and Twenty-sixth streets.	Peter T. Masterson, 127th st. and 7th ave.	Edward C. Sheehy, 1453 Third avenue. Thomas Pearson, 10 E. 84th street.	983 00
Sept. 3	Sewer in One Hundred and Twenty-seventh street, between Seventh and Eighth avenues.	James Reilly, 127th st. and B'way.	James Peit, 10th ave. and B'way. Theodore F. Tone, 130th street, N. R.	2,145 65
Aug. 28	Sewer in Sixty-ninth and Seventieth streets, between Second and Third avenues.	J. H. McCabe, Grand Union Hotel.	Chas. H. Field, 957 Madison avenue. F. McCabe, 725 Lexington avenue.	7,086 00
Sept. 3	Sewer in Lexington avenue, between Seventy-second and Seventy-third streets.	J. H. McCabe, Grand Union Hotel.	F. McCabe, 725 Lexington avenue. M. B. Flynn, 622 E. 14th street.	1,937 00
	Regulating and Grading.			\$22,525 85
July 28	Regulating and grading, etc., Seventy-third street, from Third avenue to the East river.	Patrick Farley, 163 E. 64th street.	F. McCabe, 725 Lexington avenue. James Williams, 321 E. 50th street.	\$40,237 00
Sept. 16	Regulating and grading, etc., Eighty-first street, from Eighth to Ninth avenue.	Joseph F. Gallagher, 306 E. 112th street.	Timothy Donovan, 412 E. 114th street. Thomas McManus, 709 Lexington avenue.	2,671 00
" 16	Regulating and grading, etc., One Hundred and Twenty-ninth street, from Seventh to Eighth avenue.	Joseph F. Gallagher, 306 E. 112th street.	Timothy Donovan, 412 E. 114th street. Thomas McManus, 709 Lexington avenue.	861 00
	Paving.			\$43,769 00
July 19	Paving Ninth avenue, from the westerly line of the Boulevard to the southerly line of Seventy-seventh street.	Assawassac Granite Co.	Stephen H. Turnbull, 23 Park Row. John Post, 162 W. 21st street.	\$36,435 00
Sept. 12	Paving Forty-fourth street, between Second and Third avenues, with trap-block pavement.	John Slattery, 788 Fourth avenue.	James Slattery, 207 W. 57th street. Henry Tone, 114th st. and 10th ave.	4,532 00
" 12	Paving Lexington avenue, from Seventy-ninth to Eighty-fifth street, with trap-block pavement.	John Slattery, 788 Fourth avenue.	James Slattery, 207 W. 57th street. Henry Tone, 114th st. and 10th ave.	11,727 50
" 12	Paving Fifty-eighth street, between Ninth and Tenth avenues, with trap-block pavement.	John Slattery, 788 Fourth avenue.	James Slattery, 207 W. 57th street. Henry Tone, 114th st. and 10th ave.	4,511 60
Aug. 30	Regulating and paving Fourth avenue, from Sixty-seventh to Seventy-second street, with trap-block pavement.	Denis McGrath, Weehawken, N. J.	James Slattery, 207 W. 57th street. John H. Borssennecker, 552 Eleventh avenue.	14,696 40
				\$71,902 50



DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
Awarded under Chapter 476, Laws of 1875.				
Aug. 2	Paving Seventh avenue, from Forty-seventh to Fifty-ninth street (excepting the horse paths of the Seventh Avenue Railroad) with granite-block pavement.....	Leonard W. Johnson, ... 414 W. 34th street...	Childe H. Childs, 424 W. 34th street... John O'Garra, 404 W. 34th street...	\$32,297 00
" 7	Paving Twenty-first street, from Seventh to Eighth avenue; Twenty-sixth street, from Seventh to Eighth avenue; Thirty-seventh street, from Sixth to Seventh avenue; Forty-fifth street from Lexington to Fourth avenue; and Forty-fifth street, from Madison to Fifth avenue, with trap-block pavement....	Owen Fitzpatrick, 244 E. 37th street....	Henry Kelly, 422 W. 47th street... John Quinn, 635 Eleventh avenue.	16,366 00
" 21	Paving New street, from Beaver to Wall street; Church street, from Vesey to Chambers street; Exchange place, from Broadway to William street; White street, from Broadway to West Broadway; and Centre street, from Chambers street to Canal street, with granite-block pavement.....	Thomas Gearty, 415 E. 83d street....	E. Ellery Anderson, 54 Wall street..... Phil p Smith, 125 E. 94th street....	37,423 50
" 21	Paving Water street, from Fulton to Market street, and Madison street, from Market to Clinton street, with trap-block pavement.....	John M. Shannon, Jersey City.....	Matthew Baird, 306 E. 57th street... John McAndrew, 149 W. 13th street...	23,175 50
Sept. 8	Paving Mercer street, from Bleeker to Eighth street; Clarkson street, from Varick street to North river; Fifteenth street, from Sixth to Seventh avenue; and University place, from Eighth to Fourteenth street, with granite-block pavement.....	Thomas Gearty, 415 E. 83d street....	C. C. Ellis, 443 Ninth avenue... John Lynch, 304 Eighth avenue...	31,329 60
" 8	Paving Great Jones street, from Bowery to Broadway; Ninth street, from Second to Third avenue; Seventeenth street, from Broadway to Fifth avenue; Nineteenth street, from Third to Fourth avenue; and Nineteenth street, from Fifth to Sixth avenue, with granite-block pavement.....	Thomas Gearty, 415 E. 83d street....	David Babcock, 16 Broadway..... Leonard W. Johnson, 414 W. 34th street...	28,028 70
" 18	Paving Twenty-fourth street, from Lexington avenue to the East river, and First avenue, from Thirtieth to Thirty-sixth street, with Belgian pavement.....	Owen Fitzpatrick, 244 E. 37th street ...	Patrick Sheehy, 255 E. 83d street.... Thomas Regan, 345 East 37th street..	28,102 50
" 24	Paving Fifth avenue, from Fifty-ninth to Seventy-second street, with Macadam pavement.....	Wm. Everard, 307 E. 40th street....	James Everard, 223 W. 34th street... Sheridan Shook, 223 W. 34th street...	31,240 00
Laying Croton Water Mains.				\$227,962 80
" 28	Laying Croton-mains in One Hundred and Fifty-first street, Cliff, One Hundred and Fifty-seventh, One Hundred and Fifty-eighth, One Hundred and Sixty-ninth, One Hundred and Forty-third, One Hundred and Forty-fifth, One Hundred and Forty-fourth, One Hundred and Forty-fifth streets, and in Madison, Washington, Elton, Concord, Mott, Courtland, Railroad, Boston, and College avenues.....	Thomas McCann, Bedford avenue and Douglas st., B'klyn.	William J. Preston, 12 Bridge street..... William Buchanan, 61 Park avenue.....	\$12,384 80
" 28	Laying Croton-mains in Eighty-seventh, One Hundred and Thirty-second, Sixty-ninth, Seventieth, Seventy-first, Seventy-second, Seventy-third, One Hundred and Thirtieth, One Hundred and Twenty-first, One Hundred and Twenty-second, Sixty-fourth, Forty-second, Ninety-fourth, One Hundred and Twenty-seventh, and Forty-sixth streets, and in Ninth avenue, Boulevard, Madison avenue, Fourth avenue, Eleventh avenue, and in Eighth avenue....	Thomas McCann, Bedford avenue, and Douglas st., B'klyn.	William J. Preston, 12 Bridge street..... William Buchanan, 61 Park avenue.....	10,809 60
Miscellaneous.				\$23,194 40
Aug. 11	Furnishing materials and building a Keeper's house, barn, and appurtenances, at Boyd's Corners Reservoir.....	John Witherell, Mt. Kisco, Westchester Co.....	Thomas Pearson, 10 E. 84th street.... William Ryan, 1415 Second avenue.. George A. Crocker, 6 E. 12th street..... Robert Campbell, 5 Madison avenue...	\$3,896 00
" 19	Furnishing the Department with cast iron water pipes, branch pipes, and special castings.....	The Warren Foundry and Machine Co., Philipsburg, N. J....	John Mullane, 233 E. 22d street.... John Nesbit, 165 Lexington avenue	32,023 75
" 20	Building retaining walls, culverts, etc., with the necessary excavation and embankments, at Boyd's Corners Reservoir, town of Kent, Putnam Co. ....	B. Z. Worth, Grand Union Hotel..	Maurice B. Flynn, 622 E. 14th street.... Louis Kircher, 615 E. 12th street... Felix Campbell, 79 John street..... Louis Kircher, 615 E. 12th street....	4,910 00
Sept. 4	Building and delivering one floating swimming bath.....	William F. Morgan, 71 Broadway.....		7,386 73
" 4	Furnishing stop-cocks, stop-cock boxes, hydrants, and hydrant boxes..	Guy C. Hotchkiss, Field & Co.....		8,182 09
				\$56,398 57
July 17	Sewer in Sixty-eighth street, between Madison and Fourth avenues....	Bernard Maloney, 123 E. 116th street...	Sureties not required, Amounting to less than \$1,000 each.	\$360 00
Aug. 25	Sewer in Eleventh avenue, between Fifty-ninth and Sixtieth streets...	M. H. Moore, 220 E. 105th street...		580 00
" 25	Sewer in Light street, between Washington and West streets....	John S. Masterson, 127th st. and 7th ave.		468 50
" 25	Receiving-basin on the southwest corner Eleventh street and Dry Dock street.....	M. H. Moore, 220 E. 105th street...		146 00
" 25	Receiving-basin on northeast corner Front and Montgomery streets, and northwest corner South and Montgomery streets.....	M. H. Moore, 220 E. 105th street..		392 00
" 25	Receiving-basin on west side Fifth avenue, between Sixtieth and Sixty-first streets.....	M. H. Moore, 220 E. 105th street...		216 00
" 26	Receiving-basin on northeast corner Sixtieth street and Fifth avenue...	John B. Healy, 246 E. 108th street...		243 00
July 22	Flagging sidewalks on the east side Fourth avenue, between Sixty-fifth and sixty-sixth streets.....	Gilbert Palmer, 49 E. 78th street....		216 20
" 30	Fencing vacant lots on the southeast and southwest corners Madison avenue and One Hundred and Twenty-seventh street.....	Michael Mahony, Foot of E. 65th street.		136 68
Aug. 13	Fencing vacant lots on block bounded by Eightieth and Eighty-first streets, Madison and Fifth avenues.....	R. A. Cunningham, 343 E. 16th street....		396 44
Sept. 23	Fencing vacant lots on south side Seventy-ninth street, between Fourth and Lexington avenues....	Michael Mahony, 65th st. and 1st ave..		76 80
				\$3,231 62

## RECAPITULATION.

Nine sewer contracts.	\$22,525 85
Three regulating and grading contracts.	43,769 00
Five paving contracts.	71,902 50
Eight paving contracts (chapter 476, Laws 1875).	227,962 80
Two Croton-main contracts.	23,194 40
Five miscellaneous contracts.	\$56,398 57
Eleven special contracts.	3,231 62
Forty-three contracts.	\$148,984 74

## Contracts Completed during the Three Months ending September 30, 1879.

DATE.	NATURE AND LOCATION OF WORK.		COST.
1879.			
July 15	Receiving-basin'.....	On the southeast corner Water and Jefferson streets.....	\$169 00
" 18	Paving .....	Intersections of Fourth avenue with Eighty-third, Eighty-fourth, Eighty-fifth, and Eighty-sixth streets, with Belgian pavement.	3,791 39
" 18	" .....	Water street, between Corlears and East streets, with granite-block pavement, and setting curb and gutter stones.....	2,103 51
" 21	Regulating, grading, etc. . . . .	Twelfth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-third streets.....	3,441 46
Aug. 4	Sewer.....	One Hundred and Seventh street, between Fourth and Fifth avenues .....	3,911 13
" 14	Flagging sidewalks .....	On east side Fourth avenue, between Sixty-fifth and Sixty-sixth streets.....	218 56
" 14	Receiving-basin.....	On the southwest corner Ninety-second street and Eighth avenue.....	230 00
" 19	Paving .....	One Hundred and Fourth street, between Second and Third avenues, with trap-block pavement.....	2,883 49
" 29	Regulating and grading... ..	In Forty-second street, from Second avenue to the East river..	23,417 11
" 29	Fencing vacant lots.....	On the southeast and southwest corners Madison avenue and One Hundred and Twenty-seventh street.....	159 35
" 29	Sewer.....	In One Hundred and Fourth street, between Ninth and Tenth avenues .....	3,805 10
" 29	" .....	In Eighty-third street, between Tenth avenue and Boulevard..	2,104 00
Sept. 11	Regulating, grading, etc. . . . .	Elm street, between Pearl and Worth streets.....	474 65
" 11	Sewer.....	In One Hundred and Fourth street, from 650 feet east of Tenth avenue to 75 feet west of Ninth avenue.....	834 39
" 11	" .....	In One Hundred and Twenty-ninth street, between Seventh and Eighth avenues.....	1,172 30
" 24	" .....	In Lexington avenue, between One Hundred and Third and One Hundred and Fourth streets.....	1,673 38
" 24	" .....	In Sixty-eighth street, between Fourth and Madison avenues, etc.....	393 69
" 24	" .....	In Seventy-second street, between First and Second avenues, etc.	921 36
" 26	" .....	In Light street, between Washington and West streets.....	556 44
July 8	Laying Croton-mains.....	In Chrystie, Elizabeth, One Hundred and Fourth, and Forty-third streets.....	9,257 13
" 19	Paving .....	Fifth avenue, from Fifty-ninth to Seventy-second street, with Macadam pavement.....	20,443 42
" 28	" .....	Vesey street, from Broadway to West street, with granite-block pavement .....	11,119 03
Aug. 1	One free floating bath.....		6,498 00
" 28	Laying Croton-mains.....	In Eighty-fifth street, Boulevard, and Avenue A.....	3,184 70
Total.....			\$102,762 59

## RECAPITULATION.

Nine sewer contracts.	\$15,371 79
Three paving contracts.	8,778 39
Three regulating and grading contracts.	27,333 22
One flagging contract.	218 56
One fencing contract.	159 35
Two basin contracts.	399 00
Two paving contracts (chapter 576, Laws of 1875).	31,502 45
Two Croton-main contracts.	12,441 83
One miscellaneous contract.	6,498 00
Twenty-four contracts.	\$102,762 59

## Document "D."

DEPARTMENT OF PUBLIC WORKS,  
CHIEF ENGINEER'S OFFICE, CITY HALL,  
NEW YORK, October 4, 1879.

ALLAN CAMPBELL, Esq., Commissioner of Public Works:

SIR—I have the honor to report that during the quarter ending September 30, 1879, there has been expended in this Bureau for work done and materials furnished, and for which bills have been transmitted, as follows:

Altering maps of city west of Eighth avenue.	\$669 97
Aqueduct—Repairs and Maintenance.	33,220 83
Aqueduct—Repairs and Maintenance, Salaries.	3,439 98
Contingencies—Department of Public Works.	70 20
Croton Water Fund.	17,714 38
Croton Water-main Fund, No. 2.	73,608 83
Croton Water-main Fund, from taxation.	311 86
Meter Stock.	372 80
Repairing and Renewal of Pipes, Stop-cocks, etc.	5,231 30
Repairing and Renewal of Pipes, Stop-cocks, etc., Salaries.	3,376 35
Shipping and Building Purposes, Salaries.	1,893 04
Total.	\$139,909 54

## STORAGE RESERVOIRS.

Water was drawn from Boyd's Corners reservoir for the supply of the city from July 5 to July 12, and from August 13 to August 20, during which time 425,000,000 gallons were drawn; this reservoir has since filled up to within 6 inches of the top, at which height it is kept to protect workmen on overflow retaining walls.

The reservoir at South East on the middle branch of the Croton river was drawn down 3 feet 1½ inches in August, to allow the railroad to build up the abutments, and raise their bridge, which had been submerged by the filling of this reservoir; it is now filled to within 16 inches of the top of the overflow.

The lakes are all full.

The contract for sodding the top and face of the dam at South East has been completed, and having plenty of rain during the work and since its completion, it is now in first-class condition.

Contracts were entered into in August for building a keeper's house, etc., and for retaining walls, culverts, etc., at Boyd's Corners reservoir. The contractors for same are at work and making good progress.

The abutments of the Road Bridge below the Boyd's Corners reservoir showing signs of being undermined by the action of freshets, a contract has been entered into to take down and rebuild same in a substantial manner.

The Commissioners appointed to appraise damages to owners of property and water rights in and around Lakes Kirk and Mahopac and along the Muscoot river, have held a few sessions during the past quarter.

Nothing has been done during the past quarter by the Commissioners in the Tilly Foster Mine case; an engineer is still stationed at the mine gauging the water pumped from same.

Since the 9th July a large force was employed in cleaning out the channel of the Muscoot river below Red Mills; the work was commenced where the same was stopped in 1876, and excavated, through swamps, 12 to 14 feet wide and 2 to 3 feet deep, and 1½ miles long; the channelway for most of this distance was entirely filled up. There is now a clear channel from Red Mills to Blydenburgh Mills for the waters of Lakes Kirk and Mahopac.

The rain-fall at Boyd's Corners reservoir was for July, 5 95-100 inches; August, 5 83-100 inches; and for September, 3 43-100 inches.

The office at Carmel has been discontinued, the furniture moved to the office at Kensico, and the plans, etc., relating to the works now constructed sent to this office.

## BRONX AND BYRAM RIVER SUPPLY.

During the past quarter the surveys of the Byram river water-shed were completed; the reservoir on the Bronx near Kensico located, flow line and farm lines of same surveyed, and negotiations entered into for the purchase of the land necessary. The conduit line has been located between Kensico and Hartzdale, and the farm lines are being surveyed and quantities required calculated as fast as the searches are made to determine the lines of same. Most of the resident owners along the conduit line have been seen, and one offer has been made to sell the land required for the conduit through two farms.

But few of the owners live on their property, and this makes slow work in defining farm lines and in negotiating for purchase of land required.



## AQUEDUCT—REPAIRS AND MAINTENANCE.

The Croton river furnished a full supply of water to the aqueduct during the quarter except 19 days in July and 18 days in August.

The aqueduct has been used to its full capacity during the quarter except on the 7th day of August, when the water was shut off to repair bank near Croton dam. In excavating to strengthen same, a large leak was found at the bottom of the masonry, necessitating shutting off the water to repair same.

The work of strengthening the aqueduct has been carried on with a large force, and a number of bad leaks stopped, and the following amount of work done:

First Division	228 lineal feet.
Second Division	480 "
Fourth Division	725 "
Fifth Division	550 "
Sixth Division	400 "

Total..... 2,383 lineal feet—strengthened and repaired during the quarter.

The work of repairing fences, cleaning ditches and culverts, has been continued as usual.

On 1st Division, the apron at Croton dam has been repaired with new planks where necessary, and the face of the dam pointed.

On 2d Division, one bank was relieved of 6 feet in depth of earth to a distance of 212 feet, amounting to 1,040 cubic yards.

On 3d Division, 1,619 feet of embankment has been relieved of surplus earth, and 50 cubic yards of protection wall built.

On 5th Division, 725 cubic yards of stone were quarried, 281 feet of curb, and 1,900 square feet of flagging was reset over aqueduct in Yonkers.

At High Bridge the reservoir railing was painted, and the gate-houses at Central Park were also painted.

The pumping engines at High Bridge have steadily supplied the reservoir and tower with water.

## LAYING CROTON WATER PIPES.

Contracts for laying pipes in Eighty-fifth street, between Avenues A and B; Boulevard, between Eighty-sixth and One Hundredth streets; Avenue A, between Seventy-first and Seventy-fourth streets; One Hundred and Seventy-seventh street, between Madison and Fourth avenues; Seventy-sixth street, between Madison and Fourth avenues; Seventy-third street, between First and Second avenues; One Hundred and Fifty-second street, between Third and Courtland avenues; One Hundred and Eighth street, between Boulevard and Riverside avenue; One Hundred and Forty-sixth street, between Willis and Brook avenues; One Hundred and Nineteenth street, between Fifth and Sixth avenues; Seventy-ninth street, between Boulevard and Riverside avenue; Riverside avenue, between Seventy-ninth and Eighty-fourth streets; One Hundred and Fifty-third street, between Third and Courtland avenues; and Ninety-ninth street, between Boulevard and Tenth avenue have been completed.

Two contracts have been entered into for laying water pipes, which includes all authorized to date and approved by the Mayor.

One contract for furnishing cast iron water pipes has been completed and one entered into for same.

The work of removing the aqueduct and building foundations for the new high service works has been completed.

The contractor for the engine and boiler-house, tower, etc., for the high service works has commenced work on same, and the contractor for tank and stand-pipe has the tank completed and the stand-pipe 50 feet high, all progressing satisfactorily.

Two gangs of men have been to work during the quarter placing hydrants as called for by the Fire Department.

## AMOUNT OF PIPE LAID DURING THE QUARTER.

36-inch pipe	1,700 lineal feet.
20 "	100 "
12 "	3,617 "
6 "	16,552 "

Total..... 21,969 lineal feet.

91 5-inch barrel hydrants have been placed.

116 3½-inch " "

3 3-inch " "

210 new hydrants placed.

The examination of buildings has been carried on by a reduced force; Exhibit "A" shows in detail the operations of this force; these inspectors have also made a large number of examinations, locating hotels, breweries, slaughter-houses, etc., with reference to placing of meters, and the collection of amounts due for water measured by meter.

## WATER METERS.

In July the placing, reading and repairing of meters was transferred from the Bureau of Water Register to this Bureau, and orders were received to place, as soon as practicable, meters on hotels, slaughter-houses and breweries.

The necessary notices with rules and regulations were printed, and since July 31, six hundred and sixty of these have been served on the proprietors, owners and tenants of the above establishments.

## Water Meters in Use July 1, 1879.

	¾-in.	¾-in.	1-in.	1½-in.	2-in.	3-in.	4-in.	TOTAL.
Breweries	..	..	10	..	6	..	..	16
Bakeries	2	..	5	..	..	..	..	7
Baths	..	..	9	..	3	..	..	12
Docks	..	3	8	..	14	34	28	87
Flats or Dwellings	1	..	3	..	1	1	..	6
Hotels	..	..	6	..	4	..	2	12
Manufacturing Establishments	3	2	67	3	32	11	6	124
Malt Houses	..	..	2	1	2	..	..	5
Markets	..	..	1	..	..	1	..	2
Publishing and Printing	1	..	7	..	5	..	..	13
Railroads	..	..	17	1	6	14	..	38
Rectifying and Distilling	..	..	6	..	..	..	..	6
Stables	1	..	167	4	9	5	..	186
Saw Mills	..	..	14	..	..	..	..	14
Slaughtering and Pork Packing	1	..	2	..	1	..	..	4
Miscellaneous	2	..	26	3	28	17	1	77
	11	5	350	12	111	83	37	609

New meters have been placed during the past quarter, as follows:

	¾-in.	¾-in.	1-in.	1½-in.	2-in.	3-in.	4-in.	TOTAL.
Hotels	3	24	45	36	18	10	2	138
Breweries	1	8	13	15	28	2	..	67
Railroads	..	26	7	..	4	13	14	64
Slaughter-houses	1	2	8	4	..	..	..	15
Bottling Establishments	..	..	1	1	..	..	..	2
Stables	..	1	4	2	..	..	..	7
Cigar Factory	..	..	..	..	1	..	..	1
Apartment Houses	..	..	..	..	1	1	..	2
West-ru Stock Yard	..	..	1	2	..	..	..	3
Malt Houses	..	..	1	2	5	1	..	9
N. Y. City Drug Mills	..	..	1	..	..	..	..	1
Globe Iron Work	2	..	..	1	..	..	..	3
Behren Manufacturing Co	1	..	..	..	..	..	..	1
	8	61	81	63	57	27	16	313

## USE OF WATER.

During the past quarter we have gained on our reservoirs in the park only three feet of water, the increased use during the warm weather being equal to the supply received from the aqueduct, the gain only being on Sundays and during rainy weather. The weak places and bad leaks developed

while repairing and strengthening the aqueduct shows the necessity of keeping our reservoirs as near full as possible, as a supply to use when the water has to be shut off from the aqueduct to repair same.

Hotels and other places using excessively large quantities of water are obtaining more or less of their supply from wells, and from salt water from the rivers, since the placing of meters on same, this will decrease the amount used and will about equal the new uses for water for new buildings, railroads and manufactures.

## SUPPLYING WATER TO SHIPPING AND FOR BUILDING PURPOSES.

The inspection of the pipes and hydrants along the water front, and of the use of water by shipping and for building purposes, has been continued, during the past quarter there has been issued—

14 Permits for Engines on Docks, amounting to.....	\$424 15
168 Permits for Building Purposes, amounting to.....	5,549 09
265 Permits for Shipping, amounting to.....	9,750 41
Water Measured by Meter, Amounting to.....	15,773 15

Total..... \$31,496 80

Respectfully yours,

G. W. BIRDSALL,  
First Assistant Engineer Croton Aqueduct, in Charge of Bureau.

## EXHIBIT "A."

Reports of Examinations made by Inspectors relative to Leaky Fixtures and Waste of Water from July 1 to September 30, 1879.

DISTRICT.	Whole Number of Buildings Inspected.	Number in which Plumbing was Defective or Water Wasted.	FAUCETS.		WATER CLOSETS OR URINALS.		HYDRANTS IN YARDS.		BALL-COCKS WANTED.
			Leak.	Waste.	Leak.	Waste.	Leak.	Waste.	
First.....	279	55	63	8	..	..	..	..	..
Fourth.....	615	85	76	..	..	7	..	..	..
Seventh.....	323	20	19	..	3	..	..	..	..
Twelfth.....	386	76	71	..	2	..	..	..	..
Thirteenth.....	594	61	68	..	2	..	..	..	..
Sixteenth.....	419	106	121	..	33	2	15	..	1
Seventeenth.....	35	1	..	1	..	..	..	..	..
Eighteenth.....	336	34	35	4	4	2	..	1	..
Twenty-first.....	212	75	104	..	1	..	..	..	..
Totals.....	3,199	512	557	13	45	11	23	1	1

## Document "E."

DEPARTMENT OF PUBLIC WORKS,  
WATER PURVEYOR'S OFFICE, No. 4 CITY HALL,  
NEW YORK, October 10, 1879.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—I have the honor to report the following as a statement of the transactions of the Bureau of Water Purveyor for the three months ending September 30, 1879:

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

This work has progressed during the quarter with the usual force, except a small decrease in the month of September, made necessary by the insufficiency of the appropriation. All complaints of breaks or leaks in the pipes, stop-cocks, and fire-hydrants have been met with prompt repairs.

## REPAIRS AND RENEWAL OF PAVEMENTS.

A considerable force has been kept employed in making repairs to the cobble and Belgian pavements where most necessary, and in renewing with stone blocks the remaining portions of the old wooden pavements, not included in the streets to be repaved by contract. A number of special contracts have been made and work under them completed for the repaving and relaying pavements in several streets. Much good work has been accomplished in this way. The pavements are now in fair condition, and it is to be regretted that the appropriation is so near exhaustion as to prevent much necessary work the present season.

## PLACING LARGE HYDRANTS.

There has been a small force employed during the quarter in placing large hydrants in different parts of the city, as required by the Fire Department, and in repairing the pavements over Croton water-mains.

## REPAVING, UNDER CHAP. 476, LAWS OF 1875.

The resolution of the Board of Aldermen, under which this work is done, was not passed until July 12, when the contracts were immediately advertised and let. Work on one of them has been completed, and on some others is well under way, but all cannot be completed the present season. The enforcement of a compliance with the specifications has given the city the best stone pavements it has ever had, and the facilities for traffic so improved by these pavements are becoming more and more apparent and appreciated.

## BOULEVARD, ROADS AND AVENUES, MAINTENANCE OF.

Mr. Joseph K. Choate, Engineer in Charge, submits the inclosed statement of the transactions of this Department of this Bureau, to which I respectfully refer you.

Number of men employed under charge of Bureau of Water Purveyor during the months of July, August, and September, 1879, paid from different appropriations, with amounts of pay-rolls:

MONTHS, 1879.	REPAIRING AND RENEWAL OF PIPES, STOP-COCKS, ETC.		CROTON WATER MAIN FUND, No. 2.	
	No. Men.		No. Men.	
July.....	61	\$2,918 78	121	\$5,827 74
August.....	62	3,788 43	122	5,515 27
September.....	63	3,657 07	146	7,024 70
Totals.....	186	\$11,364 28	389	\$18,367 71

## RECAPITULATION.

Amounts of pay-rolls for July, August, and September, 1879:  
Repairing and Renewal of Pipes, Stop-cocks, etc..... \$11,364 28  
Croton Water-main Fund, No. 2..... 18,367 71  
Repairs and Renewal of Pavements..... 49,846 78

Total..... \$79,578 77

Number of vault permits issued during the quarter was thirty-five (35).  
Amount received for the same was eleven thousand one hundred and ninety-five and 87-100 dollars (\$11,195.87).

Respectfully,

DANIEL O'REILLY, Water Purveyor.



DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF WATER PURVEYOR,  
NEW YORK, October 13, 1879.

DANIEL O'REILLY, Esq., *Water Purveyor*:

SIR—In accordance with your instructions I respectfully submit the following report of the work done during the past three months within the jurisdiction of the Bureau of the Water Purveyor, under the immediate care of the Engineer in Charge of Roads and Avenues.

The appropriation for the maintenance, during 1879, of all macadamized and gravel boulevards, streets and avenues is—  
For labor, materials, etc. \$31,000 00  
For supervision (salaries) 4,000 00

Amount expended to July 1st. \$18,435 04  
Amount expended from June 30th to October 1st. 11,415 90  
29,850 94  
Unexpended balance. \$5,149 06

The expenses for the quarter are specified as follows:

Sprinkling \$4,006 69  
Cleaning roads and gutters. 2,867 32  
Spreading material for road surfacing. 94 80  
Repairing roads. 661 40  
Cleaning basins. 193 77  
Repairing monitors. 435 04  
Maintaining trees. 541 90  
General expenses, including supervision, foreman's time, watchman, materials, repairing tools, etc. 2,614 38  
Total \$11,415 90

The labor was thus distributed with reference to the various boulevards:

Avenue St. Nicholas, One Hundred and Tenth to One Hundred and Twenty-fifth street \$488 95  
Avenue St. Nicholas, One Hundred and Twenty-fifth to One Hundred and Fifty-fifth street. 1,052 58  
Boulevard, south of Manhattan street. 1,568 52  
Boulevard, north of Manhattan street. 406 09  
Sixth avenue, One Hundred and Tenth street, north. 840 30  
Seventh avenue, One Hundred and Tenth street, north. 1,278 98

Fifth avenue, Fifty-ninth to Seventy-second street. \$448 79  
Fifth avenue, One Hundred and Twenty-fourth to One Hundred and Thirtieth street. 113 31  
Other avenues and streets. 2,168 38  
Total \$8,365 90

The boulevard, from Manhattan street to the top of the hill about One Hundred and Thirty-first street, has been repaired at a small expense with broken stone and light covering of sand and clay, and is now in a very good condition.

The entire intersection at One Hundred and Twenty-fourth street and Fifth avenue has been taken up and repaired, and now corresponds to the new pavement in Fifth avenue.

I would respectfully call your attention to the amount of money expended during the quarter for sprinkling, which has been (on account of the very dry season) very large; and, owing to the limited appropriation, some contemplated repairs have had to be given up on this account.

About \$600 has been expended in repairs to the monitors, and putting the snow-plows, shovels, etc., in condition for the coming winter.

The largest force employed during the quarter was—

2 Foremen, 3 skilled laborers, 27 laborers, 1 blacksmith, 1 carpenter, 1 watchman, 7 carts, 18 two-horse teams.

The present force consists of—

2 Foremen, 3 skilled laborers, 12 laborers, 1 blacksmith, 1 carpenter, 1 watchman, 6 carts, 12 two-horse teams.

Respectfully submitted,

JOSEPH K. CHOATE, Assistant Engineer.

Document "F."

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF STREET IMPROVEMENTS, ROOM 11, CITY HALL,  
NEW YORK, October 6, 1879.

Hon. ALLAN CAMPBELL, *Commissioner of Public Works*:

SIR—In compliance with your instructions, I beg to hand you herewith a report of the transactions of the Bureau of Street Improvements for the quarter ending September 30, 1879.

Respectfully,

GEO. A. JEREMIAH,  
Superintendent Street Improvements.

Statement of Works in Progress in the Bureau of Street Improvements on the 30th day of September, 1879.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
<b>Regulating, grading, curb, gutter, and flagging—</b>									
Madison avenue, Ninety-ninth street to One Hundred and Fifth street.	John Slattery.	F. M. Leonard.	P. H. Kedney.	400 days.	\$47,205 13	\$27,675 00	\$8,302 50	\$19,372 50	{ Work suspended on account of sewer.
Sixty-sixth street, Eighth avenue to Boulevard.	John Mulholland.	F. M. Leonard.	John Maguire.	300 days.	14,372 76	1,523 00	456 90	1,066 10	
Sixty-eighth street, Third avenue to East river.	John Slattery.	W. V. Smith.	Not yet appointed.	30 days.	1,572 00				
Seventieth street, Eighth avenue to Tenth avenue.	John Brady.	M. Lovell.	J. J. Fitzgerald.	300 days.	18,305 00				
Seventy-third street, Third avenue to East river.	Patrick Farley.	W. V. Smith.	William Hayes.	300 days.	40,237 00				
Eighty-first street, Eighth avenue to Ninth avenue.	J. F. Gallagher.	W. V. Smith.	Wesley J. Wesant.	100 days.	2,671 00				
Ninety-third street, Second avenue to East river.	Michael Maguire.	W. M. Dean.	John Kenny.	60 days.	4,100 00				
One Hundred and Second street, Fifth avenue to Harlem river.	Joseph Walsh.	W. V. Smith.	Michael J. Bannon.	400 days.	42,421 00	17,250 00	5,175 00	12,075 00	
One Hundred and Third street, First avenue to Fifth avenue.	John C. Dowling.	W. V. Smith.	W. F. McManus.	600 days.	29,360 00	20,123 50	6,037 05	14,086 45	
One Hundred and Sixth street, Madison avenue to Fourth avenue.	Edward Bradburn.	W. M. Dean.	Walter T. Burke.	300 days.	4,206 20				
One Hundred and Twenty-ninth street, Seventh avenue to Eighth avenue.	J. F. Gallagher.	M. Lovell.	Michael J. Dillon.	30 days.	861 00				
<b>Special Contracts.</b>									
<b>Fencing vacant lots—</b>									
Eightieth and Eighty-first streets, Madison avenue and Fifth avenue.	R. A. Cunningham.	John E. Estis.		20 days.	396 44				
South side Seventy-ninth street, Fourth avenue to Lexington avenue.	M. Mahony.	J. W. MacLay.		20 days.	76 80				
<b>Boulevards and avenues—</b>									
Eleventh avenue, One Hundred and Fifty-fifth street to Kingsbridge road.	Michael Noonan.	Joseph K. Choate.	John L. Florence.	300 days.	65,523 20	20,352 77	6,105 83	14,246 94	
<b>Retaining walls, arch, etc.—</b>									
Forty-second street, First avenue to Second avenue.	Edward Freel.	M. Betts.	Ralph Ellis.	100 days.	30,834 00	4,321 60	1,296 48	3,025 12	
<b>Gansevoort Market Property—</b>									
Gansevoort street, Little West Twelfth street, Washington street, West street, and Tenth avenue.	John Brady.	H. Loomis.	W. L. Demerest and M. McDonnell.	100 days.	24,263 30	14,041 35	4,212 41	9,828 94	
<b>Total.</b>					\$326,404 83	\$105,287 22	\$31,586 17	\$73,701 05	

Works declared Abandoned and to be Relet.

Sixty-second street, Tenth avenue to Eleventh avenue.	John Wyberd.	T. & J. Slater.	Suspended.	9 months.	\$7,967 91	\$3,034 84	\$910 45	\$2,124 39
Seventy-first street, Fifth avenue to East river.	Herman Polye.	G. B. Melendy.	Suspended.	4 months.	24,907 80	14,345 00	4,303 50	10,041 50
<b>Total.</b>					\$32,875 71	\$17,379 84	\$5,213 95	\$12,165 89

Old Contracts Abandoned and Suspended.

Fourth avenue, Fifty-eighth street to Seventy-first street.	P. Farley.	R. Foley.	Suspended.	2 years.	\$48,185 82	\$42,232 65	\$12,669 76	\$29,562 89
Eighty-first street, Second avenue to East river.	M. J. Bannon.	F. E. Foley.	Suspended.	200 days.	16,208 90	3,840 00	1,152 00	2,688 00
<b>Total.</b>					\$64,394 72	\$46,072 65	\$13,821 76	\$32,250 89

Statement showing the amount of Work done during the months of July, August, and September, 1879.

Earth excavation.	Cubic yards.	1,726
Rock "	"	11,827
Filling furnished.	"	118,580
Curb and gutter-stones set.	Lineal feet.	1,681
Curb-stones set.	"	5,000
Curb-stones reset.	"	107
Flagging laid.	Square feet.	12,673
Picket fence built.	Lineal "	404
Curb-stone masonry.	Cubic yards.	11
Rubble range masonry.	"	380
Brick masonry.	"	140
Dry culverts built.	Lineal feet.	89
Paving.	Square yards.	8,400

Works Completed.

<b>Regulating, Grading, etc.—</b>	
Twelfth avenue, from One Hundred and Thirtieth to One Hundred and Thirty-third street.	\$3,441 46
Elm street, from Pearl to Worth street.	474 65
Forty-second street, from Second avenue to East river.	23,417 11
<b>Flagging Sidewalks—</b>	
East side of Fourth avenue, from Sixty-fifth to Sixty-sixth street.	218 56
<b>Fencing Vacant Lots—</b>	
Southeast and southwest corners of Madison avenue and One Hundred and Twenty-seventh street.	159 35
<b>Total.</b>	
	\$27,711 13



## Amount of Vouchers Drawn.

On account of Regulating, Grading, etc.	\$37,414 68
" Boulevard and Avenues	8,730 24
" Fort Gansevoort Market Improvement	10,137 94
" Flagging Sidewalks and Fencing Vacant Lots in front of City Property.	260 18
" Contingencies—Department of Public Works.	50 00
" Salaries—Department of Public Works.	123 20
Total	\$56,716 24

## Laboring Force employed on Morningside Avenue, West.

One (1) Foreman; one (1) Stone Mason; one (1) Blaster; fifty-seven (57) Laborers; one (1) Two-horse Team.

GEO. A. JEREMIAH,  
Superintendent of Street Improvements.

## Document "G."

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF SEWERS, ROOM NO. 21, CITY HALL,  
NEW YORK, October 7, 1879.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—In compliance with your instructions, I beg leave to hand you herewith a report of the transactions of this Bureau for the quarter ending September 30, 1879.

Respectfully,  
STEVENSON TOWLE,  
Engineer in Charge of Sewers.

## REPORT OF THE TRANSACTIONS OF THE BUREAU OF SEWERS FOR THE QUARTER ENDING SEPTEMBER 30, 1879.

Credit to General Fund—	
Amount received for 270 permits for sewer connections	\$5,570 10
Vitrified Stoneware Pipe—	
Amount received for pipe sold to contractors and credited to Street Improvement Fund	\$166 15
Engineers' Fees—	
Amount of Engineers and Surveyors fees assessed on property benefited, charged in assessment lists, and credited to Street Improvement Fund	\$1,287 00
Sewer Repair Stock—	
Unexpended balance March 31, 1876	\$563 03
Sewers—Repairing and Cleaning—	
Unexpended balance June 30, 1879	\$22,163 83
From Board of Estimate and Apportionment	6,300 00
	\$28,463 83
Vouchers transmitted to the Commissioner of Public Works:	
Pay-rolls, Mechanics and laborers	\$7,857 22
Special repairs to sewers, basins, etc.	5,289 00
Thomas Barrington, cleaning basins, etc.	2,100 00
Materials and sundries	1,508 95
Balance on hand September 30, 1879	11,708 66
	\$28,463 83
Salaries—Sewers—Repairing and Cleaning—	
Unexpended balance June 30, 1879	\$5,313 00
Vouchers transmitted to the Commissioner of Public Works:	
Pay-rolls of Inspectors, etc.	\$3,022 06
Balance on hand September 30, 1879	2,290 94
	\$5,313 00
Salaries—Sewerage System—	
From Board of Estimate and Apportionment, September, 1879	\$4,700 00
Vouchers transmitted to the Commissioner of Public Works:	
Pay-rolls of Engineers, etc.	\$2,363 57
Balance on hand September 30, 1879	2,336 43
	\$4,700 00
Street Improvement Fund—	
Vouchers transmitted to the Commissioner of Public Works	\$29,177 42
Pay-rolls of Engineers, etc.	\$6,226 34
Pay-rolls of Inspectors on Sewers	3,916 00
On contracts for sewers, etc.	18,797 29
Sundries	237 79
	\$29,177 42
Work done by mechanics and laborers, William Webb, Foreman—	
1,435 receiving-basins and culverts cleaned.	
4,250 lineal feet of sewer cleaned.	
25 lineal feet of new sewer built.	
340 lineal feet of sewer rebuilt.	
117 lineal feet of culvert rebuilt.	
99 lineal feet of spur-pipe laid.	
8 receiving-basins rebuilt.	
63 receiving-basins repaired.	
26 new basin heads and gutter stones put on.	
9 basin heads reset.	
14 new basin covers put on.	
35 basin covers replaced.	
5 new manholes built.	
2 manholes rebuilt.	
112 manholes repaired.	
64 new manhole heads and covers put on.	
88 manhole heads reset.	
24 new manhole covers put on.	
6 lineal feet of stone drain built.	
9 lineal feet of new gutter stone put in.	
15 lineal feet of new curb stone put in.	
21 lineal feet of curb stone reset.	
200 open joints of brick sewer pointed with cement.	
453 cubic yards of earth excavated.	
534 cubic yards of earth filled in.	
5 cubic feet of brick work built.	
28 square feet of flagging relaid.	
132 square feet of stone crosswalk relaid.	
876 square feet of sidewalk relaid.	
1,615 square yards of pavement relaid.	
2,694 cart loads of dirt removed.	
Work done by contract—	
4,205 lineal feet of sewer built.	
186 lineal feet of culvert built.	
6 receiving-basins built, and	
73 piles driven.	
Making the present total length of sewerage in the city 1,955,587 lineal feet (370 38.100 miles), with 4,502 receiving-basins.	

## Document "H."

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF STREETS, ROOM 19, CITY HALL,  
NEW YORK, October 6, 1879.

ALLAN CAMPBELL, Esq., Commissioner of Public Works:

SIR—In compliance with your instructions, I have the honor to submit herewith my report of the transactions of the Bureau of Streets for the quarter ending September 30, 1879.

The principal roads, avenues, and streets in the upper part of the city have been maintained in a fair condition for travel, which is shown in detail by the examination of the following statement:

## Repairing.

Eighty-second street, from Eighth to Tenth avenue.  
Eighty-third street, from Eighth to Tenth avenue.  
Eighty-fourth street, from Eighth to Tenth avenue.  
Eighty-seventh street, from Third avenue to Avenue B.  
Eighty-eighth street, from Third avenue to Avenue B.  
Eighty-ninth street, from Third avenue to Avenue A.  
Ninetieth street, from First avenue to Avenue A.  
One Hundred and Eighth street, from Third to Fourth avenue.  
One Hundred and Ninth street, from Third to Lexington avenue.  
One Hundred and Twelfth street, from Third to Madison avenue.  
One Hundred and Thirteenth street, from Second to Third avenue.  
One Hundred and Fifteenth street, from Sixth avenue to Avenue St. Nicholas.  
One Hundred and Eighteenth street, from Third to Fourth avenue.  
One Hundred and Twentieth street, from Sixth to Madison avenue.  
One Hundred and Twenty-seventh street, from Second to Third avenue.  
One Hundred and Fifty-first street, from Boulevard to Hudson river.  
One Hundred and Fifty-fifth street, from Seventh avenue to McComb's Dam road.  
Lexington avenue, from Eighty-first to Eighty-fifth street.  
Lexington avenue, from One Hundred and Fifth to One Hundred and Eighteenth street.  
Kingsbridge road, from One Hundred and Fifty-fifth street to Kingsbridge.  
Inwood lane, from Kingsbridge road to Hudson river.  
McComb's Dam lane, from Eighth avenue to One Hundred and Fifty-fifth street.  
Culverts on Kingsbridge road, near One Hundred and Eighty-fourth street.  
Replanking Dykeman's bridge on Kingsbridge road.  
Removing dirt and stones on One Hundred and Fifty-fifth street and Avenue St. Nicholas.  
The following are the roads and avenues that have been sprinkled:  
Kingsbridge road, from One Hundred and Sixty-second street to Kingsbridge.  
Avenue St. Nicholas, from One Hundred and Fifty-fifth to One Hundred and Sixty-second street.  
Tenth avenue, from One Hundred and Forty-third to One Hundred and Fifty-fifth street.  
McComb's Dam lane, from One Hundred and Fifty-fifth street to Eighth avenue.  
Fifth avenue, from One Hundred and Tenth street to Mount Morris.  
One Hundred and Fifty-fourth street, from Seventh avenue to Central bridge.

The following is a statement of the appropriation and expenditures of the Bureau for the quarter ending September 30, 1879:

Amount appropriated for 1879	\$18,000 00
Amount expended, first quarter	511 02
Balance April 1, 1879	\$17,488 98
Amount expended, second quarter	5,114 61
Balance July 1, 1879	\$12,374 37
Amount expended for the quarter ending September 30, 1879:	
Pay-roll, laborers, etc., for two weeks ending June 30	\$1,006 22
" " " " July 15	991 40
" " " " July 31	1,058 69
" " " " August 15	1,028 76
" " " " August 30	884 55
" " " " September 15	889 79
James J. Mooney, traveling expenses	62 50
N. Y. Belting and Packing Co., hose and couplings	92 65
Wm. McDonald, broken stone	680 00
McClain Brothers, wrenches	12 00
Philip Divers, sprinklers	116 00
John A. Bouker, broken stone	977 55
P. Daly, repairing tools, etc.	102 62
	7,902 73
Balance October 1, 1879	\$4,471 64

Respectfully,  
JAMES J. MOONEY, Superintendent of Streets.

## Document "I."

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF LAMPS AND GAS,  
NEW YORK, October 10, 1879.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—In compliance with your instructions I herein submit a report of the transactions of the Bureau of Lamps and Gas for the three months ending September 30, 1879.

In Exhibit "A" will be found a statement showing the amounts expended for gas to the various public markets, offices, armories, etc., and for fitting-up, maintenance, and lighting the public lamps during the quarter. Exhibit "B" is a summary of the appropriation for "Lamps and Gas," showing an expenditure for the past three months of one hundred and fourteen thousand four hundred and forty-nine dollars and thirty cents (\$114,449.30), with liabilities for lighting the public lamps, etc., amounting to forty-four thousand five hundred and seventy dollars and seventy-seven cents (\$44,570.77), leaving an available balance of one hundred and twenty-four thousand seven hundred and fifty-one dollars and eighty-seven cents (\$124,751.87). Exhibit "C" is a summary of the appropriation for "Salaries, Lamps and Gas," showing an expenditure during the quarter of one thousand five hundred and twelve dollars (\$1,512.00), leaving an available balance of one thousand eight hundred and thirty-two dollars (\$1,832.00). In Exhibit "D" will be found a summary of the "Lamp Account," giving the number of new lamps lighted, old lamps relighted, and lamps discontinued by each gas company during the quarter, showing a total of one hundred and thirty-six new lamps lighted, one hundred and seven old lamps relighted, and thirty-four lamps discontinued on streets and avenues; and one hundred and forty-eight new lamps lighted, one hundred and fifteen old lamps relighted, and three lamps discontinued on the public parks and places; the total number of lamps burning on September 30 being twenty-two thousand eight hundred and twenty-one. The net increase on streets and avenues over the number burning on June 30 is two hundred and nine, and the total increase, including the lamps transferred from the account of the Department of Parks by chapter 478 of the Laws of 1879, is eleven hundred and six. Exhibit "E" is a statement showing the illuminating power of the gas supplied by the several gas-light companies during the quarter.

The following table will show the amount of impurities found in the gas of the several companies as ascertained by the analysis made by Mr. E. G. Love, the Gas Examiner, at the laboratory of this Department.

OF WHAT COMPANY.	SULPHURETTED HYDROGEN.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)
New York Gas-light Co.	None.	31.55	Trace.
Manhattan Gas-light Co.	"	24.95	3.25
New York Mutual Gas-light Co.	"	7.38	Trace.
Metropolitan Gas-light Co.	"	20.85	3.88
Harlem Gas-light Co.	"	49.04	2.44

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



The following is the specific gravity of the gases :

New York Gas-light Company, specific gravity.....	.442 to .465
Manhattan Gas-light Company, ".....	.447 to .480
N. Y. Mutual Gas-light Company, ".....	.690 to .725
Metropolitan Gas-light Company, ".....	.572 to .638
Harlem Gas-light Company, ".....	.441 to .461

The following will show the average maximum and minimum pressure on the mains of the several gas companies, as recorded on the pressure registers in the photometrical rooms of this Department; this average being made for the time during which the public lamps are required to be kept lighted, and hence does not include the day pressure :

OF WHAT COMPANY.	AVERAGE MAXIMUM PRESSURE.	AVERAGE MINIMUM PRESSURE.	WHERE TAKEN.	DISTANCE FROM GAS-WORKS.
	Inches.	Inches.		Miles.
New York Gas-light Co.....	1.28	1.06	Grand and Centre streets.....	2.100
Manhattan Gas-light Co.....	1.91	1.21	" ".....	1.100
New York Mutual Gas-light Co....	1.68	1.17	" ".....	1.700
Metropolitan Gas-light Co.....	1.63	.56	{ Seventy-ninth street, between { Second and Third avenues.. }	3.100
Harlem Gas-light Co.....	2.77	1.73	{ Seventy-ninth street, between { Second and Third avenues.. }	1.700

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, Offices, etc., and for Fitting up, Repairing, and Lighting the Public Lamps, etc., for the Quarter ending September 30, 1879.

Washington Market.....	\$485 83
Catharine Country Market.....	26 98
Catharine Meat Market.....	19 95
Fulton Meat Market.....	136 23
Fulton Country Market.....	256 69
Essex Market.....	78 85
Centre Market.....	188 29
Clinton Market.....	174 61
Union Market.....	37 24
Tompkins Market.....	90 06
Jefferson Market.....	84 55
First District Police Court.....	199 69
Second District Police Court.....	34 77
Third District Police Court.....	39 14
Fourth District Police Court.....	25 38
Fifth District Police Court.....	6 00
Court of Special Sessions.....	1 14
Second District Civil Court.....	16 53
Fourth District Civil Court.....	1 90
Fifth District Civil Court.....	2 66
Sixth District Civil Court.....	76
Eighth District Civil Court.....	3 99
Ninth District Civil Court.....	80
Marine Court.....	5 70
Brown Stone (Court Room) Building.....	23 18
New Court-house.....	714 59
City Hall.....	462 08
Receiver of Taxes' Office.....	78 28
Arrears of Personal Taxes Office.....	1 14
Corporation Attorney's Office.....	28 31
Pipe Yard, Rivington street.....	1 71
Department of Buildings Office.....	4 75
County Jail.....	367 84
South Gate House.....	7 60
Engine House High Bridge.....	99 40
Photometrical Room, Grand street.....	8 36
Photometrical Room, Seventy-ninth street.....	98
Clock, Third District Court-house.....	49 40
Armory, Fifth Regiment.....	51 87
Armory, Seventh Regiment.....	42 75
Armory, Eighth Regiment.....	16 65
Armory, Ninth Regiment.....	134 33
Armory, Eleventh Regiment.....	45 03
Armory, Twelfth Regiment.....	45 41
Armory, Twenty-second Regiment.....	235 60
Armory, Sixty-ninth Regiment.....	48 07
Armory, Seventy-first Regiment.....	60 23
Armory, Third Regiment Cavalry.....	19 19
Armory, Sep. Troop "A".....	10 07
Armory, Sep. Troop "B".....	16 91
Armory, Battery "B".....	6 65
Armory, Battery "K".....	2 85
Public Bath, Gouverneur slip.....	50 16
Public Bath, Fifth street, E. R.....	37 43
Public Bath, Bethune street, N. R.....	48 64
Public Bath, Thirty-seventh street, E. R.....	31 96
Public Bath, Thirty-fifth street, N. R.....	21 35
Public Bath, One Hundred and Fourteenth street, E. R.....	39 20
Public Bath, Battery.....	28 12
Lighting Public Markets, pay-rolls.....	285 00
Cleaning Photometrical Room, pay-roll.....	15 00
New lamp-posts.....	1,155 25
New lamp-posts, Twenty-third and Twenty-fourth Wards.....	739 00
New street lamps.....	935 00
New street lamps, Twenty-third and Twenty-fourth Wards.....	300 00
New Boulevard lamps.....	1,013 75
New Boulevard lamps for Public Parks.....	1,971 25
New crossheads.....	227 50
New crossheads, Twenty-third and Twenty-fourth Wards.....	45 00
New lamp-irons for Public Parks.....	216 00
Glass, Twenty-third and Twenty-fourth Wards.....	92 50
Glass street signs.....	951 78
Tracing paper, etc.....	6 80
Supplies for Photometrical Rooms.....	332 64
Lamp maps.....	234 00
Iron bolts.....	11 25
Gansevoort square, laying gas-mains, etc.....	425 00
Granite base.....	73 00
Traveling expenses.....	79 90
Photometrical Rooms, Grand street, rent.....	87 50
Photometrical Rooms, Seventy-ninth street, rent.....	75 00
Fitting up new lamps.....	766 00
Fitting up new lamps, Twenty-third and Twenty-fourth Wards.....	350 00
Resetting and repairing lamp-posts.....	1,638 50
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	70 50
Lighting public lamps.....	64,065 24
Lighting public lamps, Public Parks.....	1,560 28
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	31,968 83
<b>Total.....</b>	<b>\$114,449 30</b>

#### EXHIBIT "B."

Summary of the Appropriation for "Lamps and Gas for 1879," showing the Balance against which no Vouchers have been drawn, with the Amount of Liabilities against the Appropriation, for the Quarter ending September 30, 1879.

Amount appropriated for Lamps and Gas, for 1879.....	\$524,000 00
Amount of vouchers drawn during quarter ending March 31.....	\$82,030 85
Amount of vouchers drawn during quarter ending June 30.....	117,197 21
Amount of vouchers drawn during quarter ending September 30.....	114,449 30
	<b>313,677 36</b>

Balance against which no vouchers have been drawn..... \$210,322 64  
Add amount transferred by Board of Apportionment for Department of Public Parks..... 4,000 00

**\$214,322 64**

Deduct amount transferred by Board of Apportionment, viz.:

May 20. To appropriation for "Aqueduct, Repairs and Maintenance, 1879,".....	\$20,000 00
Aug. 1. To appropriation for "Expenses, Altering Maps of the City west of Eighth avenue, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets".....	2,000 00
Sept. 30. To appropriation for "Repair and Renewal of Pavements".....	6,000 00
" 30. To appropriation for "Repair and Renewal of Pipes, Stop-cocks, etc.".....	6,000 00
" 30. To appropriation for "Sewers, Repairing and Cleaning".....	6,300 00
" 30. To appropriation for "Salaries, Sewerage System".....	4,700 00
	<b>45,000 00</b>

Balance..... **\$169,322 64**

#### LIABILITIES.

New York Gas-light Co., lighting public lamps, month of September.....	\$4,110 01
Manhattan Gas-light Co., lighting public lamps, month of September.....	7,306 67
Metropolitan Gas-light Co., lighting public lamps, month of August.....	6,276 30
Metropolitan Gas-light Co., lighting public lamps, month of September.....	6,550 93
Harlem Gas-light Co., lighting public lamps, month of September.....	6,812 60
N. Y. Mutual Gas-light Co., lighting public lamps, month of September.....	1,306 54
Central Gas-light Co., lighting public lamps, month of September.....	6,668 95
Northern Gas-light Co., lighting public lamps, month of September.....	4,114 27
Yonkers Gas-light Co., lighting public lamps, month of September.....	180 00
E. P. Gleason Manufacturing Co., lamp-posts, etc., for Mayor's residence.....	180 00
B. J. Tyndale, lettering globe lamps.....	100 00
Bartlett Lamp Manufacturing Co., 250 lamp-irons.....	170 00
Chas. B. Cornell, painting Park lamps.....	350 00
Otto Sibeth, maps of Public Parks.....	75 00
Hotchkiss, Field & Co., 50 lamp-posts.....	369 50
	<b>44,570 77</b>

Balance available September 30..... **\$124,751 87**

#### EXHIBIT "C."

Summary of the Appropriation for "Salaries, Lamps and Gas for 1879," showing the Balance against which no Vouchers have been drawn, for the Quarter ending September 30, 1879.

Amount appropriated for "Salaries, Lamps and Gas for 1879".....	\$6,000 00
Amount of vouchers drawn during the quarter ending March 31.....	\$1,304 00
Amount of vouchers drawn during the quarter ending June 30.....	1,352 00
Amount of vouchers drawn during the quarter ending September 30.....	1,512 00
	<b>4,168 00</b>

Balance available September 30..... **\$1,832 00**

#### EXHIBIT "D."

Summary of the "Lamp Account," showing the Number of New Lamps Lighted, Old Lamps Relighted, and number Discontinued by each Gas Company, during the Quarter ending September 30, 1879.

NEW YORK GAS-LIGHT COMPANY.	
Number of lamps burning June 30, 1879.....	3,241
Number of new lamps lighted during the quarter.....	28
Number of old lamps relighted during the quarter.....	4
	<b>3,273</b>

Less lamps discontinued during the quarter..... 8

Number of lamps burning September 30, 1879..... **3,265**

MANHATTAN GAS-LIGHT COMPANY.	
Number of lamps burning June 30, 1879.....	6,681
Number of new lamps lighted during the quarter.....	28
Number of old lamps relighted during the quarter.....	4
	<b>6,713</b>

Less lamps discontinued during the quarter..... 7

Number of lamps burning September 30, 1879..... **6,706**

METROPOLITAN GAS-LIGHT COMPANY.	
Number of lamps burning June 30, 1879.....	3,998
Number of new lamps lighted during the quarter.....	19
Number of old lamps relighted during the quarter.....	29
	<b>4,046</b>

Less lamps discontinued during the quarter..... 8

Number of Lamps burning September 30, 1879..... **4,038**

NEW YORK MUTUAL GAS-LIGHT COMPANY.	
Number of lamps burning June 30, 1879.....	587
Number of new lamps lighted during the quarter.....	19
Number of lamps relighted.....	15
	<b>587</b>

Less lamps discontinued during the quarter.....

Number of lamps burning September 30, 1879..... **587**

HARLEM GAS-LIGHT COMPANY.	
Number of lamps burning June 30, 1879.....	4,377
Number of new lamps lighted during the quarter.....	26
Number of old lamps relighted during the quarter.....	68
	<b>4,471</b>

Less lamps discontinued during the quarter..... 8

Number of lamps burning September 30, 1879..... **4,463**

CENTRAL GAS-LIGHT COMPANY.	
Number of lamps burning June 30, 1879.....	1,749
Number of new lamps lighted during the quarter.....	35
Number of old lamps relighted during the quarter.....	2
	<b>1,786</b>

Less lamps discontinued during the quarter..... 3

Number of lamps burning September 30, 1879..... **1,783**

NORTHERN GAS-LIGHT COMPANY.	
Number of lamps burning June 30, 1879.....	1,010
Number of new lamps lighted during the quarter.....	2
Number of old lamps relighted during the quarter.....	2
	<b>1,010</b>

Less lamps discontinued during the quarter.....

Number of lamps burning September 30, 1879..... **1,010**



## YONKERS GAS-LIGHT COMPANY.

Number of lamps burning June 30, 1879.....	72
Number of new lamps lighted during the quarter.....	
Number of old lamps relighted during the quarter.....	72
Less lamps discontinued during the quarter.....	
Number of lamps burning September 30, 1879.....	72
Total burning on streets, avenues, and piers, September 30, 1879.....	21,924

## PUBLIC PARKS LAMP ACCOUNT.

## NEW YORK GAS-LIGHT COMPANY.

Number of lamps transferred from Department of Parks, July 1.....	227
Number of old lamps relighted during the quarter.....	44
Less lamps discontinued during the quarter.....	271
Number of lamps burning September 30, 1879.....	270

## METROPOLITAN GAS-LIGHT COMPANY.

Number of lamps transferred from Department of Parks, July 1.....	80
Number of old lamps relighted during the quarter.....	38
Less lamps discontinued during the quarter.....	118
Number of lamps burning September 30, 1879.....	116

## NEW YORK MUTUAL GAS-LIGHT COMPANY.

Number of lamps transferred from Department of Parks July 1.....	258
Number of new lamps lighted during the quarter.....	148
Number of old lamps relighted during the quarter.....	33
Less lamps discontinued during the quarter.....	439
Number of lamps burning September 30, 1879.....	439

## HARLEM GAS-LIGHT COMPANY.

Number of lamps transferred from Department of Parks July 1.....	56
Number of old lamps relighted during the quarter.....	
Less lamps discontinued during the quarter.....	56
Number of lamps burning September 30, 1879.....	56

## CENTRAL GAS-LIGHT COMPANY.

Number of lamps transferred from Department of Parks July 1.....	16
Number of old lamps relighted during the quarter.....	
Less lamps discontinued during the quarter.....	16
Number of lamps burning September 30, 1879.....	16

Total burning on Public Parks and Places September 30, 1879.....	897
Total burning on streets, avenues, and piers, September 30, 1879.....	21,924

Total number of lamps burning September 30, 1879.....	22,821
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## RECAPITULATION.

Number of lamps burning June 30, 1879.....	21,715
Number of new lamps lighted during the quarter.....	136
Number of old lamps relighted during the quarter.....	107
Number of lamps transferred from Department of Parks.....	637
Number of new lamps lighted on Parks during the quarter.....	148
Number of old lamps relighted on Parks during the quarter.....	115
	900
	1,143

Less lamps discontinued during the quarter.....	34
Less Park lamps discontinued during the quarter.....	3
	37
Total number of lamps burning September 30, 1879.....	22,821

## EXHIBIT "E."

Statement giving the Illuminating Power of the Gas supplied by the several Gas-light Companies during the quarter ending September 30, 1879, as shown by the Daily Observations at the Photometrical Rooms of the Department of Public Works.

FOR WHAT TIME.		NEW YORK GAS CO.			MANHATTAN GAS CO.			NEW YORK MUTUAL GAS CO.			METROPOLITAN GAS CO.			HARLEM GAS CO.		
		ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.		
		Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
During the Week Ending																
July	5...	16.64	17.13	16.94	17.11	17.35	17.25	17.24	18.09	17.76	18.13	18.58	18.35	16.32	17.06	16.54
"	12...	16.19	17.07	16.54	15.70	16.96	16.50	17.04	18.45	17.72	17.85	18.47	18.18	16.05	16.64	16.37
"	19...	15.98	16.51	16.23	16.62	17.36	17.06	17.03	18.05	17.57	16.74	19.65	17.84	15.91	16.60	16.23
"	26...	16.45	16.63	16.50	16.92	17.05	16.95	17.82	18.50	18.20	16.59	17.67	17.33	15.35	16.52	16.19
Aug.	2...	16.30	16.72	16.58	16.87	17.17	17.05	17.78	19.78	18.75	16.98	17.81	17.37	16.18	16.57	16.36
"	9...	16.64	17.29	17.01	17.16	17.72	17.45	17.89	19.22	18.77	17.26	17.86	17.65	16.11	17.19	16.55
"	16...	16.82	17.06	16.92	16.51	17.74	17.12	17.78	19.40	18.39	17.79	18.09	17.94	16.06	16.66	16.35
"	23...	16.21	16.92	16.55	16.78	17.45	17.10	17.57	18.67	18.22	17.60	18.47	17.92	16.12	16.61	16.37
"	30...	16.01	17.17	16.58	16.71	17.21	17.03	18.30	18.88	18.63	17.07	17.71	17.48	15.98	16.46	16.22
Sept.	6...	16.28	17.19	16.73	16.51	17.73	17.64	19.23	20.20	19.63	17.08	17.91	17.31	15.39	15.92	15.61
"	13...	16.13	16.94	16.35	16.29	17.10	16.76	19.05	19.92	19.56	16.78	17.94	17.47	16.12	16.46	16.27
"	20...	16.20	16.73	16.53	16.91	17.66	17.18	18.92	20.38	19.56	16.93	17.67	17.37	16.13	16.85	16.52
"	27...	16.31	16.68	16.55	16.51	17.28	16.90	17.82	20.72	19.08	17.43	18.29	17.74	16.13	16.62	16.42
Dist'ce from Gas Works		2 4-100 Miles.			1 83-100 Miles.			1 79-100 Miles.			3 33-100 Miles.			1 75-100 Miles.		

## Document "J."

CITY OF NEW YORK, DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF REPAIRS AND SUPPLIES,  
SUPERINTENDENT'S OFFICE, CITY HALL, ROOM 18,  
NEW YORK, October 8, 1879.

ALLAN CAMPBELL, Esq., Commissioner of Public Works:

SIR—In compliance with your request, I submit a report of the transactions of this Bureau for the three months ending September 30, 1879.

The exhibits marked "A," "B," and "C," hereto annexed, show the number and amount of certified vouchers drawn during the three months, also the condition of the appropriations upon which they have been drawn and where the money has been applied.

The work of putting glass dials and arrangements for illuminating them in the clock on Third District Court-house, the work of renovating the First District Civil Court-rooms, and the work of fitting up the office of Commissioner of Jurors, in progress at the time of last report, were completed during the quarter.

The outside work of all the doors and windows and the iron guards and railing of Third District Court-house were oiled and painted.

The roof City Arsenal was repaired. The brown stone base of City Hall on the east and west sides was restored, the roof was repaired, and the Marine Court-room was painted and frescoed.

A large portion of the heating apparatus in basement of New Court-house was thoroughly overhauled and put in order, and two jury rooms and chambers of Supreme Court were painted.

At the Seventh District Court-house the retaining wall in court yard was removed, and the steam heating apparatus repaired.

New carpets were purchased for a number of court-rooms, and a large quantity of carpet and matting beaten and relaid.

The new public bath was completed and located at the Battery. A contract was entered into for the construction of another bath to be located at foot of East Seventeenth street.

The usual repairs to roofs and floors of markets, and plumbing, etc., in other buildings were made.

The work of keeping the courts, offices, and buildings clean was performed as heretofore.

Respectfully,  
THOMAS KEECH,  
Superintendent of Repairs and Supplies.

## EXHIBIT "A."

Showing the Amount of Expenditures for which Certified Vouchers have been drawn on account of the several Appropriations therein named, and also showing the Buildings, Courts, Departments, etc., to which the same has been charged, from July 1 to September 30, 1879, inclusive.

NAMES OF BUILDINGS, COURTS, DEPARTMENTS, ETC.	Supplies for and Cleaning Public Offices.	Public Buildings—Construction and Repairs.	Salaries—Supplies for and Cleaning Public Offices.	Salaries—Public Buildings—Construction and Repairs.	Free Floating Baths.	Free Floating Baths—Battery.	Free Floating Baths—Salaries.	Additional Free Floating Baths.	Contingencies—Department Public Works.	TOTALS.
First District Police Court.....	\$4 21									\$4 21
Second ".....	34 73									34 73
Third ".....	47 51	\$17 26								64 77
First District Civil Court.....	160 20	351 54								511 74
Second ".....	31 00									31 00
Sixth ".....	137 75	5 11								142 86
Seventh ".....	100 05									100 05
Ninth ".....	124 46	68 99								193 45
Court of General Sessions.....	434 00									434 00
Court of Special Sessions.....	321 70									321 70
Supreme Court.....	248 05									248 05
Superior Court.....	208 68									208 68
Marine Court.....	521 78									521 78
Court of Common Pleas.....	145 83									145 83
Washington Market.....		14 55								14 55
Jefferson ".....		294 67								294 67
Catharine ".....		265 00								265 00
Clinton ".....		62 20								62 20
Union ".....		163 88								163 88
Fulton ".....		1,365 70								1,365 70
Essex ".....		282 67								282 67
Centre ".....		67 54								67 54
Executive Department.....	238 57									238 57
Law ".....	38 70									38 70
Department of Public Works.....	921 14									921 14
Department of Finance.....	32 50									32 50
Bureau of Repairs and Supplies, D. P. W.....	508 78	328 07								836 85
Bureau of Repairs and Supplies, D. P. W., Pay-rolls.....	9,557 00		\$3,646 52	\$465 00						13,668 52
Register's Office.....	70 00									70 00
Commissioners of Accounts.....	31 00									31 00
County Clerk's Office.....	106 00									106 00
District Attorney's Office.....	332 04									332 04
City Record.....	60 00									60 00
New Court-house.....	164 17	1,537 80								1,701 97
Court-house, Third District.....	170 00	1,340 82								1,510 82
" Fifth District.....		37 10								37 10
" Seventh District.....	78 00	162 65								240 65
" Ninth District.....		31 75								31 75
City Hall.....	203 80	2,684 67								2,888 47
Brown Stone Building.....	204 00	195 15								399 15
Hall of Records.....		103 40								103 40
City Prison.....		351 95								351 95
County Jail.....		745 04								745 04
City Arsenal.....		97 00								97 00
137 and 141 West Twenty-third street.....		223 00								223 00
Dog Pound.....	49 56	241 95								291 51
Southeast corner Tenth avenue and Little Twelfth street.....		25 51								25 51
Eighth Regiment.....	41 66									41 66
Ninth ".....	83 33									83 33
Free Floating Baths.....					\$859 19	\$8,799 94	\$8,062 44	\$2,976 26	\$34 30	20,732 13
	\$15,410 20	\$17,064 97	\$3,646 52	\$465 00	\$859 19	\$8,799 94	\$8,062 44	\$2,976 26	\$34 30	\$51,318 82



## EXHIBIT "B,"

Showing the Number and Amount of Vouchers drawn on account of the Appropriations therein named, from July 1 to September 30, 1879, inclusive.

TITLE OF APPROPRIATION.	NUMBER OF VOUCHERS.	AMOUNT.
Supplies for and Cleaning Public Offices.....	65	\$15,410 20
Salaries—Supplies for and Cleaning Public Offices.....	3	3,646 52
Public Buildings—Construction and Repairs.....	79	11,064 97
Salaries—Public Buildings—Construction and Repairs.....	3	465 00
Free Floating Baths.....	4	859 19
Free Floating Baths—For Bath at Battery.....	11	8,799 94
Salaries—Free Floating Baths.....	4	8,062 44
Additional Free Floating Baths.....	6	2,976 26
Contingencies—Department of Public Works.....	1	34 30
Totals.....	176	\$51,318 82

## EXHIBIT "C,"

Showing the condition of Appropriations of 1879, and Special Fund upon which Vouchers have been drawn, from July 1 to September 30, 1879, inclusive.

Supplies for and Cleaning Public Offices—	
Balance June 30, 1879.....	\$28,068 41
Vouchers drawn.....	15,410 20
	\$12,658 21
Liabilities (estimated).....	3,879 95
Available balance.....	\$8,778 26
Salaries—Supplies for and Cleaning Public Offices—	
Balance June 30, 1879.....	\$7,195 20
Vouchers drawn.....	3,646 52
Available balance.....	\$3,548 68
Public Buildings—Construction and Repairs—	
Balance June 30, 1879.....	\$23,541 83
Vouchers drawn.....	11,064 97
	\$12,476 86
Liabilities (estimated).....	3,587 71
Available balance.....	\$8,889 15
Salaries—Public Buildings—Construction and Repairs—	
Balance June 30, 1879.....	\$1,068 50
Vouchers drawn.....	465 00
Available balance.....	\$603 50
Additional Free Floating Baths—	
Balance June 30, 1879.....	\$3,240 59
Vouchers drawn.....	2,976 26
	\$264 33
Liabilities (estimated).....	225 00
Available balance.....	\$39 33
Free Floating Baths—	
Balance June 30, 1879.....	\$9,015 89
Vouchers drawn.....	\$859 19
Amount transferred.....	7,000 00
	7,859 19
Liabilities (estimated).....	\$1,156 70
Available balance.....	35 00
	\$1,121 70
Salaries—Free Floating Baths—	
Balance June 30, 1879.....	\$2,867 50
Amount transferred.....	7,000 00
	\$9,867 50
Vouchers drawn.....	8,062 44
Available balance.....	\$1,805 06
Free Floating Baths—For Bath at Battery—	
Balance June 30, 1879.....	\$9,269 70
Vouchers drawn.....	8,799 94
	\$469 76
Liabilities.....	
Available balance.....	\$469 76

## Document "K."

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF INCUMBRANCES, ROOM 13, CITY HALL,  
NEW YORK, October 10, 1879.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—I submit herewith report of the operations of this Bureau for the quarter ending September 30, 1879 (months of July, August and September).

Number of complaints received against obstructions and incumbrances on streets and sidewalks, for each of which an official notice was served on the offending party for the removal or discontinuance of same, 1,740.

Number of removals to the Corporation yard or other suitable place, of merchandise, trucks, wagons, stands, stones, dirt, etc., 97.

Expense of such removals (including 390 loads of stones, rubbish, etc.), from various parts of the city, \$400.

Total expenses for the quarter, \$965.33.

Received for redemption of articles seized, \$17.25, which was paid over to the City Chamberlain, as also the amount of \$292.53 received from the sale of old iron, gas fixtures, etc., at auction sale held August 1, 1879.

Number of permits issued for building purposes.....	1,602
" " " " special purposes.....	85
" " " " to cut down trees.....	9
" notices issued to repair sidewalks.....	43
" " " " vaults.....	2

While heretofore my reports to you have unvaryingly detailed the difficulties under which this Bureau has struggled to give effect to your instructions and oft repeated recommendations in your official communications and otherwise, looking to the abatement and removal of the many incum-

brances and obstructions on the streets and sidewalks of this city, I am now enabled to congratulate you and the general public upon the favorable result of your persistent efforts to bring about a determination of this question, in the recent decision of the Supreme Court. Under that decision, and in compliance with your instructions, this Bureau has removed the much complained of obstructions on Vesey and other streets around the Washington Market, and is steadily engaged in the same work in different parts of the city, as is evidenced by the largely increased number of notices issued for the removal of incumbrances and obstructions. The evil has grown so great, and the means placed at the disposal of this Bureau are so small and inadequate, that the work is naturally a slow one; but now that the law is defined, and we can reasonably expect the support and assistance of the police and other departments of the city government, we can at least gradually lessen the evil, and prevent the further violation not only of law, but of comfort, cleanliness, order, health, and the decent appearance of our streets, etc.

Respectfully,

JOSEPH BLUMENTHAL,  
Superintendent of Incumbrances.

## Document "L."

NEW YORK, September 30, 1879.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—I herewith transmit statement of moneys received for water rents, penalties, and taps for the quarter ending September 30, 1879:

	Principal.	Penalties.	Taps.
July.....	\$636,032 23	\$336 85	\$890 00
August.....	61,317 76	1,054 80	662 00
September.....	96,127 57	1,909 55	1,005 00
Total.....	\$793,477 56	\$3,301 20	\$2,557 00

Respectfully submitted,

J. H. CHAMBERS, Water Register.

## POLICE DEPARTMENT.

The Board of Police met on the 21st day of November, 1879.

Present—Messrs. Wheeler, MacLean, French, and Morrison, Commissioners.

Resolved, That Commissioner French be appointed Chairman and acting President until the next meeting of the Board.

## Leaves of Absence Granted.

Captain Jeremiah Petty, Thirty-first Precinct, two days.  
Sergeant E. P. Whitcomb, Twenty-sixth Precinct, four days.

## Leaves of Absence Granted under Rule 564.

- November 8. Patrolman John W. Noble, Eighth Precinct, two days.  
8. " E. J. Barron, Fourth Precinct, one day.  
12. " James Fitzgerald, Nineteenth Precinct, three days.  
12. " John McCauley, Thirteenth Precinct, half day.  
12. " John Muldoon, Thirty-third Precinct, half day.  
12. Sergeant Michael Leamy, Fourteenth Precinct, half day.  
13. Patrolman George Mayforth, Seventeenth Precinct, two days.  
13. " John Crook, Seventh Precinct, two and a half days.  
13. " Kerin J. Larkin, Thirteenth Precinct, half day.  
15. " D. H. Jackson, Fifth Precinct, one day.  
15. " John D. O'Brien, Fourteenth Precinct, three days.  
17. " John S. Parker, Twenty-sixth Precinct, one day.  
17. " James McCormick, Twenty-ninth Precinct, three days.  
17. " William H. McCormick, Fifteenth Precinct, three days.  
18. " Daniel P. Hackett, Ninth Precinct, three days.  
19. " Thomas Mulhern, Twenty-third Precinct, three days.  
19. " David Regan, Nineteenth Precinct, one and a half days.  
19. " James Mullaney, Fourth Precinct, two days.  
21. Sergeant William Meakim, First District, two days.

## Parades Approved.

William Tell Lodge, D. O. H., November 16. Funeral.  
A. O. Hibernians, No. 31, November 16. Funeral.  
Little Coterie, November 27. Parade.  
Germania Scheutzen Corps, November 15. Parade.  
Germania Scheutzen Corps, No. 39, November 20. Parade.  
Bohemian Sharpshooters, November 24. Parade.  
Harlem Rangers, November 27. Target Excursion.  
Young Athletic Guard, November 27. Target Excursion.  
Ocean Star Guard, November 27. Target Excursion.  
Empire Rangers, November 27. Target Excursion.  
Ninth Avenue Volunteers, November 27. Target Excursion.  
Olympic Volunteers, November 22. Target Excursion.  
High Bridge Light Guard, November 27. Target Excursion.  
Delaney Volunteers, November 27. Target Excursion.  
Employees of F. Bock & Co., November 22. Target Excursion.  
William Young Light Guard, November 27. Target Excursion.  
Sixteenth Ward Young Volunteers, November 27. Target Excursion.  
Sylvan Star Guard, November 27. Target Excursion.  
Young Star Guard, November 27. Target Excursion.  
Report of the Superintendent on communication from James Cosgrove relative to stolen property was ordered on file.  
Report of Captain Ward on application of W. F. Blakeman for police protection at the Infant Asylum was ordered on file.  
Report of the Superintendent relative to enforcement of the Excise Law on Sunday, 16th inst., was ordered on file.  
Reports of the Superintendent relative to character of the "Belvidere" and "Bowery Varieties," were ordered to be forwarded to his Honor the Mayor.  
Report of the Khickerbocker Casualty Co. relative to Steam Boilers insured was referred to the Sanitary Company.  
Report of the Superintendent of Telegraph relative to absence of operator Lucas was ordered on file.

## Death Reported.

Patrolman John M. Jordan, Twenty-seventh Precinct, at 4 P. M. 17th inst.  
Reports of the Board of Surgeons on petitions of Patrolman James S. Brown, Eighth Precinct, and Patrolman Elbert S. King, Fifth Precinct, for detail, were referred to the Superintendent for report.  
The Treasurer submitted a statement in response to Circular No. 12 Finance Department, for the month ending September 30, which was ordered on file, and a copy to be forwarded to the Comptroller.  
Weekly statement of the Comptroller, showing condition of the several accounts of the Police Department, was referred to the Treasurer.  
Application of Roundsman Patrick F. Byrnes, Twenty-third Precinct, for transfer, was ordered on file.  
The following applications for promotion were referred to the Superintendent to cite for examination:  
Roundsman Thomas Farley, Thirteenth Precinct.  
Patrolman Robert J. Vail, Nineteenth Precinct.  
" Francis Kelly, Twenty-fourth Precinct.  
" Michael T. Joyce, Eighteenth Precinct.  
Application of Roundsman Felix McKenna, Twelfth Precinct, for assignment of counsel, was referred to the Counsel to the Corporation to defend if there are good grounds therefor.  
Application of Thomas Hynes for reappointment as doorman was ordered on file.  
Application of Louis Cohen, attorney for Arthur Johnston, who was a member of the Metropolitan Police Force, for the reinstatement of said Johnston, was referred to the Chief Clerk to answer that the application is placed on file.



Communication from Captain Steers, Thirty-second Precinct, asking disposition of a horse unfit for use, and for an additional horse in place thereof, was referred to the Committee on Repairs and Supplies.

The People, ex rel. John Nugent,  
                against  
The Board of Police. } Affidavit and notice of motion.  
Papers referred to the Counsel to the Corporation for action.

Police Fund—Salaries.....	\$267,179 16
Supplies for Police.....	5,000 00
Alterations and Repairs Station-houses.....	1,666 66
Bureau of Street Cleaning.....	54,166 66
Bureau of Elections.....	416 66

aye :

Allan Hay Co., soap.....	\$15 00	James D. Leary, coal.....	\$73 00
Mary A. Baker, meals.....	227 25	“ “.....	73 00
Martin B. Brown, books.....	700 00	“ “.....	73 00
“ “.....	26 71	“ “.....	73 00
“ “.....	9 00	“ “.....	73 00
“ binding.....	12 00	“ “.....	73 00
“ printing.....	306 50	“ “.....	73 00
“ “.....	45 00	“ “.....	98 55
John W. Brown, coal.....	102 00	“ “.....	91 25
“ “.....	85 00	“ “.....	73 00
“ “.....	85 00	“ “.....	73 00
“ “.....	85 00	“ “.....	73 00
“ “.....	50 25	“ “.....	127 75
Clark & Wilkins, wood.....	3 50	“ “.....	73 00
“ “.....	700 00	“ “.....	40 15
Thomas J. Cox, expenses.....	13 20	“ “.....	109 50
Thomas J. Cox., Jr., expenses.....	3 50	“ “.....	36 50
C. D. Cunningham, keeping horse...	25 00	“ “.....	28 00
John Doran, newspapers.....	4 86	Francis McCabe, cartages.....	43 50
“ “.....	4 92	J. W. Mason & Co., chairs.....	7 50
J. Eldred, cartage.....	3 00	“ “.....	7 50
H. W. Elliott, Agent, copygram...	5 00	“ “.....	15 00
Farrar Coal Co., coal.....	45 50	Miller, Morrison & Co., horse brushes.	51 00
Gas Co., N. Y. Mutual, gas.....	235 20	“ “.....	7 50
“ Harlem, gas.....	93 04	E. W. Page, oars.....	35 04
“ Metropolitan, gas.....	24 20	Patterson Brothers, hardware.....	4 22
“ New York.....	16 20	“ “.....	3 60
“ Central, gas.....	24 50	“ “.....	2 67
“ Northern, gas.....	21 90	“ “.....	10 54
Thomas J. Gallon, horseshoeing.....	41 80	“ “.....	3 60
Howe Brothers, horseshoeing.....	48 00	Jeremiah Petty, cartages.....	1 75
Henry Hoile, mason work.....	60 00	Shields & McEvoy, repairs.....	26 88
Isaac A. Hopper, mason work.....	280 00	“ “.....	4 10
James D. Leary, coal.....	73 00	“ “.....	3 75
“ “.....	18 25	“ “.....	8 60
“ “.....	73 00	James C. Talcott, horse feed.....	150 69
“ “.....	73 00	“ “.....	86 51
“ “.....	91 25	“ “.....	21 00
“ “.....	73 00	Watrous & Wilson, lumber.....	38 41
“ “.....	91 25	White & Co., horse feed.....	80 72
“ “.....	76 65	Robert J. Wright, horse feed.....	200 31
“ “.....	73 00		
“ “.....	73 00		
			\$6,237 42

Martin B. Brown, Stationery.....	\$680 00	Martin B. Brown, Printing.....	67 55
“ “ .....	698 50	“ “ .....	30 00
“ “ .....	679 60	“ “ .....	45 00
“ Printing.....	57 00		
“ “ .....	57 00		
			<hr/> \$2,314 65

Twenty-first Precinct, Jeremiah Buckley, hired cartman, vice James Haney, removed.  
Twenty-eighth Precinct, Thos. Kiernan, hired cartman, vice Thos. Kiernan, removed.  
Nineteenth Precinct, Chris. Spieler, hired cartman, vice Chris. Spieler, removed.



Communication from the Health Department relative to driving cattle was referred to the Superintendent.

On report of the Committee on Elections, it was

Resolved, That the following bills be referred to the Comptroller for payment:  
Wilson Bohannon, padlocks..... \$241 66 | Richard Marsh, cartage..... \$80 10  
Johnson & Sheppard, stages..... 20 00 | James C. Anderson, rent poll-room.... 35 00

Resolved, That the following transfers be ordered:

Doorman David Rutledge from Thirteenth Precinct to Fifteenth Precinct.  
Peter Waters from Fifteenth Precinct to Thirteenth Precinct.  
Resolved, That Patrolman Bernard Meehan, Twenty-eighth Precinct, be granted permission to employ counsel in the trial of charges against him.

Resolved, That Patrolman Joseph M. Dorsey, Detective Squad, be granted permission to receive a reward of \$25 (subject to the deduction under the rule) from M. P. Dayton.

Resolved, That Patrolman Matthew McConnell, Detective Squad, be granted permission to receive a reward of \$20 (subject to the deduction under the rule) from M. P. Dayton.

#### Masked Ball Allowed.

Florence Association, at Teutonia Assembly rooms. December 8.

Resolved, That Commissioner Voorhis be assigned to Room 20, and that he be appointed a member of the Committees on Repairs and Supplies, Street Cleaning, and Elections.

Pursuant to resolution of 14th instant, Joseph W. Cronan, Telegraph Operator, appeared before the Board in answer to charges of James Crowley, Superintendent of Telegraph.

#### Street Cleaning.

Communication from Carr & Blanchard relative to ash barrels, and asking information, was referred to the Committee on Street Cleaning.

Resolved, That John H. Williams be appointed Watchman, in place of James Boyd, removed.

Resolved, That the work of the Bureau of Street Cleaning be performed and that the assignments and transfers of the officers and employees (other than clerical) therein be made under the direction of the Chairman of the Committee on Street Cleaning.

Commissioner French offered the following, which was referred to the Committee on Street Cleaning:

Resolved, That the following persons be employed in the Bureau of Street Cleaning:

Matthias J. Mahoney, Trimmer, vice John Sullivan, Market street.

Francis Shields, P. D. Driver, vice John Curtin.

Patrick Kelly, P. D. Driver, vice Patrick Eagan.

Henry Moore, P. D. Driver, vice Wm. Gould.

Charles Swartz, P. D. Driver, vice Charles Gallagher.

Adjourned.

S. C. HAWLEY, Chief Clerk.

## BOARD OF ESTIMATE AND APPORTIONMENT.

#### CORRECTION.

In the minutes of the meeting of the Board of Estimate and Apportionment, held November 26, 1879, published in the CITY RECORD of December 1st, the following corrections are hereby made, viz.:

In the resolution transferring \$6,300 from various appropriations in the Department of Public Works to various appropriations in the same Department, should read as follows, viz.:

"Repairing and Renewal of Pipes, Stop-cocks, etc.," \$4,500, instead of "Repairs and Renewal of Pavements," \$4,500.

After resolution relating to relaying the pavement on Third avenue, from Harlem river to One Hundred and Forty-seventh street, the vote on said resolution should be inserted as follows, viz.:

Affirmative—The Mayor of the City of New York (Chairman), the Comptroller of the City of New York, the President of the Board of Aldermen, and the President of the Department of Taxes and Assessments—4.

## APPROVED PAPERS.

Resolved, That the Department of Public Parks be and is hereby requested and, so far as this Board has the power, directed to refuse consent to the erection of any more buildings or other incumbrances upon the Battery Park by either of the elevated railway companies; and be it further

Resolved, That the said elevated railway companies be and they are hereby directed to construct their tracks only upon, in, and through the streets laid down and designated therefor by the Common Council of this city, by the proceedings had and taken and resolutions passed, September 6, 1875.

Adopted by the Board of Aldermen, October 17, 1879.

Approved by the Mayor, November 10, 1879.

Whereas, The Association of the Bar of the City of New York, through Elliott F. Shepard, Esq., committee for that purpose, have petitioned this Body to set apart suitable rooms in the County Court-house for the use of the lawyers of said city during their attendance at said court-house, said petition being concurred in and recommended by Judges of the various courts held in said building; and

Whereas, The two rooms on the main floor of the County Court-house, heretofore occupied by the Commissioner of Jurors, have been vacated, and are no longer required by said Commissioner; now therefore be it

Resolved, That the two rooms on either side of the main entrance on Chambers street, of the County Court-house of the City and County of New York, heretofore occupied and now vacated be the Commissioner of Jurors, be and are hereby set apart for the exclusive use of the members of the Bar while in attendance upon the Courts sitting in said building, during the pleasure of the Common Council, and the Commissioner of Public Works is directed to carry this resolution into effect.

Adopted by the Board of Aldermen, November 11, 1879.

Approved by the Mayor, November 24, 1879.

Resolved, That permission be and the same is hereby given to the owners of property on Christopher street, between Greenwich and Washington streets, to straighten and widen sidewalk on the northerly side thereof, so that said sidewalk will be of a uniform width of twenty feet from Washington street to a point seventy-five feet from Greenwich street, and from that point to the present curb at the corner of Greenwich and Christopher streets of the width included in a straight line between these points, as shown on the annexed diagram, the work to be done at their own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, November 25, 1879.

Approved by the Mayor, November 26, 1879.

Resolved, That Sixty-third street, from Eighth to Tenth avenue, be paved with Belgian or trap-block pavement, and that at the several intersecting streets and avenues crosswalks be laid where not now laid, and relaid where those now laid are, in the opinion of the Commissioner of Public Works, not in good repair, or are not upon a grade adapted to the grade of the proposed new pavement, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, October 21, 1879.

Approved by the Mayor, November 10, 1879.

Resolved, That permission be and the same is hereby given to Crouch & Fitzgerald to erect an ornamental plate-glass show-case window and cornice in front of premises No. 1 Courtlandt street, as shown in the annexed diagram, the consent of the adjoining property-owners and tenants having been obtained, and is hereto annexed, the work to be done at their own expense; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, October 21, 1879.

Approved by the Mayor, November 11, 1879.

Resolved, That Ninety-fourth street, from Lexington to Fourth avenue, be paved with Belgian or trap-block pavement, and that at the several intersecting streets and avenues crosswalks be laid where not now laid, and relaid where those now laid are, in the opinion of the Commissioner of Public Works, not in good repair, or are not upon a grade adapted to the grade of the proposed new pavement, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, October 21, 1879.

Approved by the Mayor, November 10, 1879.

## DEPARTMENT OF BUILDINGS.

DEPARTMENT OF BUILDINGS,  
OFFICE NO. 2 FOURTH AVENUE,  
NEW YORK, Dec. 1, 1879.

The following comprises the operations of the Department of Buildings for the week ending November 29, 1879.

HENRY J. DUDLEY,  
Sup't of Buildings.

SAMUEL T. WEBSTER,  
Chief Clerk.

#### BUREAU OF INSPECTION OF BUILDINGS.

##### New Buildings.

No. of plans and specifications filed, etc. .... 11  
No. of buildings embraced in same..... 26

##### Classified as follows:

First-class dwellings..... 13  
Second-class dwellings..... 9  
French flats..... 9  
Tenement-houses..... 3  
Hotels and boarding-houses..... 3  
First-class stores..... 1  
Second-class stores..... 1  
Third-class stores..... 1  
Office buildings..... 1  
Manufactories and workshops..... 1  
School-houses..... 1  
Churches..... 1  
Public buildings..... 1  
Stables..... 1  
Frame buildings (in upper districts)..... 1

Total..... 26

Plans passed upon, including those previously filed..... 17  
Approved..... 12  
Amended and approved..... 1  
Disapproved..... 1  
Pending..... 3

Total..... 17

##### Altered Buildings.

No. of plans and specifications filed..... 18  
No. of buildings embraced in same..... 24

##### Classified as follows:

First-class dwellings..... 1  
Second-class dwellings..... 8  
French flats..... 3  
Tenement houses..... 3  
Hotels and boarding-houses..... 2  
First-class stores..... 1  
Second-class stores..... 1  
Third-class stores..... 1  
Office buildings..... 1  
Manufactories and workshops..... 2  
School-houses..... 1  
Churches..... 1  
Public buildings..... 1  
Stables..... 2  
Frame buildings..... 4

Total..... 24

Buildings examined and plans relating thereto passed upon, including those previously filed..... 20  
Approved..... 13  
Amended and approved..... 1  
Disapproved..... 3  
Pending..... 3

Total..... 20

##### Special Applications.

Number filed and examinations made..... 9  
Approved..... 4  
Disapproved..... 1  
Pending..... 5

Total..... 9

Respectfully submitted,  
ROBERT MCGINNIS,  
Chief of Bureau.

JOHN J. TINDALE,  
Plan Clerk.

#### BUREAU OF VIOLATIONS AND APPLICATIONS.

Operations for the week ending Nov. 29, 1879:

Complaints received from outside sources..... 18

Violations of the law reported..... 15

“ “ removed..... 4

Unsafe buildings reported..... 9

“ “ made safe..... 16

“ “ taken down..... 1

Surveys held on unsafe buildings..... 1

Violation cases sent to the Attorney for prosecution..... 2

Unsafe building cases sent to the Attorney for prosecution..... 2

Violation notices served..... 46

Unsafe building notices served..... 33

Operations for the month of November, 1879:

Complaints received from outside sources..... 57

Violations of the law reported..... 65

“ “ removed..... 41

Unsafe buildings reported..... 55

“ “ made safe..... 50

“ “ taken down..... 8

Violation cases sent to the Attorney for prosecution..... 3

Unsafe building cases sent to the Attorney for prosecution..... 2

Violation notices served..... 140

Unsafe building notices served..... 161

Respectfully submitted,  
ANDREW OWENS,  
Chief of Bureau.

WILLIAM H. CLASS,  
Clerk.

#### BUREAU OF FIRE-ESCAPES AND IRON WORK.

Operations for the week ending Nov. 29, 1879:

Buildings reported for additional means of escape in case of fire..... 4

Buildings reported for trap-doors and railings to hoistways..... 2

Buildings reported for iron shutters..... 1

Buildings provided with additional means of escape in case of fire..... 18

Buildings provided with trap-doors and railings to hoistways..... 3

Buildings provided with iron shutters..... 3

Arch girders tested (approved)..... 5

“ (not approved)..... 1

Iron beams tested (approved)..... 16

“ (not approved)..... 1

Iron lintels tested (approved)..... 1

“ (not approved)..... 1

Notices for fire-escapes, trap-doors, iron shutters, etc., served..... 25

Cases sent to the Attorney for prosecution..... 2

Operations for the month of November, 1879:

Buildings reported for additional means of escape in case of fire..... 48

Buildings reported for trap-doors and railings to hoistways..... 11

Buildings reported for iron shutters..... 1

Buildings provided with additional means of escape in case of fire..... 54

Buildings provided with trap-doors and railings to hoistways..... 11

Buildings provided with iron shutters..... 1

Arch girders tested (approved)..... 23

“ (not approved)..... 1

Iron beams tested (approved)..... 25

“ (not approved)..... 1

Iron lintels tested (approved)..... 2

“ (not approved)..... 1

Notices for fire escapes, trap-doors, and iron shutters, etc., served..... 224

Cases sent to the Attorney for prosecution..... 5

Respectfully submitted,  
CHAS. K. HYDE,  
Chief of Bureau.

VICTOR W. VOORHEES,  
Clerk.

## OFFICIAL DIRECTORY.

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

#### EXECUTIVE DEPARTMENT.

##### Mayor's Office.

No. 6 City Hall, 10 A. M. to 3 P. M.  
EDWARD COOPER, Mayor; JOHN TRACEY, Chief Clerk.

##### Mayor's Marshal's Office.

No. 7 City Hall, 10 A. M. to 3 P. M.  
JOHN TYLER KELLY, First Marshal.

##### Permit and License Bureau Office.

No. 1 City Hall, 10 A. M. to 3 P. M.  
DANIEL S. HART, Registrar.

##### Sealers and Inspectors of Weights and Measures.

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

#### LEGISLATIVE DEPARTMENT.

##### Office of Clerk of Common Council.

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

#### DEPARTMENT OF PUBLIC WORKS

##### Commissioner's Office.

No. 19 City Hall, 9 A. M. to 4 P. M.  
ALLAN CAMPBELL, Commissioner; FREDERICK H. HAMLIN, Deputy Commissioner.

##### Bureau of Water Register.

No. 10 City Hall, 9 A. M. to 4 P. M.  
JOHN H. CHAMBERS, Register.

##### Bureau of Incumbrances.

No. 13 City Hall, 9 A. M. to 4 P. M.  
JOSEPH BLUMENTHAL, Superintendent.

##### Bureau of Sewers.

No. 21 City Hall, 9 A. M. to 4 P. M.  
STEVENSON TOWLE, Engineer-in-Charge.

##### Bureau of Chief Engineer.

No. 11½ City Hall, 9 A. M. to 4 P. M.

##### Bureau of Street Improvements.

No. 11 City Hall, 9 A. M. to 4 P. M.  
GEORGE A. JEREMIAH, Superintendent.

##### Bureau of Repairs and Supplies.

No. 18 City Hall, 9 A. M. to 4 P. M.  
THOMAS KEECH, Superintendent.

##### Bureau of Water Purveyor.

No. 4 City Hall, 9 A. M. to 4 P. M.  
DANIEL O'REILLY, Water Purveyor.

##### Keeper of Buildings in City Hall Park.

JOHN F. SLOPER, City Hall.

##### Bureau of Lamps and Gas.

No. 21 City Hall, 9 A. M. to 4 P. M.  
STEPHEN MCCORMICK, Superintendent.

##### Bureau of Streets.

No. 19 City Hall, 9 A. M. to 4 P. M.

##### Bureau of Arrears.

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

#### FINANCE DEPARTMENT.

##### Comptroller's Office.

Nos. 19 and 20 New County Court-house, 9 A. M. to 4 P. M.

JOHN KELLY, Comptroller; RICHARD A. STORIS, Deputy Comptroller.

##### Bureau for the Collection of Taxes.

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

##### Bureau of the City Chamberlain.

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

##### Auditing Bureau.

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

##### Bureau of Arrears.

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



**Bureau for the Collection of Assessments.**  
No. 16 New County Court-house, 9 A. M. to 4 P. M.  
EDWARD GILON, Collector.

**Bureau of City Revenue.**  
No. 6 New County Court-house, 9 A. M. to 4 P. M.  
EDWARD F. FITZPATRICK, Collector of City Revenue.

**Bureau of Markets.**  
No. 6 New County Court-house, 9 A. M. to 4 P. M.  
JOSHUA M. VARIAN, Superintendent of Markets.

**LAW DEPARTMENT.**  
*Office of the Counsel to the Corporation.*  
Staats Zeitung Building, third floor, 9 A. M. to 4 P. M.  
WILLIAM C. WHITNEY, Counsel to the Corporation;  
ANDREW T. CAMPBELL, Chief Clerk.

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

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

*Attorney to Department of Buildings' Office.*  
Corner Cortlandt and Church streets.  
JOHN A. FOLEY, Attorney.

#### POLICE DEPARTMENT.

*Central Office.*  
No. 300 Mulberry street, 9 A. M. to 4 P. M.  
President: SETH C. HAWLEY.  
Chief Clerk.

**DEPARTMENT OF CHARITIES AND CORRECTION.**  
*Central Office.*  
Third avenue, corner Eleventh street, 9 A. M. to 4 P. M.  
TOWNSEND COX, President; JOSHUA PHILLIPS, Secretary.

#### FIRE DEPARTMENT.

*Headquarters.*  
Nos. 153, 155, and 157 Mercer street, 9 A. M. to 4 P. M.  
VINCENT C. KING, President; CARL JUSSEN, Secretary.

#### HEALTH DEPARTMENT.

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

#### DEPARTMENT OF PUBLIC PARKS.

No. 36 Union square, 9 A. M. to 4 P. M.  
JAMES F. WENMAN, President; EDWARD P. BARKER, Secretary.

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

#### DEPARTMENT OF DOCKS.

Nos. 117 and 119 Duane street, 9 A. M. to 4 P. M.  
EUGENE T. LYNCH, Secretary.

**DEPARTMENT OF TAXES AND ASSESSMENTS**  
Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.  
JOHN WHEELER, President; ALBERT STORER, Secretary.

#### BOARD OF ASSESSORS.

Office, No. 114 White street, 9 A. M. to 4 P. M.  
THOMAS B. ASTEN, President; WM. H. JASPER, Secretary.

#### DEPARTMENT OF BUILDINGS.

No. 2 Fourth avenue, 8:30 A. M. to 4 P. M.  
HENRY J. DUBLEY, Superintendent.

#### BOARD OF EXCISE.

Corner Mulberry and Houston streets, 9 A. M. to 4 P. M.  
RICHARD J. MORRISON, President; J. B. ADAMSON, Chief Clerk.

#### SHERIFF'S OFFICE.

Nos. 3 and 4 New County Court-house, 9 A. M. to 4 P. M.  
BERNARD REILLY, Sheriff; JOHN T. CUMMING, Under Sheriff.

**COMMISSIONER FOR THE COMPLETION OF THE NEW COUNTY COURT-HOUSE.**  
No. 28 New County Court-house, 9 A. M. to 5 P. M.  
WYLLIS BLACKSTONE, President; ISAAC EVANS, Secretary.

#### REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.  
FREDERICK W. LOEW, Register; AUGUSTUS T. DOCHARTY, Deputy Register.

#### COMMISSIONERS OF ACCOUNTS.

No. 27 Chambers street, 9 A. M. to 4 P. M.  
WM. PITT SHEARMAN, ROBERT F. HATFIELD.

#### THE CITY RECORD OFFICE.

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

#### FIRE DEPARTMENT.

##### HEADQUARTERS

FIRE DEPARTMENT, CITY OF NEW YORK,  
155 and 157 MERCER STREET,  
NEW YORK, December 1, 1879.

**NOTICE IS HEREBY GIVEN THAT SIX (6) horses will be sold at public auction, to the highest bidder for cash, at Nos. 110 and 112 East Thirtieth street, on Friday, the 5th instant, at 12 o'clock M., by Van Tassel & Kearney, auctioneers.**

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

##### HEADQUARTERS

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

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

By order of the Board.  
VINCENT C. KING, President,  
JOHN J. GORMAN, Treasurer,  
CORNELIUS VAN COTT,  
Commissioners  
CARL JUSSEN, Secretary

#### THE CITY RECORD

**COPIES OF THE CITY RECORD CAN BE obtained at No. 2 City Hall (northwest corner basement). Price three cents each.**

#### COLLEGE OF THE CITY OF NEW YORK.

**A SPECIAL 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. 146 Grand street), on Tuesday, December 9, 1879, at 4 o'clock P. M.**

LAWRENCE D. KIERNAN,  
Secretary.

#### JURORS.

##### NOTICE

**IN RELATION TO JURORS FOR STATE COURTS**

OFFICE OF THE COMMISSIONER OF JURORS,  
NEW COUNTY COURT-HOUSE,  
NEW YORK, June 1, 1879.

**APPLICATIONS FOR EXEMPTIONS WILL BE heard here, from 9 to 4 daily, from all persons hitherto liable or recently serving who have become exempt, and all needed information will be given.**

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

Persons "enrolled" as liable must serve when called or pay their fines. No mere excuse will be allowed or interference permitted. The fines, received from those who, for business or other reasons, are unable to serve at the time selected, pay the expenses of this office, and if unpaid will be entered as judgments upon the property of the delinquents.

All good citizens will aid the course of justice, and secure reliable and respectable juries, and equalize their duty by serving promptly when summoned, allowing their clerks or subordinates to serve, reporting to me any attempt at bribery or evasion, and suggesting names for enrollment. Persons between sixty and seventy years of age, summer absentees, persons temporarily ill, and United States and District Court jurors are not exempt.

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

THOMAS DUNLAP, Commissioner,  
County Court-house (Chambers street entrance).

#### POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,  
PROPERTY CLERK'S OFFICE,  
No. 300 MULBERRY STREET, ROOM NO. 39,  
NEW YORK, November 3, 1879.

**OWNERS WANTED BY THE PROPERTY Clerk of the Police Department, City of New York, 300 Mulberry street, Room 39, for the following property now in his custody without claimants: Boats, rope, iron, hose, shoes, male and female clothing, cigars, molasses, revolvers, watches, gold and silver, also small amount of cash taken from prisoners and found.**

C. A. ST. JOHN,  
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:**

No. 1. Sewers in the Boulevard, between Fifty-ninth and Sixty-first streets.

No. 2. Sewer in the Boulevard, between Sixty-first and Seventy-seventh streets.

No. 3. Sewers in the Boulevard, between Seventy-seventh and Ninety-second streets.

No. 4. Sewers in the Boulevard, between Ninety-second and One Hundred and Sixth streets.

No. 5. Sewers in the Boulevard, between One Hundred and Sixth and One Hundred and Fifty-third streets.

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

No. 1. Both sides of the Boulevard, between Fifty-ninth and Sixty-first streets.

No. 2. Both sides of the Boulevard, between Sixty-first and Seventy-seventh streets; also block bounded by Sixty-sixth and Sixty-seventh streets, Boulevard and Ninth avenue; also blocks bounded by Sixty-eighth and Seventieth streets, Boulevard and Ninth avenue; and blocks bounded by Seventy-third and Seventy-seventh streets, Tenth and Eleventh avenues.

No. 3. Both sides of the Boulevard, between Seventy-seventh and Ninety-second streets; also blocks bounded by Seventy-sixth and Eightieth streets, Boulevard and Tenth avenue; also blocks bounded by Eighty-second and Ninety-second streets, Boulevard and Tenth avenue; and blocks bounded by Seventy-seventh and Seventy-eighth streets, Boulevard and Eleventh avenue.

No. 4. Both sides of the Boulevard, between Ninety-second and One Hundred and Sixth streets (omitting the east side between Ninety-sixth and Ninety-eighth streets); also blocks bounded by Ninety-second and Ninety-fifth streets, Boulevard and Tenth avenue; also blocks bounded by Ninety-ninth and One Hundred and Sixth streets, Boulevard and Tenth avenue; also south side of Ninety-second street, between Boulevard and Tenth avenue; and blocks bounded by One Hundred and Eleventh and One Hundred and Twelfth streets, Boulevard and Eleventh avenue.

No. 5. Both sides of the Boulevard, between One Hundred and Nineteenth and One Hundred and Fifty-third streets; also west side of the Boulevard, between One Hundred and Eighth and One Hundred and Nineteenth streets; also blocks bounded by One Hundred and Twentieth and One Hundred and Twenty-fourth streets, between Tenth avenue and the Boulevard, including south side of One Hundred and Twentieth street; also blocks bounded by One Hundred and Thirtieth and One Hundred and Fifty-third streets, Boulevard and Tenth avenue; also blocks bounded by One Hundred and Fifty-first and One Hundred and Fifty-fifth streets, St. Nicholas and Tenth avenues; also blocks bounded by One Hundred and Nineteenth and One Hundred and Twenty-seventh streets, Boulevard and Riverside avenue, including south side of One Hundred and Nineteenth and north side of One Hundred and Twenty-seventh streets; and north and south sides of One Hundred and Fifty-third street, between Tenth and Twelfth avenues.

All persons whose interests are affected by the above-named assessments, and who are opposed to the same, or either of them, are requested to present their objections in writing to the Board of Assessors, at their office, No. 114 White street, within thirty days from the date of this notice.

The above described list will be transmitted as provided by law to the Board of Revision and Correction of Assessments for confirmation on the 18th day of December, ensuing.

THOMAS B. ASTEN,  
JOHN MULLALLY,  
EDWARD NORTH,  
DANIEL STANBURY,  
Board of Assessors.

OFFICE BOARD OF ASSESSORS,  
No. 114 WHITE STREET (COR. OF CENTRE),  
NEW YORK, November 17, 1879.

#### DEPARTMENT PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 19, CITY HALL,  
NEW YORK, November 20, 1879.

##### TO CONTRACTORS.

**PROPOSALS FOR FURNISHING ILLUMINATING GAS FOR PUBLIC MARKETS, ARMORIES, BUILDINGS, AND OFFICES OF THE CITY OF NEW YORK.**

**PROPOSALS, IN ACCORDANCE WITH ARTICLE 2, chapter 8 of the Revised Ordinances of 1850, inclosed in a sealed envelope (indorsed as above, with the name of the bidder), will be received at the office of the Commissioner of Public Works until Wednesday, December 3, 1879, at 12 o'clock M., at which place and hour they will be publicly opened and read, for furnishing illuminating gas, of not less than sixteen candle power, for lighting the following named public markets, buildings, and offices of the city for the period from January 1, 1880, to December 31, 1880, both days inclusive, to wit:**

Washington Market.

Catharine " "

Fulton " "

Essex " "

Centre " "

Clinton " "

Union " "

Tompkins " "

Jefferson " "

First District Police Court.

Second " " "

Third " " "

Fourth " " "

Fifth " " "

Sixth " " "

Eighth " " "

Ninth " " "

Marine Court.

Clock, Third District Court-house Tower

Armory Third Regiment.

" Seventh " "

" Eighth " "

" Ninth " "

" Eleventh " "

" Twelfth " "

" Twenty-second Regiment.

" Sixty-ninth " "

" Seventy-first " "

" Third Regiment Cavalry.

" Separate Troop "A" Cavalry.

" Separate Troop "B" Cavalry.

" Battery "B" Artillery.

" Battery "K" Artillery.

Court of Special Sessions.

New Court-house.

Brown Stone (Court-room) Building.

City Hall.

Corporation Counsel's Office.

Corporation Attorney's Office.

Receiver of Taxes Office.

Office of Arrears of Personal Taxes.

Office of Department of Buildings.

County Jail.

Rivington Street Pipe-yard.

South Gate-house.

Engine House at Highbridge.

Office of Engineer in Charge of Roads and Avenues

Public Bath, Battery.

" Gouverneur Slip, E. R.

" foot of Fifth street, E. R.

" foot of Bethune street, N. R.

" foot of Thirty-seventh street, E. R.

" foot of Thirty-fifth street, N. R.

Public Bath foot of One Hundred and Fourteenth street, E. R.

Photometrical Room, Grand and Centre streets.

Photometrical Room, Seventy-ninth street.

Or any other public building or office in which gas may be required during the aforesaid term.

The gas shall have an illuminating power of not less than sixteen sperm candles, when tested on the improved form of the Bunsen Photometer, and by a burner that will obtain from the gas the greatest amount of light and practicable for use by the consumer, and consuming at the rate of five cubic feet of gas per hour; the testing candle shall be of sperm, of six to the pound, and consuming, as nearly as possible, one hundred and twenty grains of sperm per hour; and no candle shall be used for testing which consumes less than one hundred and fourteen or more than one hundred and twenty-six grains of sperm per hour; and as regards purity, the gas shall be free, within limits not injurious to the public health, from ammonia, sulphuretted hydrogen, and other sulphur and noxious compounds.

Bidders are required to state in their proposals the several markets, armories, buildings, and offices to which they propose to furnish gas, in accordance with the terms, conditions, and specifications contained herein and in the proposed form of contract, and the illuminating power of the gas they propose to furnish.

Bidders are also required to state one definite and distinct price for each thousand cubic feet of gas furnished (whether the quantity be more or less), to each or any of the foregoing public markets, armories, buildings and offices of the city, and this price must be written out in full and also inserted in figures.

Blank forms of proposals, the specifications and agreements, the proper envelope in which to inclose the bids, and any further information desired, can be obtained on application to the Superintendent of Lamps and Gas, at his office.

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

ALLAN CAMPBELL,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 19, CITY HALL,  
NEW YORK, November 21, 1879.

##### TO WATER PIPE MANUFACTURERS.

**PROPOSALS, IN ACCORDANCE WITH CHAPTER 480, Laws of 1879, inclosed in a sealed envelope with the title of the work, and the name of the bidder indorsed thereon, will be received at this office until Friday, December 5, 1879, at 12 o'clock M., at which hour they will be publicly opened by the head of the Department and read.**

For furnishing and delivering to the Department of Public Works 600 six-inch Pipe, and 4 tons of Branches and Special Castings.

Blank forms of proposals, the specifications and agreements, the proper envelopes in which to inclose the bids, and any further information desired can be obtained by application at the Chief Engineer's Office, Room 11½, City Hall.

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

ALLAN CAMPBELL,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 19, CITY HALL,  
NEW YORK, November 21, 1879.

##### TO CONTRACTORS.

**PROPOSALS, INCLOSED IN A SEALED ENVELOPE, with the title of the work, the name of the bidder, and the number of the work, as in the advertisement, indorsed thereon, will be received at this office until Friday, December 5, 1879, at 12 o'clock M., at which**

hour they will be publicly opened by the head of the Department and read, for the following:

No. 1. REGULATING, GRADING, AND SETTING CURB AND GUTTER STONES AND FLAGGING SIDEWALKS, four feet wide, in Ninety-fifth street, from Lexington to Fifth avenue.

No. 2. REGULATING, GRADING, AND SETTING CURB AND GUTTER STONES in Ninety-seventh street, between Eighth avenue and the Boulevard.

No. 3. REGULATING, GRADING, SETTING CURB AND GUTTER STONES in Ninety-eighth street, between Eighth avenue and the Boulevard.

No. 4. FLAGGING SIDEWALKS FULL WIDTH on west side of Fourth avenue, between Sixty-first and Sixty-fifth streets.

No. 5. LAYING CROTON WATER-MAINS in the Twenty-fourth Ward.

Blank forms of proposals, the specifications and agreements, the proper envelopes in which to inclose the bids, and any further information desired, can be obtained at the following offices, for each class of work: Regulating, Grading, etc., Room 11; and Laying Croton-mains, Room 11½, City Hall.

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

ALLAN CAMPBELL,  
Commissioner of Public Works.

#### SUPREME COURT.

In the matter of the application of the Department of Public Works, for and in behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of Eighty-first street, from the Boulevard to the new avenue, and from Twelfth avenue to the Hudson river, in the City of New York.

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

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 in the Court-house in the City of New York, on the 30th day of December, 1879, at 10 o'clock A. M. on that day, and that then and there, or as soon thereafter as counsel can be heard, a motion will be made that the said report be confirmed.

Dated New York, November 15, 1879.

CHARLES PRICE,  
JOSEPH MEERS,  
LOUIS MESIER,  
Commissioners

In the matter of the application of the Department of Public Parks, for and on behalf of the Mayor, Aldermen, and Commonalty of the City of New York, relative to the opening of a new road or street, commonly known as Bronx River road, though not yet named by proper authority, from Grand avenue to the north line of the City of New York, in the Twenty-fourth Ward of said city.

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

First—That we have completed our estimate and assessment, and that all persons interested in these proceedings, or any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified, to George W. McGlynn, Esq., our Chairman, at the office of the Commissioners, No. 261 Broadway, Rooms 34 and 35, in said city, on or before the first day of December, 1879; and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said first day of December, and 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 said estimate and assessment, together with our maps, and also the affidavits taken, and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, there to remain until the 11th day of December, 1879. That the limits embraced by the assessment aforesaid are as follows:

Commencing at the intersection of the northerly line of Grand avenue, with the westerly line of the lands of the Harlem Railroad Company, thence running northerly along the westerly line of the said railroad company's lands to the westerly bank of the Bronx river; thence northerly along the westerly bank of the Bronx river as the same winds and turns, to the northerly line of the City of New York; thence westerly along the northerly line of the City of New York to a point where the said line would be intersected by the prolongation of a line drawn parallel to, and two hundred feet westerly of the westerly line of First street; thence southerly along the prolongation of said line, and along said line to the northerly side of Grand avenue; thence easterly along the northerly side of Grand avenue, to the point or place of beginning.

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 Chambers in the Court-house in the City of New York on the 31st day of December, 1879, at ten o'clock of that day, or as soon thereafter as counsel can be heard thereon, and that then and there a motion will



3. 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 Chambers, in the Court-house, in the City of New York, on the 17th day of December, 1879, at ten o'clock of that day, or as soon thereafter as counsel can be heard thereon, and that then and there a motion will be made that the said report be confirmed.

Dated New York, October 20, 1879.

GUNNING S. BEDFORD,  
AMBROSE H. PURDY,  
BERNARD SMYTHE,  
Commissioners.

In the matter of the application of the Commissioners of the Department of Public Parks, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of Sedgwick avenue, from the Fordham Landing Road to Boston avenue, in the City of New York.

**PURSUANT TO STATUTES IN SUCH CASE** made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers, in the Court-house in the City of New York, on the 21st day of November, 1879, at 10 o'clock A. M. of that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. The nature and extent of the improvement hereby intended is the acquisition of title, in the name and on the behalf of the Mayor, Aldermen and Commonalty of the City of New York, to all the lands and premises, with the buildings thereon, and the appurtenances thereto belonging, required for the opening, as a first class street, of that certain continuous street or avenue known as Sedgwick avenue, although not yet named by proper authority, being all of that piece or parcel of land—as the same is shown on certain maps made by the Commissioners of the Department of Public Parks, under authority of chapter 604, Laws of 1874, and chapter 436, Laws of 1876, and filed in the Department of Public Parks, the office of the Register of the City and County of New York, and in the office of the Secretary of State of the State of New York, viz.:

Beginning at a point on the Fordham Landing Road, distant 466 58-100 feet easterly from the eastern line of Tenth avenue, produced and measured on a line at right angles to the same, from a point 14539 25-100 feet northerly from the southeastern corner of One Hundred and Fifty-fifth street and Tenth avenue.

1. Thence southwesterly, on a line whose direction is 34° south of west of that of the eastern line of Tenth avenue, for 91 70-100 feet.

2. Thence northwesterly on the arc of a circle of 300 77-100 feet radius whose centre lies west of the said arc and whose radial line passing through the western extremity of the preceding course forms—when produced easterly—an angle of 33° 33' 08" with the said preceding course, for 69 39-100 feet to a point of reverse curve.

3. Thence to the right and northwesterly on the arc of a circle of 1403 38-100 feet radius for 98 79-100 feet to a point of compound curve.

4. Thence to the right and northwesterly on an arc of a circle of 2220 feet radius for 538 14-100 feet to a point of compound curve.

5. Thence to the right and northerly on the arc of a circle of 1018 feet radius for 404 11-100 feet to a point of reverse curve.

6. Thence to the left and northerly on the arc of a circle of 1220 feet radius for 537 65-100 feet to a point of reverse curve.

7. Thence to the right and northerly on the arc of a circle of 930 feet radius for 738 71-100 feet to a point of tangency.

8. Thence northeasterly on a tangent for 317 44-100 feet to a point of curve.

9. Thence to the right and northeasterly on the arc of a circle of 450 feet radius for 191 47-100 feet to a point of reverse curve.

10. Thence to the left and northerly on the arc of a circle of 465 feet radius for 383 22-100 feet.

11. Thence to the right, easterly, or the prolongation of the radius of the preceding course, across the "Kingsbridge road," easterly for 80 feet.

12. Thence to the right and southeasterly on the arc of a circle of 80 feet radius, whose centre lies on the prolongation easterly of the preceding course, for 105 57-100 feet, to a point of compound curve.

13. Thence to the left and northerly on the arc of a circle of 25 feet radius, for 30 76-100 feet to a point of compound curve.

14. Thence to the left and northerly on the arc of a circle of 900 feet radius for 727 38-100 feet to a point of reverse curve.

15. Thence to the right and northerly on the arc of a circle of 1600 feet radius for 339 feet to a point of tangency.

16. Thence, on a tangent, northerly for 733 31-100 feet to a point of curve.

17. Thence to the right and northerly on the arc of a circle of 1200 feet radius for 572 47-100 feet to a point of tangency.

18. Thence, on a tangent, northerly, for 44 feet to a point of curve.

19. Thence to the left, northerly on the arc of a circle of 1200 feet radius for 425 95-100 feet to a point of reverse curve.

20. Thence to the right, northerly, on the arc of a circle of 1167 51-100 feet radius for 214 33-100 feet to a point of reverse curve.

21. Thence to the left and westerly on the arc of a circle of 30 feet radius for 65 14-100 feet to a point on "Boston avenue."

22. Thence northeasterly 249 16-100 feet to the opposite side of Sedgwick avenue, on a line forming an angle of 73° 0' 32" to the right of the prolongation northerly of that radial line of the preceding course, which passes through the western extremity of said course.

23. Thence southerly, on the arc of a circle of 300 feet radius, whose centre lies to the east of Sedgwick avenue, and whose radial line, passing through the northeastern extremity of the preceding course, forms an angle of 73° 0' 32" to the right of said course, produced for 73 74-100 feet to a point of compound curve.

24. Thence to the left and southerly on the arc of a circle of 1087 61-100 feet radius for 348 9-100 feet to a point of reverse curve.

25. Thence to the right and southerly on the arc of a circle of 1280 feet radius for 454 35-100 feet to a point of tangency.

26. Thence on a tangent, southerly, for 440 feet to a point of curve.

27. Thence to the left and southerly on the arc of a circle of 1200 feet radius for 534 3-100 feet to a point of tangency.

28. Thence on a tangent, southerly, for 733 31-100 feet to a point of curve.

29. Thence to the left and southerly on the arc of a circle of 1520 feet radius for 322 5-100 feet to a point of reverse curve.

30. Thence to the right and southerly on the arc of a circle of 980 feet radius for 792 3-100 feet to a point of reverse curve.

31. Thence to the left and easterly on the arc of a circle of 75 feet radius for 122 39-100 feet to a point on the Kingsbridge road.

32. Thence to the right, on the prolongation of the radius of the preceding course, southerly across the Kingsbridge road for 80 feet.

33. Thence to the right, southwesterly, on the arc of a circle of 170 feet radius, whose centre lies on the prolongation southerly of the preceding course, for 196 81-100 feet to a point of compound curve.

34. Thence to the left, southwesterly, on the arc of a circle of 1370 feet radius for 344 46-100 feet to a point of tangency.

35. Thence on a tangent southwesterly for 317 44-100 feet to a point of curve.

36. Thence to the left and southerly on the arc of a circle of 850 feet radius for 675 16-100 feet to a point of reverse curve.

37. Thence to the right and southerly on the arc of a circle of 1300 feet radius for 572 9-100 feet to a point of reverse curve.

38. Thence to the left and southerly on the arc of a

circle of 938 feet radius for 372 35-100 feet to a point of compound curve.

39. Thence to the left and southeasterly on the arc of a circle of 2140 feet radius for 648 85-100 feet to the point of beginning.

Dated New York, October 31, 1879.

WM. C. WHITNEY,  
Counsel to the Corporation.

In the matter of the application of the Department of Public Works, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of One Hundred and Eighth street, from the easterly line of Fifth avenue to the Harlem river

**PURSUANT TO STATUTES IN SUCH CASE** made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, at a Special Term of said Court, to be held at Chambers, in the Court-house, in the City of New York, on the 21st day of November, 1879, at 10 o'clock A. M. of that day, or as soon thereafter as counsel can be heard thereon, for the appointment of Commissioners of Estimate and Assessment in the above-entitled matter. That the nature and extent of the improvement hereby intended is the acquisition of title, in the name and on the behalf of the Mayor, Aldermen, and Commonalty of the City of New York, to all the lands and premises, with the buildings thereon, and the appurtenances thereto belonging, required for the opening of One Hundred and Eighth street, from Fifth avenue to the Harlem river, being the following described pieces or parcels of land:

Beginning at a point on the easterly line of Fifth avenue two hundred and one foot ten inches (201' 10") northerly from the northerly line of One Hundred and Seventh street, and running easterly and parallel to said street four hundred and twenty (420) feet to the westerly line of Madison avenue; thence northerly and along the westerly line of Madison avenue sixty (60) feet; thence westerly four hundred and twenty (420) feet to the easterly line of Fifth avenue; thence southerly along the easterly line of Fifth avenue sixty (60) feet to the point or place of beginning.

Also, beginning at a point on the easterly line of Madison avenue two hundred and one foot ten inches (201' 10") northerly from the northerly line of One Hundred and Seventh street, and running easterly and parallel to said street four hundred (400) feet to the westerly line of Fourth avenue; thence northerly and along the westerly line of Fourth avenue sixty (60) feet; thence westerly four hundred (400) feet to the easterly line of Madison avenue; thence southerly and along the easterly line of Madison avenue sixty (60) feet to the point or place of beginning.

Also, beginning at a point on the easterly line of Fourth avenue two hundred and one foot ten inches (201' 10") northerly from the northerly line of One Hundred and Seventh street, and running easterly and parallel to said street four hundred and five (405' 0") feet to the westerly line of Lexington avenue; thence northerly and along the westerly line of Lexington avenue sixty (60' 0") feet; thence westerly four hundred and five (405' 0") feet to the easterly line of Fourth avenue; thence southerly and along the easterly line of Fourth avenue sixty (60' 0") feet to the point or place of beginning.

Also, beginning at a point on the easterly line of Lexington avenue two hundred and one foot ten inches (201' 10") from the northerly line of One Hundred and Seventh street, and running easterly and parallel to said street four hundred and twenty (420' 0") feet to the westerly line of Third avenue; thence northerly and along the westerly line of Third avenue sixty (60' 0") feet; thence westerly four hundred and twenty (420' 0") feet to the easterly line of Lexington avenue; thence southerly and along the easterly line of Lexington avenue sixty (60' 0") feet to the point or place of beginning.

Also, beginning at a point on the easterly line of Third avenue two hundred and one foot ten inches (201' 10") from the northerly line of One Hundred and Seventh street, and running easterly and parallel to said street six hundred and ten (610' 0") feet to the westerly line of Second avenue; thence northerly and along the westerly line of Second avenue sixty (60' 0") feet; thence westerly six hundred and ten (610' 0") feet to the easterly line of Third avenue; thence southerly and along the easterly line of Third avenue sixty (60' 0") feet to the point or place of beginning.

Also, beginning at a point on the easterly line of Second avenue two hundred and one foot ten inches (201' 10") from the northerly line of One Hundred and Seventh street, and running easterly and parallel to said street six hundred and ten (610' 0") feet to the westerly line of First avenue; thence northerly and along the westerly line of First avenue sixty (60' 0") feet; thence westerly six hundred and ten (610' 0") feet to the easterly line of Second avenue; thence southerly and along the easterly line of Second avenue sixty (60' 0") feet to the point or place of beginning.

Also, beginning at a point on the easterly line of First avenue two hundred and one foot ten inches (201' 10") from the northerly line of One Hundred and Seventh street, and running easterly and parallel to said street six hundred and thirteen (613' 0") feet to the westerly line of Avenue A; thence northerly and along the westerly line of Avenue A sixty (60' 0") feet; thence westerly six hundred and thirteen (613' 0") feet to the easterly line of First avenue; thence southerly and along the easterly line of First avenue sixty (60' 0") feet to the point or place of beginning.

Also, beginning at a point on the easterly line of Avenue A two hundred and one foot ten inches (201' 10") from the northerly line of One Hundred and Seventh street, and running easterly and parallel to said street one hundred and thirteen (113' 0") feet to the bulkhead line, Harlem river; thence northerly and along said bulkhead line sixty feet and one-quarter of an inch (60' 0 1/4") feet; thence westerly one hundred and twelve feet three and three-quarters of an inch (112' 3 3/4") to the easterly line of Avenue A; thence southerly and along the easterly line of Avenue A sixty (60' 0") feet to the point or place of beginning, said street being sixty (60' 0") feet wide between the easterly line of Fifth avenue and the bulkhead line, Harlem river.

Dated New York, October 31, 1879.

WM. C. WHITNEY,  
Counsel to the Corporation.

In the matter of the application of the Department of Public Parks, for and on behalf of the Mayor, Aldermen, and Commonalty of the City of New York, relative to the opening of Eighty-eighth street, from Eighth avenue to the New Road or Public Drive, from Twelfth avenue to the Hudson river, in the City of New York.

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

That we have completed our estimate and assessment, and that all persons interested in these proceedings or in any of the lands affected thereby, and who may be opposed to the same, do present their objections, in writing, duly verified, to A. M. Soteldo, Jr., our Chairman, at the office of the Commissioners, No. 82 Nassau street (Room 24), in the said city, on or before the 14th day of November, 1879, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 14th day of November, and for that purpose will be in attendance, at our said office, on each of said ten days, at one o'clock P. M.

That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates, and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the 25th day of November, 1879.

That the limits embraced by the assessment aforesaid are as follows: All those lots, pieces, or parcels of land lying and being on Eighty-eighth street, between Eighth avenue and the New Road, and between Twelfth avenue and the Hudson river, and extending on either side of Eighty-eighth street half the distance to the next street thereto, in the City of New York. 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 in the

New Court-house, in the City of New York, on the 10th day of December, 1879, at 10 A. M. of that day, and that there and then, or as soon thereafter as counsel can be heard, a motion will be made that the said report be confirmed.

Dated New York, October 13, 1879.

A. M. SOTELDO, JR.,  
THOMAS W. PITTMAN,  
GEORGE F. MARTENS,  
Commissioners.

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

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

1. That we have completed our estimate and assessment, and that all persons interested in these proceedings, or any of the lands affected thereby, and who may be opposed to the same, do present their objections, in writing, duly verified, to William Lalor, Esq., our Chairman, at the office of the Commissioners, No. 25 Chambers street, in the said city, on or before the 1st day of November, 1879, and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 1st day of November, 1879, and for that purpose will be in attendance, at our said office, on each of said ten days, at two o'clock noon.

2. That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits taken, and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the 10th day of November, 1879.

3. That the limits embraced by the assessment aforesaid are as follows:

All those lots, pieces, or parcels of land situated, lying and being in the City of New York, and which, taken together, are bounded and contained as follows, to wit: Beginning at a point on the westerly side of Third avenue, equi-distant between the northerly line or side of One Hundred and Fifth street and the southerly line or side of One Hundred and Sixth street, and running thence westerly parallel with One Hundred and Fifth street to a point on the easterly line of Fifth avenue, equi-distant between the northerly line or side of One Hundred and Fifth street, and the southerly line or side of One Hundred and Sixth street; thence running along said easterly line of Fifth avenue to a point in said line equally distant between the southerly side of One Hundred and Fifth street and the northerly side of One Hundred and Fourth street; thence running easterly parallel with One Hundred and Fifth street to a point on the westerly line of Third avenue, equi-distant between the southerly line of One Hundred and Fifth street and the northerly line of One Hundred and Fourth street; thence along said westerly line of Third avenue to the point of beginning.

4. That our report herein will be presented to the Supreme Court of the City of New York, at a Special Term thereof, to be held at the New Court-house, in the City of New York, on the 1st day of December, 1879, at 10 o'clock of that day, or as soon thereafter as counsel can be heard thereon, and that then and there a motion will be made that the said report be confirmed.

WILLIAM LALOR,  
GUNNING S. BEDFORD,  
AMBROSE H. PURDY,  
Commissioners.

Dated New York, September 30, 1879.

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

**NOTICE IS HEREBY GIVEN THAT THE BILL** of the costs, charges, and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court, in the New Court-house, at the City Hall, in the City of New York, on the 9th day of December, at 10 o'clock in the forenoon.

WILLIAM LALOR,  
GUNNING S. BEDFORD,  
AMBROSE H. PURDY,  
Commissioners.

Dated New York, November 20, 1879.

In the matter of the application of the Department of Public Parks, for and on behalf of the Mayor, Aldermen, and Commonalty of the City of New York, relative to the opening of the Bronx river road, from Grand avenue to the north line of the City of New York.

**NOTICE IS HEREBY GIVEN THAT THE BILL** of the costs, charges, and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court, in the New Court-house at the City Hall, in the City of New York, on the 4th day of December, 1879, at 10 o'clock in the forenoon.

GEORGE W. MCGLYNN,  
BERNARD SMYTH,  
JULIUS HERDERMAN,  
Commissioners.

Dated New York, November 17, 1879.

## DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, November 26, 1879.

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

At Work-house, Blackwell's Island—Mary Brown; committed September 2, for three months. Nothing known of her friends or relatives.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

## FINANCE DEPARTMENT.

FINANCE DEPARTMENT,  
BUREAU FOR THE COLLECTION OF TAXES,  
32 NEW CHAMBERS STREET,  
NEW YORK, December 1, 1879.

## NOTICE TO TAX-PAYERS.

**ALL PERSONS WHO HAVE OMITTED TO PAY** their taxes for the year 1879, are hereby notified, as required by law, to pay the same to the Receiver of Taxes at his office, on or before the 1st day of January, 1880.

One per cent. will be collected on all taxes paid before the 15th day of December, instant; two per cent. on all taxes paid on and after that date, and interest at the rate of twelve per cent. per annum, computed from the 27th of October last (the day on which the assessment rolls and warrants were delivered to the Receiver), on all taxes remaining unpaid on and after the said 1st day of January, 1880.

No money will be received after 2 o'clock P. M. Office hours from 8 A. M. to 2 P. M.

MARTIN T. McMAHON,  
Receiver of Taxes.

WILLIAM KENNELLY, AUCTIONEER.

CORPORATION SALE OF THE MARION STREET BELL TOWER.

**THE COMPTROLLER OF THE CITY OF NEW** York will sell at public auction, on Monday, November 24, 1879, at 12 o'clock noon, at the New County Court-house, the building known as the Marion Street Bell Tower.

## TERMS OF SALE.

Cash to be paid to the Collector of the City Revenue at the time and place of sale. The successful bidder to remove the building within thirty days from the date of sale, and to leave the premises on which it stands free from all material of the same.

The ground on which the tower stands to be smoothly and evenly graded.

JOHN KELLY,  
Comptroller.

CITY OF NEW YORK, DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, October 25, 1879.

The above sale is adjourned to Monday, December 8 1879, at the same hour and place.

JOHN KELLY,  
Comptroller.

COMPTROLLER'S OFFICE,  
NEW YORK, November 24, 1879.

DEPARTMENT OF FINANCE,  
BUREAU FOR COLLECTION OF TAXES,  
No. 32 CHAMBERS STREET,  
NEW YORK, November 1, 1879.

## NOTICE TO TAX-PAYERS.

**NOTICE IS HEREBY GIVEN TO ALL PERSONS** who have omitted to pay their taxes for the year 1879 to the Receiver of Taxes, that unless the same shall be paid to him, at his office, before the first day of December next, one per cent. will be collected on all taxes remaining unpaid on that day, and one per cent. in addition thereto on all taxes remaining unpaid on the 15th day of December next.

No money will be received after 2 o'clock P. M. Office hours from 8 A. M. to 2 P. M.

MARTIN T. McMAHON,  
Receiver of Taxes.

FINANCE DEPARTMENT,  
BUREAU FOR THE COLLECTION OF TAXES,  
No. 32 CHAMBERS STREET,  
NEW YORK, October 21, 1879.

## NOTICE TO TAX-PAYERS.

**THE RECEIVER OF TAXES GIVES NOTICE** that the books for taxes on real estate, personal property, and bank stock for the year 1879, will be opened for payment at this office on Monday, October 27, 1879.

MARTIN T. McMAHON,  
Receiver of Taxes.

DEPARTMENT OF FINANCE,  
BUREAU FOR COLLECTION OF ASSESSMENTS,  
FIRST FLOOR (NEW WING), NEW COURT-HOUSE,  
CITY HALL PARK,  
NEW YORK, Sept. 29, 1879.

## NOTICE TO PROPERTY-HOLDERS.

**PROPERTY-HOLDERS ARE HEREBY NOTI-** fied that the following assessment lists were received this day in this Bureau for collection:

CONFIRMED AND ENTERED SEPTEMBER 23, 1879.

99th street, regulating, grading, setting curb, gutter, and flagging, from 8th to 11th avenue.

109th street, regulating and grading, from 3d to 5th avenue.

115th street, sewer, between 4th and Madison avenues.

77th street, paving, between 3d avenue and Avenue A.

81st street, paving, from 4th to 5th avenue.

Madison avenue, flagging east side, between 80th and 81st streets.

1st avenue, flagging west side, between 59th and 60th streets.

51st street, flagging north side, between Broadway and 8th avenue.

60th street, flagging sidewalks, between 9th avenue and Boulevard.

72d street, flagging, from Lexington to 3d avenue.

85th street, flagging south side, 100 feet west of Lexington avenue.

Madison avenue, fencing vacant lots, between 80th and 81st streets, east side, and in 80th street, between Madison and 4th avenues.

60th and 70th streets and Lexington avenue (Block 360), fencing vacant lots.

44th street, fencing vacant lots, between 10th and 11th avenues.

74th street, fencing vacant lots, southwest corner 4th avenue.

6th avenue, fencing vacant lots, east side, between 124th and