

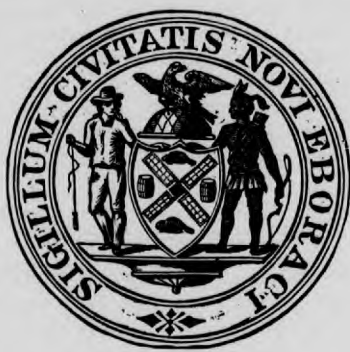
# THE CITY RECORD.

## OFFICIAL JOURNAL.

VOL. VI.

NEW YORK, TUESDAY, JUNE 4, 1878.

NUMBER 1,515.



### DEPARTMENT OF PUBLIC WORKS.

#### Report for the Quarter Ending March 31, 1878.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 19, CITY HALL,  
NEW YORK, May, 1878.

Hon. SMITH ELY, Jr., Mayor :

SIR—In accordance with section 27 of the Charter, I have the honor to submit to you herewith a report of the transactions of the Department of Public Works for the quarter ending March 31, 1878.

#### EXPENDITURES.

The following is the amount of requisitions drawn upon the Comptroller during the quarter :

On account of Appropriations raised by tax.....	\$333,673 94
On account of Assessment Fund, for street improvement.....	121,674 78
On account of Funded Debt, for improvement and extension of water supply.....	104,157 71
Total .....	\$559,506 43

This exceeds the amount of requisitions for the corresponding quarter of last year in the sum of \$36,806.98.

This increase in expenditures over the first quarter of last year is due to the mildness of the winter, which permitted the prosecution of work on street improvements and water-pipes almost without interruption ; and to the payments made on account of repaving streets under the law of 1875, which was first put into practical operation in the spring of 1877.

The amounts expended for street improvements and Croton water works and pipes during the first quarter of 1877, was.....	\$206,366 51
For the first quarter of 1878, including repaving.....	267,872 83
	\$61,506 32

Showing that except for the new work above-mentioned there has been a reduction in the expenses of the Department for the first quarter of 1878 over that of 1877 of \$24,699.34.

The system of writing proposals for all classes of work and supplies which are not by law required to be advertised for public letting, together with the fall in the market prices in staple articles of trade, have resulted in great saving to the city, as will appear from the following statement of prices paid :

	1875 TO 1876.	1878.
No. 1 Fire-hydrants, each.....	\$28 00	\$17 25
Victor Fire-hydrants, each.....	115 00	60 00
Twelve-inch Stop-cocks, each.....	72 00	37 39
Six-inch Stop-cocks, each.....	36 00	22 00
Four-inch Stop-cocks, each.....	24 00	13 25
Stop-cock Boxes, per lb.....	3	1 62-100
Manhole Covers, per lb.....	3½	1 87-100
Granite Basin Heads, each.....	45 00	40 00
Hard Brick, per thousand.....	8 00	7 50
Belgian Blocks, per thousand.....	28 00	18 00
Paving Sand, per cart load.....	52½	35
Gravel, per cubic yard.....	2 10	1 64
Coal, per ton.....	7 00	4 25
Pine wood, per cord.....	14 00	10 25

#### BUREAU OF CHIEF ENGINEER.

An injunction obtained by the Commissioners of Highways, of the Town of South East, Putnam County, has prohibited the Department from filling the new reservoir on the middle branch of the Croton river up to the close of the quarter ; but it is expected that arrangements can be made to open the gates and let in the water in time to receive the April rain-falls, and thus to make the reservoir available for next summer. The dam being practically completed, the remainder of the work is progressing slowly, there being no further necessity for extra exertion to complete it. (The reservoir is now being filled, and already contains about 700,000,000 gallons.)

The dams and flumes at the outlets of the natural lakes are all completed, and the lakes and ponds are filled to high water-mark, except lakes Gilead and Gleneida, which are nearly full.

A map of the land required, plans for the dam, and estimates of the cost for the proposed new Storage Reservoir on the east branch of the Croton river are completed. The reservoir will cover 490 acres, with a depth of 61 feet, and a capacity of 4,300,000,000 gallons. The estimated cost is \$600,000. As we shall now have the benefit of the large reservoir just completed on the middle branch of the Croton, and as we have other plans for increasing the water supply, it will not be advisable to proceed at present with the construction of the reservoir on the east branch. The plans are, however, prepared, and the work may be put under contract whenever it is deemed proper to do so.

#### Bronx River.

The surveys to ascertain the capacity and availability of the Bronx river as an auxilliary to the Croton in furnishing the city with pure water having been completed, it is proper to briefly state the results :

Two reservoirs are to be formed—one at the outlet of Rye Pond, with a dam eight feet high, and a capacity of 575,000,000 gallons—the other near Kensico Station, with a dam thirty-five feet high, and a capacity of 900,000,000 gallons. The water will be taken out at a level of 210 feet above mean tide, and conducted through iron pipes to a distributing reservoir near Williams Bridge, of 60,000,000 gallons capacity, and 50 feet above the level of the aqueduct. It is estimated that a daily supply of 10,000,000 gallons can thus be obtained, and that the cost of the necessary works, lands, etc., to bring this supply to the reservoir at Williams Bridge will be \$1,230,000. In proportion to the quantity of water to be obtained, this estimate of cost compares favorably with the cost of the Croton water works, notwithstanding the increase in the value of lands, cost of materials, and other items since the Croton works were constructed.

I have, in previous reports, stated the advantages of a supply of water from the Bronx and the Rye ponds, viz., that it will come from a water-shed other than the Croton, and through a conduit independent of the Croton aqueduct, thus increasing the actual daily supply to the city about ten per cent., even when the Croton aqueduct is filled to its maximum capacity every day of the year.

The water of the Bronx will also be delivered at an elevation fifty feet above the present aqueduct, and will thus reach the high grounds of the annexed district.

As not exceeding one-third of the quantity proposed to be drawn from the Bronx water-shed will, for some time, be required in the new wards, the surplus may be discharged into the Croton aqueduct, and to that extent will increase the supply to the lower part of the city. For these reasons, I think, the Bronx project feasible and economical. It will, by an outlay not much exceeding one million of dollars, avoid the necessity of building a new and expensive aqueduct for several years, and until the city is better able to bear the burthen, while the conduit from the Bronx will always remain a useful part of our water system.

This subject will be treated of in more detail in a later report, and after the surveys of the Housatonic, to be prosecuted this season, are completed. The subject of a permanent and abundant supply of water for this great city is one of the most important and interesting which can engage the attention of the authorities. In conjunction with the Chief Engineer, I have given the matter careful consideration, and desire, while I remain in the Department, to place upon its records the full results of our surveys and examinations, in the shape of maps, plans, estimates, and reports to be used in connection with those of my predecessors, when necessity shall require.

#### The Aqueduct.

The aqueduct has constantly delivered a volume of water 7 feet 4 inches in depth. For a short period only, during the cold weather in January, the consumption exceeded the capacity of the aqueduct, reducing the depth of the water in the Park reservoirs 18 inches, showing that to some extent the people still resort to the pernicious expedient of keeping faucets open and running in cold weather to prevent the water from freezing in the pipes, instead of properly protecting their plumbing against frost.

In proceeding with the work of strengthening the aqueduct, 425 cubic yards of retaining walls have been built, and 515 cubic yards of embankment removed from the top to the sides, 125 yards of stone fence, and 800 feet of board fence were built. Stone houses were constructed at Croton dam and Sing Sing for the storage of materials. The ordinary repairs and care of the aqueduct received prompt attention.

The 6-foot pipes, which were laid in 1866-69 in Ninetieth street and Eighth avenue, to replace the masonry aqueduct, are a source of constant care and expense to the Department. They are of insufficient strength, without proper allowance for contraction and expansion by changes of temperature, and laid on insecure foundation. Twenty of them split at the hubs or joints when the water was first let into them ; thirty of them cracked in 1872, and twenty in 1873, after Eighth avenue was regraded, probably in consequence of the additional weight of material placed over them.

In 1875 ten of them broke and had to be repaired, and in 1876 twenty-two of them in Ninetieth street were broken after the street was graded. In January last twenty-five of the pipes were broken, and are now being repaired. The repairs consist in placing iron bands or sleeves around the broken parts. To make these pipes permanently secure it will be necessary to expend about \$50,000 in placing bands and sleeves around them, or in placing a solid mass of concrete under and around them.

#### Distributing Pipes.

During the quarter there were laid :

300 lineal feet of 48-inch pipe.
9,000 " " 20 "
2,363 " " 12 "
7,496 " " 6 "

Total, 19,159 lineal feet of pipes.

Thirty-three large and forty-one small fire-hydrants were placed. Contracts have been made for the manufacture of 4,090 tons of pipe and for laying 20-inch pipes in Tenth and Eleventh avenues. Bids have also been invited for two other contracts, including all the small pipes authorized by the Common Council.

The supply of water to shipping and for building purposes, which was under contract until last June, has been continued under the immediate direction of the Department, with satisfaction to the consumers, and profit to the city, both by increased revenue and saving of water. The amount collected during the quarter is :

From shipping.....	\$22,646 16
From builders.....	3,493 25
Total.....	\$26,139 41

#### BUREAU OF WATER PURVEYOR.

A small force was kept at work throughout the winter, except a few weeks of very cold weather, in repairing the pavements, but no new pavements were laid during the quarter.

Under the date of February 5, I certified to the Board of Aldermen that the following streets required repaving under the provisions of chapter 476 of the Laws of 1875 :

#### With Granite-block Pavement.

Barclay street, from Broadway to College place.  
Washington square roadway, from Fifth avenue to South Fifth avenue.  
Waverley place, from Broadway to Christopher street.  
Mercer street, from Canal to Bleecker street.  
Fourteenth street, from University place to Ninth avenue.  
Fifteenth street, from Broadway to Fifth avenue.  
Irving place, from Fourteenth to Twentieth street.  
Seventh avenue, from Fourteenth to Forty-third street.  
Fifteenth street, from Third to Fourth avenue.  
Morris street, from Broadway to Greenwich street.



## BUREAU OF LAMPS AND GAS.

The total number of street-lamps maintained by the city has been increased from 20,917 to 20,960.

The examinations by photometrical apparatus of the gas furnished the city by the several gas companies continue to show satisfactory results as to the illuminating power of gas.

## BUREAU OF SUPPLIES AND REPAIRS.

Considerable repairs and alterations were made in the City Hall, the New Court-house, and the Brown Stone Court-house in the City Hall Park, for the better accommodation of the offices located in these buildings. A new gravel roof has been put over the greater portion of Washington Market. The ordinary repairs to other public buildings received proper attention. The armory of Company K of the Twenty-seventh Regiment, National Guard, located in Morrisania, has been completely fitted up with furniture, gun-racks and other necessities. Fuel, office furniture, law books, and other necessary supplies, have been promptly furnished to the various offices, courts and bureaus. The Free Floating Baths have been put in condition for use during the coming season.

On February 19th the Board of Aldermen adopted, and on February 26th the Mayor approved, the necessary resolution to authorize the repaving of these streets. Forms of contracts and specifications for the work were at once prepared, and proposals invited by advertisement for all except Fifth avenue, from Fifty-ninth to Seventy-second street, and from One Hundred and Twenty-fourth to One Hundred and Thirtieth street; One Hundred and Twenty-eighth street, from Fourth to Sixth avenue, and Waverley place, from Broadway to Christopher street, which were reserved for subsequent lettings if the lowest proposals for the others should leave a sufficient balance on the appropriation of \$300,000.

The proposals were opened on March 15, and the following, being the lowest, were accepted :

Paving Washington square roadway and Mercer street with granite, John G. Smith.....	\$23,310 50
Paving Irving place and Fifteenth street, between Third and Fourth avenues, and Broadway and Fifth avenue, with granite pavement, John G. Smith.....	22,336 90
Paving Barclay and Morris streets, Owen Gearty.....	7,681 30
Paving Fourteenth street, between University place and Ninth avenue, with granite, L. W. Johnson.....	35,593 00
Paving Seventh avenue, between Fourteenth and Forty-third streets, with granite pavement, L. W. Johnson.....	83,702 00
Paving Barrow and White streets with trap-block pavement, C. P. Devlin.....	12,887 60
Paving Madison, Market, and Clinton streets with trap-block pavement, John Slatery..	27,923 50
Paving Pearl street, between Broadway and New Bowery, and Water street, between Whitehall and Fulton streets, with trap-block pavement, Dennis McGrath.....	22,442 32
Paving Twenty-third street, between Third avenue and East river, and Forty-second street, between Third and Fourth avenues, C. P. Devlin.....	20,299 80

Total.....	\$255,686 42
Add estimated cost of inspection.....	10,000 00

Total.....	\$265,686 42
------------	--------------

Leaving a balance on the appropriation of \$34,313.58.

This balance was sufficient only to cover the estimated cost of repaving Fifth avenue, from Fifty-ninth to Seventy-second street, and proposals for that work were then advertised for, to be opened on the 10th of April.

Four of the contracts let on March 15, were signed before the close of the quarter, and the prospects for the prompt execution of all the works are favorable.

Many applications by citizens for renewal and repair of pavements are received daily. As above stated the appropriation of \$300,000 for repaving will be exhausted upon the streets already under contract. Under the head of repairs, however, a considerable improvement can be made, but there are many important thoroughfares, like the Second avenue now paved with cobble, which require early and thorough renewal with block pavement. These must be postponed for another year.

## BUREAU OF WATER REGISTER.

The following amounts of revenue were collected by this Bureau and paid into the City Treasury :

For Croton water rents.....	\$124,510 63
For penalties on Croton water rent.....	3,631 30
For permits to tap Croton pipe.....	1,048 50
For rent of water meters.....	284 50

Total.....	\$129,474 93
------------	--------------

Other revenue collected and paid into the City Treasury :

For vault permits.....	\$1,502 74
“ sewer “.....	2,898 80
“ “ pipe sold to contractors.....	333 82
“ inspection on Elevated railroads.....	391 00
“ work done and materials furnished.....	470 36
“ sales of old materials.....	218 75

Total.....	\$5,815 47
------------	------------

Having been frequently asked as to the comparative rates for water in New York and some of the principal cities of this country, I requested the Chief Engineer to report upon the subject. The following statement shows the general result of the inquiry, and proves that our water rates are quite moderate in comparison with those of other cities :

*First*—Regular rates, charged on all buildings, according to size, and irrespective of the number of occupants or the purposes for which they are occupied.

*Ratio of Charges.*

In New York.....	100
Brooklyn.....	130
Chicago.....	130
Philadelphia.....	140
Boston.....	200

*Second*—Extra charges, in addition to regular rates, according to number of occupants or consumption of water for extra or business purposes :

FOR WHAT PURPOSE.	NEW YORK.	BROOKLYN.	CHICAGO.	PHILADELPHIA.	BOSTON.
Extra number of occupants.....	100	350	125	200	200
Bath fixtures.....	100	100	100	33	167
Water-closets. ....	100	100	125	50	125
Bars.....	100	...	600	125	...
Small steam engines.....	100	62	62	62	100
Large steam engines.....	100	62	62	62	118
Factories.....	100	100	100	100	150
Meter rates.....	100	100	50	83	150

In New York and Brooklyn and Chicago regular rates on buildings are charged according to frontage and number of stories; in Boston, according to valuation of buildings and number of faucets used; and in Philadelphia, according to size of buildings and number of faucets used.

The receipts for regular rates in this city for the past year were about \$800,000.

At Brooklyn rates, they would be \$1,040,000.

At Chicago " " 1,040,000.

At Philadelphia "	"	1,120,000.
-------------------	---	------------

At Boston	"	"	1,600,000.
-----------	---	---	------------

Tenement-houses are rated alike in New York and Philadelphia, but in Brooklyn they are 70 per cent., in Chicago 20 per cent., and in Boston 85 per cent. higher.

In New York and Brooklyn the regular rates include one bath-tub and one water-closet for each dwelling, and extra rates are charged only for additional bath-tubs or closets. In Chicago, Philadelphia, and Boston the extra charge is made for each bath-tub or closet.

Very respectfully,

ALLAN CAMPBELL.

Commissioner of Public Works.

## BUREAU OF STREETS.

The roads and improved streets in the upper part of the city, which are under the charge of this Bureau, have been maintained in proper condition for travel.



## Appendix "A."

Showing Titles of Appropriations; Amount of Appropriations and Transfers of 1877; Requisitions during the year 1877; Requisitions of First Quarter, 1878, on Liabilities of 1877; Balances of Appropriations of 1877 on April 1, 1878; Appropriations for 1878; Requisitions of First Quarter, 1878; Balances, April 1, 1878; and the Titles and Conditions of the "Trust Accounts."

TITLES OF APPROPRIATIONS.	APPROPRIATIONS AND TRANSFERS, 1877.	REQUISITIONS TO DECEMBER 31, 1877.	REQUISITIONS ON LIABILITIES OF 1877 SINCE DECEMBER 31.	BALANCES OF 1877 ON APRIL 1, 1878.	APPROPRIATIONS OF 1878.	REQUISITIONS, FIRST QUARTER, 1878.	BALANCES, APRIL 1, 1878.
Aqueduct—Repairs and Maintenance.....	\$103,000 00	\$94,164 28	\$8,819 22	\$16 50	\$100,000 00	\$12,228 19	\$87,771 81
Boulevards, Roads, and Avenues, Maintenance of.....	45,000 00	41,570 54	3,333 55	95 91	40,000 00	7,165 53	32,834 47
Contingencies—Department of Public Works.....	2,700 00	2,700 00	300 05	60 45	2,500 00	127 90	2,372 10
Flagging Sidewalks and Fencing Vacant Lots, etc.....	1,000 00	200 00	.....	734 00	1,000 00	.....	1,000 00
Free Floating Baths.....	7,371 44	7,217 44	.....	154 00	8,600 00	217 50	8,382 50
Free Floating Baths, Additional (Special).....	30,130 87	13,571 60	.....	16,559 27	16,559 27	434 56	16,124 71
Lamps and Gas.....	63,095 95	58,937 39	46,638 85	519 71	600,000 00	91,283 35	508,716 65
Public Buildings—Construction and Repairs, etc.....	43,934 82	38,755 99	5,097 21	82 52	35,000 00	6,032 90	28,967 10
Public Drinking Hydrants.....	2,500 00	2,493 82	35 75	43	4,000 00	204 81	3,795 19
Removing Obstructions in Streets and Avenues.....	2,000 00	1,530 77	353 72	115 51	4,000 00	904 88	3,095 12
Repairing and Renewal of Pipes, Stop-cocks, etc.....	104,880 41	97,410 68	4,501 46	2,968 27	90,000 00	17,572 20	72,427 80
Repaving under chapter 476, Laws of 1875.....	211,000 00	156,988 07	42,041 34	11,970 59	300,000 00	601 66	299,398 34
Repairs and Renewal of Pavements.....	183,000 00	179,460 54	3,253 67	285 79	150,000 00	4,349 41	145,650 59
Roads and Avenues, and Sprinkling.....	21,500 00	19,455 70	2,041 92	2 38	20,000 00	917 78	19,082 22
Salaries—Department of Public Works.....	100,000 00	99,950 12	.....	49 88	95,000 00	23,478 88	71,521 12
Sewers—Repairing and Cleaning.....	52,800 00	42,164 67	7,860 52	2,774 81	60,000 00	6,861 68	53,138 32
Street Improvements—For Street Signs, etc.....	1,000 00	923 20	.....	376 80	1,000 00	350 00	650 00
Supplies for and Cleaning Public Offices, etc.....	102,628 56	99,567 04	2,911 88	149 64	90,000 00	24,891 34	65,108 66
Supplying Water to Shipping and for Building Purposes.....	3,000 00	2,361 97	235 19	*582 41	8,000 00	1,950 00	6,050 00
Wells and Pumps—Repairing and Cleaning.....	.....	.....	.....	.....	3,000 00	61 25	2,938 75
Totals.....	\$1,650,542 05	\$1,485,738 42	\$127,484 33	\$37,498 87	\$1,627,659 27	\$199,633 82	\$1,428,025 45

\* Credited by voucher returned, \$179.57.

TRUST ACCOUNTS.	AMOUNT AUTHORIZED BY BOARD OF ESTIMATE AND APPOINTMENT.	AMOUNT CALLED FOR BY COMMISSIONER OF PUBLIC WORKS.	AMOUNT OF REQUISITIONS TO JANUARY 1, 1878.	REQUISITIONS, FIRST QUARTER, 1878.	AMOUNT TO CREDIT, APRIL 1, 1878.
Additional Alterations of Aqueduct, Ninety-third to One Hundred and Thirteenth street.....	\$3,550,000 00	\$3,600,000 00	\$3,598,439 45	.....	\$1,560 55
Additional Alterations of Aqueduct, One Hundred and Eighteenth to One Hundred and Forty-second street.....	65,165 57	100,000 00	57,515 93	.....	42,484 07
Boulevards, Roads, etc.—Assessment Fund.....	.....	.....	165,986 51	\$5,439 93	20,004 33
Croton Water Works Extension—High Service, Carmansville.....	.....	127,729 29	127 418 02	.....	311 27
Croton Water Works Extension—Storage Reservoir.....	1,125,000 00	1,200,000 00	1,122,272 53	25,720 83	52,006 64
Croton Water Fund.....	3,625,000 00	3,750,000 00	3,702,957 80	.....	47,042 20
Croton Water-main Fund, No. 2.....	870,000 00	988,000 00	695,451 12	78,436 88	214,112 00
Meter Stock.....	50,000 00	1,025,000 00	703,352 83	2,873 63	18,773 54
Pavement Repair Stock.....	245,000 00	373,000 00	299,436 97	.....	50,000 00
Sewer Repair Stock.....	.....	.....	.....	113,361 20	73,563 03
Street Improvement Fund.....	500,000 00	500,000 00	499,914 37	.....	85 63
Water Stock of 1870.....	.....	.....	.....	.....	.....

† Under litigation for Navarro Meter Contract, \$700,000.

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

## Appendix "B."

Being a Statement in detail of Expenditures of the Department of Public Works for which Requisitions were drawn on the Comptroller, during the quarter ending March 31, 1878.

## APPROPRIATION ACCOUNTS.

Aqueduct—Repairs and Maintenance, for 1877—	
Building stone.....	\$450 00
Flagging.....	48 96
Miscellaneous expenses.....	267 12
Oil.....	132 36
Pay-rolls.....	5,151 32
Repairing roof.....	234 95
Repairing tools.....	54 74
Taxes.....	2,479 77
Total.....	\$8,819 22
Aqueduct—Repairs and Maintenance, for 1878—	
Coal and wood.....	\$43 33
Lumber.....	508 82
Oil, etc.....	468 35
Pay-rolls.....	9,758 99
Taxes.....	1,325 74
Tools.....	122 96
Total.....	\$12,228 19
Boulevards, Roads, and Avenues, Maintenance of, for 1877—	
Broken stone.....	\$64 32
Coal and wood.....	45 25
Filling.....	43 68
Gravel.....	1,047 92
Horsekeeping.....	91 13
Leather.....	20 50
Paving gutters.....	654 12
Pay-rolls.....	852 02
Rent of office.....	64 00
Rubber hose.....	151 60
Screenings.....	244 74
Supplies.....	54 27
Total.....	\$3,333 55
Boulevards, Roads, and Avenues, Maintenance of, for 1878—	
Broken stone.....	\$180 72
Filling.....	37 62
Gravel.....	300 73
Horsekeeping.....	20 43
Lumber.....	31 48
Pay-rolls.....	6,531 07
Rent of office.....	32 00
Supplies.....	8 80
Wire.....	22 68
Total.....	\$7,165 53
Contingencies, for 1877—	
Traveling expenses.....	\$360 05
Contingencies, for 1878—	
Incidental expenses.....	\$100 00
Traveling expenses.....	27 90
Total.....	\$127 90
Free Floating Baths, for 1878—	
Pay-rolls, Watchman.....	\$217 50

## Additional Free Floating Baths, for 1878—

Coal and wood.....	\$16 35
Pay-rolls, Watchman.....	217 50
Restoring baths to moorings.....	114 00
Rope.....	86 71
Total.....	\$434 56
Lamps and Gas, for 1877—	
Lighting Brown Stone Building.....	\$18 00
City Hall.....	255 60
County Jail.....	173 76
Court, 2d District Civil.....	7 68
4th.....	2 40
5th.....	1 68
6th.....	2 16
8th.....	2 16
9th.....	55
1st District Police.....	83 04
2d.....	26 64
3d.....	39 84
4th.....	34 43
5th.....	11 00
Marine.....	3 60
Special Sessions.....	1 20
Department of Buildings.....	1 20
Engine-house at High Bridge.....	101 47
Market, Catharine.....	36 48
Centre.....	99 12
Clinton.....	97 44
Essex.....	45 36
Fulton.....	240 24
Jefferson.....	46 08
Tompkins.....	82 80
Union.....	20 16
Washington.....	206 60
Office, Corporation Attorney.....	14 40
Receiver of Taxes.....	133 92
Offices in New Court-house.....	318 00
Photometrical Rooms.....	16 11
Rivington Street Yard.....	2 16
South Gate-house.....	5 77
Streets, Central Gas-light Co.....	5,822 11
Harlem.....	5,835 04
Manhattan.....	9,123 00
Metropolitan.....	8,903 45
New York.....	4,290 60
New York Mutual Gas-light Co.....	1,448 72
N. Y. and N. J. Globe Gas-light Co.....	4,637 42
Suburban Gas-light Co.....	4,028 54
Yonkers.....	202 25
Rent of Photometrical Rooms.....	216 67
Total.....	\$46,638 85
Lamps and Gas, for 1878—	
Candles.....	\$48 00
Crossheads and bolts.....	140 00
Glass.....	74 00
Lamps.....	1,466 26
Lamp-globes.....	362 50
Lamp-irons.....	250 00
Lamp-posts.....	690 00
Lamp-tops.....	200 00
Lighting Brown Stone Building.....	27 74
City Hall.....	437 19
County Jail.....	366 70
Court, 2d District Civil.....	11 97
4th.....	4 37
5th.....	4 37
6th.....	3 99
8th.....	4 56



## Lamps and Gas, for 1878—

Lighting Court, 9th District Civil	\$0 55
" " 1st District Police	159 98
" " 2d " "	56 43
" " 3d " "	69 92
" " 4th " "	77 17
" " 5th " "	23 10
" " Marine	6 65
" " Special Sessions	1 52
" Department of Buildings	6 27
" Engine-house, High Bridge	175 44
" Market, Catharine	62 51
" " Centre	186 96
" " Clinton	183 16
" " Essex	83 79
" " Fulton	408 69
" " Jefferson	89 68
" " Tompkins	171 76
" " Union	39 90
" " Washington	378 67
" New Court-house	651 32
" Office, One Hundred and Twenty-fifth street and Eighth avenue	82
" Corporation Attorney	30 21
" Receiver of Taxes	223 82
" Photometrical Rooms	34 91
" Rivington Street Yard	3 23
" South Gate-house	6 87
" Streets, Central Gas-light Co.	11,714 22
" " Harlem	17,129 53
" " Manhattan	19,887 00
" " Metropolitan	13,281 01
" " New York	9,396 57
" " N. Y. Mutual	2,347 50
" " Suburban	8,063 99
" " Yonkers	432 00
Supplies	11 55
Pay-rolls, Inspectors and Lighters	1,795 00
Total	\$91,283 35

## Public Buildings—Construction and Repairs, for 1877—

Armory, Twenty-seventh Regiment	\$119 00
Arsenal, Elm and White streets	54 35
Brown Stone Building	285 10
Bureau Repairs and Supplies	95 33
City Hall	518 43
County Jail	24 88
Engine-house (City Hall Park)	379 43
Fifty-seventh Street Court-house	6 40
Third District Court-house	35 73
Second District Civil Court	11 50
Third District Police Court	15 14
Market, Catharine	57 91
" Centre	41 07
" Clinton	144 28
" Essex	136 93
" Fulton	49 32
" Jefferson	45 00
" Tompkins	374 64
" Washington	855 00
New Court-house	1,676 68
No. 49 Beekman street	35 16
No. 19 Chatham street	3 75
No. 9 Franklin street	15 10
No. 61 Thompson street	117 08
Total	\$5,097 21

## Public Buildings—Construction and Repairs, for 1878—

Armory, Eleventh Regiment	\$30 16
" Twenty-seventh Regiment	25 00
" Sixty-ninth Regiment	19 80
Arsenal, Elm and White streets	17 97
Brown Stone Building	563 32
Bureau Repairs and Supplies	165 01
City Hall	447 72
City Prison	6 97
County Jail	295 31
Court, 2d District Civil	11 88
" 5th " "	50 00
" 7th " "	8 00
" 9th " "	9 39
" 3d District Police	688 69
Court-house, 3d District	139 33
" 7th " "	21 42
" Fifty-seventh street	2 65
Engine-house, City Hall Park	1 62
Market, Catharine	26 60
" Fulton	7 99
" Jefferson	134 21
" Tompkins	177 00
" Union	4 23
" Washington	80 02
New Court-house	1,722 85
Office of Register	740 48
" Corporation Counsel	25 69
Pay-rolls	600 00
Street, No. 49 Beekman	7 72
" No. 27 Chambers	1 87
Total	\$6,032 90

## Public Drinking-hydrants, for 1877—

Repairing	\$35 75
-----------	---------

## Public Drinking-hydrants for 1878—

Repairing	\$204 81
-----------	----------

## Removing Obstructions in Streets and Avenues, for 1877—

Carting and labor	\$158 60
Clearing passage, Barclay street	30 62
Pay-rolls	114 50
Storage	50 00
Total	\$353 72

## Removing Obstructions in Streets and Avenues, for 1878—

Carting and labor	\$214 35
Clearing passage	112 53
Pay-rolls	573 00
Removing trees	5 00
Total	\$904 88

## Repairing and Renewal of Pipes, Stop-cocks, etc., for 1877—

Cement	\$4 80
Horsekeeping	18 99
Hydrant boxes	550 00
Hydrant nozzles, etc	392 00
Pay-rolls	2,402 22
Repairing harness	20 45
" hydrants, etc	201 50
" wagon	39 25
Stuffing boxes	342 00
Stop-cocks, etc	530 25
Total	\$4,501 46

## Repairing and Renewal of Pipes, Stop-cocks, etc., for 1878—

Coal and wood	\$119 00
Horsekeeping	129 94
Hydrants, repairing	187 50
Lumber	105 44
Pay-rolls	16,212 50
Steel and iron	77 27
Stuffing boxes and covers	112 50
Supplies	175 12
Tapping cocks and boxes	331 85
Tools	121 08
Total	\$17,572 20

## Repaving, under Chapter 476, Laws of 1875, for 1877—

Pay-roll, Inspectors	\$157 50
Repaving Maiden Lane, Liberty and Cortlandt streets	9,889 13
Repaving Sixth avenue, between Forty-second and Fifty-ninth streets	31,994 71
Total	\$42,041 34

## Repaving, under Chapter 476, Laws of 1875, for 1878—

Pay-roll, Engineers	\$601 66
---------------------	----------

## Repairs and Renewal of Pavements, for 1877—

Pay-rolls	\$2,646 82
Repairing tools	135 05
Sand	471 80
Total	\$3,253 67

## Repairs and Renewal of Pavements, for 1878—

Bridge stone	\$140 00
Pay-rolls	3,429 40
Repairing tools	114 10
Sand	175 00
Trucking stone	490 91
Total	\$4,349 41

## Roads and Avenues and Sprinkling, for 1877—

Gravel	\$840 00
Pay-rolls	645 57
Repairing tools	31 35
Stone chips	525 00
Total	\$2,041 92

## Roads and Avenues and Sprinkling, for 1878—

Pay-rolls	\$917 78
-----------	----------

## Salaries—Department of Public Works, for 1878—

Pay-rolls	\$23,478 88
-----------	-------------

## Sewers—Repairing and Cleaning, for 1877—

Basin heads	\$245 00
Building culvert	847 21
Building gully trap	108 80
Cement	37 50
Cleaning basins and culverts	550 00
Extension sewer	436 60
Lumber	55 50
Pay-rolls	3,390 05
Rebuilding sewers	1,917 66
Tools	272 20
Total	\$7,860 52

## Sewers—Repairing and Cleaning, for 1878—

Cement	\$31 25
Cleaning basins and culverts	1,300 00
Lumber	146 95
Pay-rolls	5,383 48
Total	\$6,861 68

## Street Improvements—For Street Signs, etc., for 1878—

Insurance maps of New York	\$350 00
----------------------------	----------

## Supplies for and Cleaning Public Offices, etc., for 1877—

Armory, Battery B	\$24 70
Board of Assessors	51 61
Brown Stone Building	269 64
Bureau Repairs and Supplies	764 37
City Hall	230 83
County Jail	5 50
Court, 1st District Civil	9 96
" 2d " "	35 89
" 3d " "	22 37
" 4th " "	33 73
" 5th " "	12 55
" 6th " "	12 44
" 7th " "	14 54
" 8th " "	23 08
" 9th " "	28 70
" 10th " "	3 94
" 1st District Police	112 95
" 2d " "	87 37
" 3d " "	29 74
" 4th " "	21 09
" 5th " "	8 05
" 6th " "	7 05
" Common Pleas	25 50
" Marine	60 39
" Special Sessions	77 08
" Superior	69 50
Department of Buildings	22 70
" Finance	72 30
" Public Works	35 50



Supplies for and Cleaning Public Offices, etc., for 1877—

New Court-house .....	\$406 57
Office, Corporation Attorney.....	143 44
“ Corporation Counsel.....	24 86
“ District Attorney.....	10 00
“ Engineers, Boulevard.....	23 75
“ Mayor.....	29 74
“ Public Administrator.....	40 30
“ Register.....	25 35
“ Surrogate.....	21 00
Pay-roll .....	12 00
Total .....	\$2,911 88

Supplies for and Cleaning Public Offices, etc., for 1878—

Armory, Twenty-seventh Regiment.	\$147	55
Board of Aldermen.	39	05
“ Assessors.	28	50
Brown-stone Building.	101	00
Bureau Repairs and Supplies.	544	22
City Hall.	861	06
County Jail.	379	35
Court, 1st District Civil.	127	35
“ 2d “	53	50
“ 3d “	336	91
“ 4th “	83	36
“ 5th “	8	00
“ 6th “	64	10
“ 8th “	194	43
“ 9th “	5	25
“ 1st District Police.	53	50
“ 2d “	55	55
“ 3d “	642	72
“ 4th “	120	00
“ 5th “	135	25
“ 6th “	9	00
“ Common Pleas.	82	25
“ General Sessions.	205	21
“ Marine.	18	00
“ Special Sessions.	60	87
“ Superior.	174	40
Department of Buildings.	24	00
“ Finance.	78	30
“ Public Works.	123	60
“ Taxes and Assessments.	24	00
New Court-house.	1,772	46
No. 49 Beekman street.	36	00
No. 27 Chambers street.	54	75
Office of City Record.	48	93
“ Corporation Attorney.	46	50
“ Corporation Counsel.	164	10
“ County Clerk.	10	00
“ District Attorney.	38	00
“ Engineers, Boulevard.	14	25
“ Mayor.	10	75
“ Public Administrator.	17	00
“ Surrogate.	14	03
Pay-rolls.	17,862	36
Yard, Gansevoort Street.	4	00
“ Rivington Street.	17	93
Total.	\$24,891	34

Supplying Water to Shipping, etc., for 1878—

Pay-rolls—Superintendent, etc.....	\$1,950 00
------------------------------------	------------

Third District Court-house, for 1877—

Carpenter work.....	\$4,211 64
Flagging.....	240 00
Mason work.....	295 63
Stone cutting.....	1,808 52
<b>Total.....</b>	<b>\$6,555 79</b>

Well and Pumps—Repairing and Cleaning, for 1877—

Repairing pumps.....	\$235 19
----------------------	----------

Wells and Pumps—Repairing and Cleaning, for 1878—

Repairing pumps.....	\$61 25
----------------------	---------

## RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs and Maintenance, for 1877.....	\$8,819	22
“ “ “ “ 1878.....	12,228	19
Boulevards, Roads, etc.—Maintenance, for 1877.....	3,333	55
“ “ “ “ 1878.....	7,105	53
Contingencies—Department of Public Works, for 1877.....	360	05
“ “ “ “ 1878.....	127	90
Free Floating Baths, for 1878.....	217	50
“ (Additional) for 1878.....	434	56
Lamps and Gas, for 1877.....	46,638	85
“ “ “ “ 1878.....	91,283	35
Public Buildings—Construction and Repairs, for 1877.....	5,007	21
“ “ “ “ 1878.....	6,032	90
Public Drinking Hydrants, for 1877.....	35	75
“ “ “ “ 1878.....	204	81
Removing Obstructions in Streets and Avenues, for 1877.....	353	72
“ “ “ “ 1878.....	904	88
Repairing and Renewal of Pipes, Stop-cocks, etc., for 1877.....	4,501	46
“ “ “ “ 1878.....	17,572	20
Repaving, under Chapter 476, Laws 1875, for 1877.....	42,041	34
“ “ “ “ 1878.....	601	66
Repairs and Renewal of Pavements, for 1877.....	3,253	67
“ “ “ “ 1878.....	4,349	41
Roads and Avenues, and Sprinkling, for 1877.....	2,041	92
“ “ “ “ 1878.....	917	78
Salaries—Department of Public Works, for 1878.....	23,478	88
Sewers—Repairing and Cleaning, for 1877.....	7,860	52
“ “ “ “ 1878.....	6,861	68
Street Improvements—For Street Signs, etc., for 1878.....	350	00
Supplies for and Cleaning Public Offices, etc., for 1877.....	2,911	88
“ “ “ “ 1878.....	24,891	34
Supplying Water to Shipping, etc., for 1878.....	1,950	00
Third District Court-house, for 1877.....	6,555	79
Wells and Pumps—Repairing and Cleaning, for 1877.....	235	19
“ “ “ “ 1878.....	61	25
Total.....	\$333,673	94

### TRUST ACCOUNTS.

CROTON WATER FUND.

Constructing Storage Reservoir .....	\$14,340 60
Damages—Drawing down Lake .....	10 00
Examining titles to land .....	3,299 95

Geologist—Services	\$1,582 00
Horsekeeping	120 00
Incidentals	123 19
Lithographing	195 50
Maps	40 00
Pay-rolls	4,331 24
Rent of mill seat	375 00
“ office	65 00
Repairing dam	21 15
“ instruments	18 00
Supplies	12 00
Taxes	237 47
Traveling expenses	34 16
Trucking pipe	915 57

Total.....	\$25,720 83
------------	-------------

## CROTON WATER-MAIN FUND NO. 2.

Cast-iron pipe.....	\$29,925	26
Castings.....	74	25
Connecting mains.....	457	66
Cement.....	48	00
Horsekeeping.....	101	00
Hydrants and stop-cocks.....	6,694	55
Incidentals.....	33	98
Laying Croton-mains.....	22,866	26
Pay-rolls.....	14,386	80
Removing mains.....	1,071	65
Sand.....	350	00
Stop-cock boxes and covers.....	2,206	57
Waste-cocks.....	98	00
Traveling expenses.....	122	90

Total.....	\$78,436 88
------------	-------------

METER STOCK.

Water meters . . . . .	\$2,873 63
------------------------	------------

## STREET IMPROVEMENT FUND.

Crosswalks—	
Lexington avenue and One Hundred and Seventeenth street, Thomas L. Butler, contractor.....	\$124 27
Flagging—	
North side Forty-third street, between Ninth and Tenth avenues, Patrick Burns, contractor.....	49 50
Paving—	
Avenue A, between Eighty-sixth and Ninety-third streets, J. B. Devlin, contractor.....	\$1,095 30
Fourth avenue, between Forty-ninth and Sixty-seventh streets, C. P. Devlin, contractor.....	3,376 00
Seventy-ninth street, between Ninth avenue and Hudson river, J. G. Smith, contractor.....	1,652 12
Ninety-fifth street, between First and Second avenues, E. Bradburn, contractor.....	225 45
One Hundredth street, between Eighth and Tenth avenues, P. Mulholland, contractor.....	579 20
One Hundred and Third street, between Lexington and Fourth avenues, D. McGrath, contractor.....	2,871 97
One Hundred and Sixth street, between Third avenue and Harlem river, D. McGrath, contractor.....	1,353 67
One Hundred and Nineteenth street, between Avenue A and Harlem river, George A. Treacy, contractor.....	244 52
One Hundred and Twenty-first street, between Avenue A and First avenue, D. McGrath, contractor.....	2,318 98
One Hundred and Twenty-first street, between First avenue and Fourth avenue, J. B. Devlin, contractor.....	730 80
Lawrence street, between Ninth avenue and Boulevard, George F. Doak, contractor.....	657 80

Total.....	15,105 81
------------	-----------

Receiving-basins—	
Fifth avenue, opposite One Hundred and Eighth and One Hundred and Ninth streets, Lawrence Rock, contractor.....	\$202 80
Madison avenue, northeast corner Fifty-ninth street, Chris. Keyes, contractor.....	41 00
Lexington avenue, southwest corner One Hundred and Twenty-seventh street, Lawrence Rock, contractor.....	109 70
Grand street, southwest corner Ridge street, Chris. Keyes, contractor..	104 60
Total.....	458 10

## Regulating, Grading, etc.—

Fourth avenue, between One Hundred and Second and One Hundred and Tenth streets, E. Bradburn, contractor.....	\$1,291 36
Eighth avenue, between One Hundred and Twenty-fifth street and Harlem river, Mills & Ambrose, contractors.....	22,729 00
Tenth avenue, between Eighty-first and Eighty-second streets, J. Mulholland, contractor.....	1,226 84
Tenth avenue, between Ninety-fifth and One Hundred and Tenth streets, J. Slattery, contractor.....	1,713 60
Eleventh avenue, between Fifty-ninth and Seventy-second streets, M. Gavin, contractor.....	12,949 13
Seventy-eighth street, between Boulevard and Ninth avenue, P. Mulholland, contractor.....	1,449 00
One Hundred and Third street, between First and Fifth avenues, J. C. Dowling, contractor.....	1,596 00
One Hundred and Forty-sixth street, between Tenth avenue and Boulevard, D. Crowley, contractor.....	3,634 07

## Retaining Wall—

Forty-second street, between First and Second avenues J. R. Byron, contractor.. 1,065 22

Sewers--  
First

First avenue, between Second and One Hundred and Twenty streets, J. C. Dowling, contractor.....	\$1,883 58
Fifth avenue, between One Hundred and Twenty-second and One Hundred and Twenty-third streets, L. Rock, contractor.....	549 00
Eighth avenue, between Ninety-second and One Hundred and Fifth streets, Alex. Lutz, contractor.....	2,993 90
Tenth avenue, between Seventy-seventh and Eighty-first streets, B. Noonan, contractor.....	3,418 80
Eleventh avenue, between Sixtieth and Sixty-fourth streets, J. H. McCabe, contractor.....	3,229 24
Eleventh avenue, between Sixty-sixth and Seventy-sixth streets, Crimmins & Dowdney, contractors.....	1,720 25
Fortieth street, between Tenth avenue and Hudson river, Devlin & McKim, contractors.....	9,175 70
Forty-second street, between Third avenue and East river, J. Mulholland, contractor.....	2,790 65
Forty-fourth street, between Second and Third avenues, R. McChristie, contractor.....	2,032 24
One Hundred and Nineteenth street, between Fourth and Fifth avenues, J. G. Smith, contractor.....	2,933 63
Washington street, between Fulton and Vesey streets, L. Rock, contractor.....	397 26

Total.....	31,124 25
------------	-----------



Incidental expenses.....	\$316 21
Pay-rolls, Engineers, etc., Sewers.....	9,970 57
"    Inspectors Sewers.....	4,950 26
"    Paving.....	56 00
"    Regulating, Grading, etc.....	1,541 00
Surveyor's fees.....	2,011 01
Total.....	\$113,361 20

## STREET IMPROVEMENTS ABOVE FIFTY-NINTH STREET.

Avenue St. Nicholas Planting—		
Pay-rolls.....	\$50 93	
Trees.....	20 62	
		\$71 55
Sixth Avenue Planting—		
Pay-rolls.....	\$21 88	
Trees.....	241 39	
		263 27
Seventh Avenue Planting—		
Pay-rolls.....	\$28 15	
Trees.....	424 93	
		453 08
Boulevard Planting—		
Pay-rolls.....	\$106 48	
Trees.....	100 75	
		207 23
One Hundred and Tenth Street Planting—		
Pay-rolls.....	\$992 13	
Trees.....	34 78	
		1,026 91
Ninety-sixth Street, Regulating, Grading, etc.—		
Curbing and flagging.....	\$193 01	
Pay-rolls.....	6 80	
		199 81
One Hundred and Tenth Street, Regulating, Grading, etc.—		
Pay-rolls.....	\$521 95	
Surveying.....	1,430 67	
		1,952 62
One Hundred and Tenth Street Superstructure—		
Pay-rolls.....		270 69
One Hundred and Twenty-fourth Street, Regulating, Grading, etc.—		
Pay-rolls.....	\$15 14	
Surveying.....	290 10	
		305 24
One Hundred and Twenty-fourth Street Superstructure—		
Pay-rolls.....		58 93
One Hundred and Twenty-second Street, Telford Pavement—		
Pay-rolls.....	\$326 19	
Surveying.....	304 41	
		630 60
Total.....		\$5,439 93

## RECAPITULATION OF TRUST ACCOUNTS.

Croton Water Fund.....	\$25,720 83
Croton Water-main Fund No. 2.....	78,436 88
Meter Stock.....	2,873 63
Street Improvement Fund.....	113,361 20
Street Improvements above Fifty-ninth Street.....	5,439 93
Total.....	\$225,832 47

## GENERAL SUMMARY.

Appropriations.....	\$333,673 94
Trust Accounts.....	225,832 47
Total amount drawn during quarter ending March 31, 1878.....	\$559,506 41

NEW YORK, April 5, 1878.

ALLAN CAMPBELL, Esq., Commissioner of Public Works:

SIR—I have the honor to report that during the quarter ending March 31, 1878, there has been expended in this Bureau, for work done and materials furnished, and for which bills have been transmitted, as follows:

Aqueduct—Repairs and Maintenance.....	\$21,761 31
Contingencies—Department of Public Works.....	33 00
Croton Water Fund.....	26,054 16
Croton Water-main Fund No. 2.....	71,232 01
Meter Stock.....	2,873 63
Repairing and Renewal of Pipes, Stop-cocks, etc.....	7,362 00
Repaving Streets.....	627 26
Supplying Water to Shipping and Building Purposes.....	1,950 00
Total.....	\$131,893 37

## STORAGE RESERVOIRS.

During the last quarter there has been but little work done on the reservoir being built on the Middle Branch of the Croton. The dam was so far completed last year that the gates could be closed at any time. This has to the present time been prevented by an injunction, granted by the Supreme Court on application of the Commissioners of Highways of the town of Southeast, to prevent the overflowing of the highway between Carmel and Brewster's Station; and which injunction is yet in force. The legal proceedings for procuring the lands to be overflowed, belonging to the Iron Mine Company, are yet pending.

During the last quarter there has on this work been put in—

1,600 cubic yards of embankment.	
50 " rubble masonry.	
22 " brick "	
60 " dry wall "	

The screws put in their places at the tower, and the stop-plank ready to be placed in position whenever the injunction is removed.

8,305 lineal feet of fence walls have been built, which completes them, except across the roads which are still in use.

The roads built around the reservoir, to replace those to be overflowed, are nearly completed, only a few points remaining to be trimmed up when the ground has thoroughly settled.

The materials used in the road built on the northwest side of reservoir, to replace a portion of the present highway between Carmel and Brewster's Station, are hardly suitable, and it may be advisable to cover a portion of it with broken stone, no gravel being obtainable in the vicinity.

The work necessary to complete the dams and flumes at the outlets of the natural lakes, drawn from last season, has been completed, and these lakes, with the exception of Glencida and Gilead, are again full, as also the reservoir at Boyd's Corners.

Lake Glencida has filled three (3) feet, and was, on April 1st, within eighteen (18) inches of high-water mark, and Lake Gilead has filled up six (6) feet.

The rain-fall at the Boyd's Corners reservoir was in January 4.49 inches, in February 3.65 inches, and in March 3.10 inches.

The surveys for a reservoir on the east branch of the Croton river have been completed, and a map made of the lands to be taken—a plan of the dam and an estimate of the costs. It is proposed to build a dam 71 feet in height above the bed of the river, and when full the water will be 61 feet deep. The dam will be 450 feet in length on top, forming a reservoir covering 490 acres of land, and holding 4,300,000 gallons of water. Water-rights, damages, construction of dam, roads, etc., complete, is \$592,680.00.

The surveys of the Bronx river, above White Plains, and its capacity for furnishing an additional supply of pure and wholesome water to the city, has been completed, and the maps, plans and an estimate of the cost made. The character of the country in which the Bronx rises, and through which it flows, above White Plains, is very similar to the water-shed of the Croton, the land being rough and broken, of a granitic formation, and the country thinly settled, with an agricultural popu-

lation. It is proposed to raise a dam at the outlet of the Rye ponds eight feet, forming a reservoir which will hold 575,000,000 gallons of water, and to build a dam on the Bronx river, near Kensico station, 35 feet high. This will form a reservoir flowing 188 acres, and will hold 900,000,000 gallons of water, available in the dry season.

It is proposed to take the water out at a level of 210 feet above mean-tide, and conduct it through cast-iron pipes of 42 inches diameter to a distributing reservoir near Williams' bridge.

This reservoir to have a capacity of 60,000,000 gallons 180 feet above mean tide, and fifty (50) feet above the water in the aqueduct at Jerome Park.

The water shed of the Bronx above the proposed dam is 13 square miles, and with the reservoir formed by the dam will, it is estimated, furnish a daily supply of 10,000,000 gallons of water.

The estimated costs of lands, water rights, damages, pipes and laying, construction of dams and reservoirs complete, is \$1,229,509.

## AQUEDUCT—REPAIRS AND MAINTENANCE.

The aqueduct has delivered an uninterrupted supply of water, with a depth of seven (7) feet four (4) inches flowing through the same.

During the cold weather in January and February eighteen (18) inches in depth of water was lost in the reservoirs in Central Park, the consumption and waste exceeding the supply, but with the warm weather the waste has been checked and the loss regained.

425 cubic yards of retaining wall has been built, 515 yards of earth removed from the top and placed on the sides to support the arch, and 240 cubic yards of stone quarried for retaining walls, 125 yards of stone and 800 feet of board fence built.

The necessary work of repairing fences, cleaning ditches, drains, and culverts, and keeping in order the reservoirs, pipes, stop-cocks, gearing, etc., has been carried on, and store-houses built at Croton Dam and Sing Sing for the better protection of cement and other supplies.

The pumping engines for the high service have been maintained in good order.

The two lines of 6-foot pipes in Ninetieth street and Eighth avenue, laid in 1866-7 by the Croton Aqueduct Board, to replace the aqueduct ordered to be removed by the Legislature in 1865, continue to give much trouble, the pipes not having sufficient thickness of metal to sustain the strain upon them, and the hubs being of such form that they split with any unequal settling. When these pipes were first filled twenty of them split at the hubs, the cracks extending lengthwise of the pipes. They were repaired by placing heavy cast-iron sleeves around the pipes back of the hubs. The grade of Eighth avenue and Ninetieth street has since been raised and the pipes covered from five to twelve feet. In 1872, after the regrading of Eighth avenue was completed, thirty of the pipes cracked and were repaired. In 1873 twenty cracked, one of them having a large piece broken out the side. In 1875 ten cracked and were repaired. In 1876, the grading of Ninetieth street having been completed, twenty-two pipes in this street cracked; ten of these, being all the broken ones on the west line, were repaired.

In January last this line again failed, and a force is now employed repairing the pipes. There were 7 broken on the west line and 15 on the east line, and since the water has been drawn off from the west line, three more have split.

The repairs are made by banding the pipes and caulking the crack with copper strips, and when the pipe is badly cracked, cutting off the hub and putting on cast-iron sleeves to allow play for the contraction and expansion of the iron caused by the varying temperature of the water passing through them, this variation being from 33 degrees to 78 degrees. To make this portion of the aqueduct secure, the foundation under the pipes on the avenue must be made solid, and the pipes strengthened by bands of cast and wrought iron placed around them, at an estimated cost of \$50,000, or by a mass of concrete placed under and around them sufficient to support and sustain the pressure which the pipes are now not able to bear. This, it is estimated, will cost \$56,000.

While repairs are being made, all the water passes through the sunken aqueduct in Ninety-second street to the new reservoir in the Park, but the other line, to the old reservoir, should be strengthened through its whole length (2,500 feet) by uncovering the line and banding all the pipes, or surrounding them with a mass of concrete.

The Health Department has weekly examinations made of the Croton water as taken from the pipes near the School of Mines. These reports show very little variation in the quality and pureness of the water during the year.

The report of the 18th March, the latest received, gives for the parts in 100,000 of—

Inorganic matter.....	4.76
Organic and volatile matter—loss on ignition.....	0.88
	5.64
Carbonate of lime, or its equivalent "hardness".....	1.970
Oxygen required to oxidize organic matter.....	0.140

## LAYING PIPES.

A contract has been made for 4,090 tons of cast-iron water-pipes, which includes all the pipes necessary to carry out the resolutions passed by the Common Council, and approved by the Mayor to March 1, 1878.

Two contracts for laying pipes having been abandoned, the work has been relet, and contracts have also been made for laying pipes on Tenth and Eleventh avenues. Bids have been asked for two other contracts, which include the laying of all the small pipe authorized by resolution of the Common Council.

A gang of men is employed placing hydrants on large mains in Mott and other streets, as asked for by the Fire Department.

## AMOUNT OF PIPE LAID.

48-inch pipe.....	300 lineal feet.
20 ".....	9,000 "
12 ".....	2,363 "
6 ".....	7,496 "
Total.....	19,159 "

33 large hydrants placed  
41 small "

## FURNISHING WATER TO SHIPPING, AND FOR BUILDING PURPOSES.

The inspection of the pipes, etc., on wharves and piers, and of the use of water by parties along the river fronts, and for building purposes, has been continued. No trouble has been experienced by the use of meters on the river fronts from cold weather, care having been taken to have the parties using them properly protect from frost the meters, and their pipes leading on to the piers.

There are now in use 68 meters on pipes furnishing water to shipping.

During the quarter 185 permits have been issued for the use of water for shipping, amounting to.....	\$4,659 66
Amount measured by meter.....	17,986 50
Total.....	\$22,646 16

190 permits were issued for the use of water for building purposes, amounting to..... \$3,493 25

Examinations of the plumbing in buildings, to stop the waste of water, have been continued as follows:

## REPORT OF EXAMINATIONS

Made by Inspectors relative to Leaky Fixtures and Waste of Water, from January 1 to March 31, 1878.

DISTRICT.	Whole number of Buildings Inspected.	Number in which Plumbing was Defective or Water Wasted.	FAUCETS.		WATER CLOSETS OR URINALS.		HYDRANTS IN YARDS.		PIPES BURST.	BALL-COCKS WANTED.
			Leak.	Waste.	Leak.	Waste.	Leak.	Waste.		
Fifth.....	1,494	135	94	23	2	10	2	12	..	..
Seventh.....	1,203	163	249	..	..	..	3	10	..	..
Eighth.....	1,461	404	366	..	20	1	22	..	7	..
Ninth.....	1,192	139	125	..	..	6	19	1	..	..
Tenth.....	503	52	35	2	11	4	4	1	2	..
Eleventh.....	729	66	113	..	4	..	1	..	3	..
Twelfth.....	1,224	124	93	1	15	3	22	5	..	..
Seventeenth.....	1,400	166	226	..	..	1	3	1	2	1
Eighteenth.....	1,263	346	378	6	123	1	1	..	3	3
Nineteenth.....	118	24	16	..	..	..	..	..	..	..
Twentieth.....	1,934	384	353	..	102	2	4	..	5	4
Total.....	12,042	2,003	2,048	32	282	28	81	30	22	11



It must soon become a question requiring decision, whether meters are to be placed on all places where Croton water is used, or an additional supply of water brought into the city.

Very respectfully yours,  
 JOHN C. CAMPBELL,  
 Chief Engineer Croton Aqueduct.

SIR—Following is a report of the transactions of this Bureau for the months of January, February, and March, 1878:

Three companies have been employed in repairing and renewing pipes, stop-cocks and fire-hydrants during the quarter. There have been no serious breaks along the lines of water-pipes and all necessary repairs have been promptly made.

A small force has been engaged during the quarter in placing large hydrants where required and in repaving over Croton-mains.

Only such repairs to street pavements as the public needs absolutely required have been made during the winter months and only a small force has been employed.

For the report of work done in this department of my Bureau during the quarter, I respectfully refer you to the statement of Mr. Frederick H. Hamlin, Engineer-in-charge, marked "A" and hereto annexed.

Number of men employed under charge of Bureau Water Purveyor during the months of January, February, and March, 1878, paid from different appropriations with amounts of pay-rolls :

MONTHS, 1878.	REPAIRS AND RENEWAL OF PAVEMENTS.		CROTON WATER MAIN FUND NO. 2.		REPAIRING AND RENEWAL OF PIPES, STOP-COCKS, ETC.		AQUEDUCT REPAIRS AND MAINTENANCE.	
	No. of Men.	Amounts.	No. of Men.	Amounts.	No. of Men.	Amounts.	No. of Men.	Amounts.
January .....	82	\$2,731 30	72	\$2,864 62	54	\$3,434 11	..	.....
February.....	21	444 92	28	1,181 82	55	3,152 30	..	.....
March .....	21	777 44	41	2,000 31	55	3,560 60	26	\$592 14
Totals.....	124	\$3,951 66	141	\$6,046 75	164	\$10,147 01	26	\$592 14

*Amounts of Pay-rolls for the Quarter.*

Repairs and Renewal of Pavements.....	\$3,951	61
Croton Water Main Fund, No. 2.....	6,046	75
Repairing and Renewal of Pipes, Stop-cocks, etc.....	10,147	01
Aqueduct—Repairs and Maintenance.....	592	14

Number of vault permits issued during the months of January, February, and March, 1878, thirteen (13). Receipts for vault permits, same period, \$1,502.74.

<sup>d</sup>, DANIEL O'REILLY, Water Purveyor.

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

The appropriation for 1878 is.....	\$40,000 00
Amount expended to April 1, 1878.....	8,277 66

Unexpended balance.....	\$31,722 34
-------------------------	-------------

The money has been specifically expended as follows :

The money has been expensively expended as follows:	
Sprinkling .....	\$330 47
Cleaning roads, gutters, etc. ....	1,677 83
Gravel furnished and spread .....	1,276 39
Repairing roads .....	557 86
Cultivating trees .....	393 14
Clearing snow .....	105 89
Repairing sidewalks .....	69 69
Material .....	333 73
General expenses, including supervision, clerk hire, foremens' time, repairing tools, sprinklers, etc., and other necessary expenses.....	3,562 66
Total .....	\$8,277 66

Of this amount the care, as regards labor, of

Avenue St. Nicholas, One Hundred and Tenth street to One Hundred and Twenty-fifth street.....	cost	\$498 98
Avenue St. Nicholas, One Hundred and Twenty-fifth street to One Hundred and Fifty-fifth street.....	cost	700 27
Boulevard, south of Manhattan street.....	"	1,626 28
Boulevard, north of Manhattan street.....	"	1,029 40
Sixth avenue, One Hundred and Tenth street, north.....	"	670 38
Seventh avenue, " " " ".....	"	508 47
Other streets and avenues.....	"	1,398 70
Total.....		<u>\$6,522 48</u>

At present the force consists of 3 foremen, 13 skilled laborers, 17 laborers, 1 blacksmith, 1 watchman, 10 carts, and 4 two-horse teams.

All of which is respectfully submitted.

FRED. H. HAMLIN,  
Engineer in Charge Roads and Avenues.

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

SIR—I have the honor to transmit herewith a report of the transactions of this Bureau for the months of January, February, and March, 1878, showing statements of the amount of work done on the various contracts; of the amount of vouchers drawn, of contracts completed, and contracts under way and suspended; also permits issued by this Bureau during these three months.

For contracts entered during this period I beg to refer to the Chief Clerk's report.

Respectfully,  
GEO. A. JEREMIAH,  
Superintendent Street Improvements.

*Statement of Contracts in Progress in the Bureau of Street Improvements on the 31st of March, 1878.*

LOCATION OF WORK.	NAME OF CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	30 PER CENT. RETAINED.	AMOUNT PAID.	REMARKS.
Regulating, grading, curb, gutter, and flagging—									
Fourth avenue, One Hundred and Second to One Hundred and Tenth street.....	Edward Bradburn.....	W. V. Smith.....	Norman McLeod...	200 days.....	\$12,585 00	\$7,344 80	\$2,203 44	\$5,141 36	
Eighth avenue, One Hundred and Twenty-eighth street to Harlem river.....	Mills & Ambrose.....	W. V. Smith.....	Clark Vandewater...	2½ years..	143,870 75	97,750 00	29,325 00	68,425 00	
Ninth avenue, Seventy-second to Eighty-first street...	Terrence Smith.....	W. V. Smith.....	Suspended.....	5 months...	9,277 00	3,250 00	975 00	2,275 00	Work suspended.
Tenth avenue, Ninety-fifth to One Hundred and Tenth street.....	John Slattery.....	F. M. Leonard.....	John Meade.....	150 days....	15,857 28	8,219 00	2,465 70	5,753 30	
Forty-second street, Second avenue to East river.....	Thomas Connell.....	E. E. McLean.....	Suspended.....	270 days....	15,859 00	11,355 00	3,406 50	7,948 50	Work suspended on account of obstruction from sewer contract.
Sixty-second street, Tenth to Eleventh avenue.....	John Wyberd.....	T. & J. Slator.....	Suspended.....	9 months...	7,967 91	3,034 84	910 45	2,124 39	Work suspended.
Sixty-sixth street, Eighth avenue to Boulevard.....	John Mulholland.....	F. M. Leonard.....	John Maguire.....	300 days....	14,372 76	.....	.....	.....	
Seventy-first street, Fifth avenue to East river.....	Herman Poly.....	W. H. Michaels.....	Charles Schloss.....	4 months...	24,907 80	.....	3,848 10	8,978 90	
Seventy-eighth street, Boulevard to Ninth avenue.....	Patrick Mulholland.....	A. Doubleday.....	Francis Maguire.....	250 days....	15,494 25	10,506 97	3,152 10	7,354 87	
Eighty-first street, Ninth to Tenth avenue.....	Michael Gavin.....	Charles H. Haswell.....	Suspended.....	50 days....	3,587 00	.....	.....	.....	Work suspended.
Ninety-sixth street, Boulevard to Hudson river.....	Abraham Dowdney....	W. V. Smith.....	Samuel Brower.....	550 days....	29,086 00	17,360 00	5,208 00	12,152 00	
One Hundred and Third street, First to Fifth avenue.....	John C. Dowling.....	W. V. Smith.....	Joseph Frankan.....	600 days....	29,360 00	5,573 50	1,672 05	3,901 45	
One Hundred and Sixth street, Madison to Fourth avenue.....	Edward Bradburn.....	W. M. Dean.....	James W. Hazlett..	300 days....	4,206 00	.....	.....	.....	
One Hundred and Ninth street, Third to Fifth avenue	James J. Jones.....	W. V. Smith.....	John T. Maloney....	50 days....	3,025 00	.....	.....	.....	
Curb, gutter, and flagging—									
Fourth avenue, Seventy-first to Seventy-ninth street..	Jeremiah D. Moore....	C. F. Mairs.....	.....	25 days....	2,726 85	.....	.....	.....	Work not yet commenced.
Flagging—									
Sixty-third street, First avenue to East river.....	James Baird.....	Eugene E. McLean.....	.....	15 days....	1,798 38	.....	.....	.....	Work not yet commenced.
Retaining walls, arch, etc.—									
Forty-second street, First to Second avenue.....	Jeremiah R. Byron....	G. S. Avery, Assistant Engineer	Patrick O'Brien.....	100 days....	29,214 50	3,071 50	921 46	2,150 04	
				Total.....	\$363,195 48	\$180,292 61	\$54,087 80	\$126,204 81	
							AMOUNT RETAINED.		
Roads and Avenues—									
Boulevard, tree planting.....	Oliver Van Courtland	Frederick H. Hamlin, Engineer-in-Charge.....	Joseph Murphy...	To be completed spring of 1878.....	\$4,641 90	\$3,471 27	\$877 98	\$2,593 29	
Avenue St. Nicholas, tree planting.....									
Sixth avenue, tree planting.....					1,315 60	1,289 77	297 64	992 13	
Seventh avenue, tree planting.....									
One Hundred and Tenth street, tree planting.....	Jesse Ryder.....								
Tenth avenue, One Hundred and Tenth to Manhattan street.....	John B. Devlin.....			100 days....	3,269 35	.....	.....	.....	Work not yet commenced.
				Total.....	\$9,226 85	\$4,761 04	\$1,175 62	\$3,585 42	

### Old Contracts Suspended.

Fourth avenue, Fifty-eighth to Seventy-first street.....	Patrick 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.....	Frank E. Towle.....	Suspended.....	200 days....	16,208 90	3,840 00	1,152 00	2,688 00
				Total....	\$64,394 72	\$46,072 65	\$13,821 76	\$32,250 89







*Register's office (Hall of Records).*

Repairing all the broken plastering in the two rooms on south end of first floor and the two rooms on southwest corner of second floor.  
 Relaying all the loose marble tiling throughout the building.  
 Putting up a paneled glass partition at Deputy Register's desk, with large door, and making four foot-benches for the shelves on second floor.  
 Painting walls and ceilings of the two small rooms on south end of first floor, and of the two rooms on southwest corner of second floor, and also all the old and new woodwork in these rooms.  
 Placing the roof in complete repair.  
 Laying a floor inside of railing in the Deputy's office, and putting up a standing-desk, with drawers, on the inside of glass partition.  
 Laying about 150 feet of Georgia pine floor, fitting up and enclosing two water-closets, and casing and fitting up wash-basin and urinal.  
 Putting in entirely new plumbing for the above closets, wash-basin, and urinal.  
 Repairing book-racks and pigeon-holes on first floor.

*No. 27 Chambers street.*

Supplying 10 tons stove coal, 1 cord pine wood, 1 scrub brush, 1 corn broom, 12 lbs. hard soap, 18 boxes matches, 2 feather dusters, 1 tumbler, 1 cuspadore.

*Third District Court-house, Tenth street and Sixth avenue.*

Furnishing tapestry Brussels carpet for room on third floor, over library.  
 Repairing water-closet pipe and opening gas-pipe in Third District Civil Court.  
 Erecting storm-doors at door of Clerk's office, and putting weather-strips on eight windows.  
 Fastening mouldings around glass panels of water-closets and Judge's room of Second District Police Court.  
 Fitting lock on front door, new lock on library table, and dressing fire tools.  
 Repairing and connecting the tube from gutter on Sixth avenue side, repairing the tin roof next the market on same side, and the tin roof over the tower.  
 Painting tin roof on the tower.  
 Repairing and fastening the broken and loose slates on Court-House roof, replacing those missing, and putting the roof in complete order.  
 Repairing standard light on Judge's desk in the Police Court room.  
 Repairing the inside blinds, where necessary, throughout the building.  
 Supplying 50 tons egg coal, 40 lbs. hard soap, 1 half barrel soft soap, 3 mops, 1 mop handle, 6 scrub brushes, 4 water pails, 1 feather duster, 3 dust brushes, 12 corn brooms, 6 cakes sapolio, 3 chamois skins, 18 cakes toilet soap, 1 soap dish, 4 dozen boxes matches, 2 coal shovels, 1 snow shovel.

*Seventh District Court-house, Fifty-seventh street, near Third avenue.*

Re-hanging a two-light gas pendant.  
 Repairing Croton water-pipe of water-closet in female prison-pen.  
 Putting new lock on door in Police Court room.  
 Hanging sash in Clerk's office of Civil Court.  
 Clearing sewer from court-yard to engine-room.  
 Repairing brick-work of boiler.  
 Supplying 30 tons furnace coal, 30 pounds hard soap.

*Ninth District Court-house (One Hundred and Twenty-fifth street, near Third avenue).*

Putting weather-strips on windows of clerk's office.  
 Supplying 12 tons stove coal, 25 tons egg coal, 1 ton nut coal, 1 cord pine wood, 2 feather dusters, 2 whisk brooms.

*City Prison (corner Centre and Franklin streets).*

This bureau cares for that part occupied by the Court of Special Sessions and First District Police Court.

Repairing judges' water-closet adjoining Special Sessions Court-room.  
 Repairing water-closet on south side of above Court-room.  
 Supplying 22 tons grate coal, 2 tons nut coal, 2½ cords pine wood, 12 corn brooms, 6 mops, 1 mop handle, 6 scrub-brushes, 5 water pails, 40 pounds hard soap, 4 small coal-shovels, 12 cakes toilet soap, 18 hand towels, 1 small hatchet, 1 cross-cut saw.

*County Jail (Ludlow street).*

Putting new grate bars in furnace.  
 Repairing boiler, and furnishing new water-gauge.  
 Opening and clearing the brick drain running under the jail.  
 Putting in four enameled iron wash-basins on the west side of hall, and an enameled iron bath-tub in cell at the north end of hall, building a wooden wash-tub, about 2 x 3 feet, in same end of hall and making proper connections with bath-tub, wash-tub, and basins for a supply of clean water and for carrying off the waste water.  
 Putting in a 6-inch earthen sewer from the northwest corner of building to the main sewer in the street.

Supplying 65 tons coal, 6 painted tin pails with covers, 4 ash cans, marked with the name of jail, 37 galvanized iron slop-pails with covers, 6 blue window-shades with spring rollers, 2 barrels and 4 half barrels of soft soap, 45 barrels sawdust, 150 pounds hard soap, 24 corn brooms, 6 long-handle scrub-brushes, 6 mops.

*No. 49 Beekman street (occupied by Corporation Attorney and Public Administrator).*

Repairing floor at head of stairs.  
 Supplying 8 tons stove coal, 10 tons nut coal, ½ cord-pine wood, 4 coal scuttles.

*First District Police Court (City Prison).*

Repairing plastering in examination room, painting and kalsomining walls and ceilings, and graining wood-work. This work is still in progress.  
 Re-upholstering and refinishing one lounge.  
 Laying about 30 yards body Brussels carpet.  
 Supplying 1 3-gallon tin boiler, 1 waste-paper basket.

*Second District Police Court (Third District Court-house).*

Furnishing two boxes, lettered on outside, for filing papers.  
 Putting weather-strips on 4 windows.  
 Repairing 12 chairs.  
 Supplying 1 looking-glass with black walnut frame, 1 copy Laws State of New York, 1877.

*Third District Police Court (69 Essex street).*

Making well-hole and piecing out floor. Making oak table for judge's platform in examination room. Covering judge's desk with enameled cloth. Repairing door-locks and window-cords. Making six wooden boxes for papers, and a small platform for desk.

Hanging eight window-shades with spring rollers.  
 Repairing plastering throughout first and second floors, and the plumbing in clerk's office and judge's room.  
 Washing off and painting all the walls of first floor and small room on north side of second floor.  
 Kalsomining all the ceilings and painting all the new and old woodwork and the ironwork in same rooms.

Erecting an iron staircase from northwest corner of judge's room on first floor, to near wash-basin on second floor.

Altering iron railing at judge's desk in court-room.

Furnishing three new iron covers, with chains, hooks, etc., for coal-holes.

Furnishing and putting up two stoves, one in examination room and one in judge's room.

Furnishing 12 oak cane-seat chairs, 1 revolving chair, about 20 yards oil-cloth and four door-mats for officers' room.

Furnishing about 16 yards rubber matting for aisle in front of judge's desk in court-room, a carpet in judge's room on first floor, a carpet in judge's room on second floor, and a carpet for the space inside the railing and on the platform in court-room.

Furnishing 1 copy each of "Archbold's Criminal Practice and Pleadings, 8th Edition, 2 vols.," "Revised Statutes New York, 6th Edition," "Laws of New York, 1875, 1876 and 1877."

Supplying 8 tons furnace coal, 8 tons stove coal, 10 spittoons, 2 feather dusters, 2 feather dust-brushes, 1 cord pine wood, 6 corn brooms, 2 hair brooms, 1 hair dust-brush, 40 lbs. hard soap, 1 half-barrel soft soap, 6 scrub brushes, 3 water-pails, 3 window brushes, 12 towels.

*Fifth District Police Court, (Ninth District Court-house).*

Furnishing 1 copy Session Laws, 1877.

*Sixth District Police Court, (Tenth District Court-house).*

Furnishing 1 copy Archbold's Criminal Practice and Pleadings, 2 vols., 8th edition.

*First District Civil Court, (Engine House, City Hall Park.)*

Painting the woodwork of water-closets.  
 Furnishing new grate for stove in clerk's office.  
 Furnishing, making and laying about 70 yards body Brussels carpet in the clerk's office.  
 Supplying 4 tons stove coal, ½ cord pine wood.

*Second District Civil Court, (514 Pearl street.)*

Rehanging and putting lock on door on third floor.  
 Repairing doors and locks of court-room and clerk's office.  
 Furnishing a jury wheel.  
 Supplying 7 tons stove coal, 1½ cords pine wood, 3 scrub brushes, 1 feather duster, 30 lbs. soap.

*Third District Civil Court (Third District Court-house).*

Furnishing for clerk's room 1 new lounge, 1 portable gas-light with tube and shade, and 1 swinging sign for entrance.

Furnishing 1 copy each of Vol. 4, E. D. Smith's Reports, Hilton's Reports, 3 vols., C. R. Daly's Reports, 5 vols., Smith's Leading Cases, Taylor's Landlord and Tenant, Bouvier's Law Dictionary, Laws of N. Y. 1870, 1871, 1872, 1873, 1874, N. Y. Reports, vols. 28 to 66, inclusive, Hun's Supreme Court Reports, vols. 8 to 18, inclusive.

*Fourth District Civil Court (22 Second avenue).*

Furnishing new carpet for judge's private room and new carpet for clerk's office.  
 Supplying 5 tons egg coal, ½ cord pine wood.

*Fifth District Civil Court (154 Clinton street).*

Raising a partition in clerk's office from former height to the ceiling.  
 Furnishing 12 oak chairs.  
 Supplying 2 tons stove coal, 6 corn brooms, 2 dust brushes, 1 feather duster.

*Sixth District Civil Court (391 Fourth avenue).*

Repairing 9 chairs.  
 Furnishing 1 blackwalnut dwarf book-case.  
 Supplying 5 tons egg coal, ½ cord pine wood.

*Seventh District Civil Court (Seventh District Court-house).*

Furnishing new body Brussels carpet for clerk's private room, new matting in clerk's office and vestibule leading to same, and 1 door mat.  
 Repairing lock of safe.

*Eighth District Civil Court (200 West Twenty-second street).*

Furnishing 1 three-shelf blackwalnut revolving book-case, 1 zinc shield for stove, 1 copy each of Abbott's N. Y. Digest, 6 vols. new ed., Wait's Law and Practice, Parsons on contracts, 3 vols., Bliss' N. Y. Annot'd Code, Greenleaf on Evidence, 3 vols., Addison on Torts, 2 vols., Daly's Common Pleas Reports, 5 vols., Cowen's Treatise, Brightley's Digest, McCall's Civil and Criminal Justice, Laws of N. Y., 1865, 1866, 1867.

Supplying 3 tons egg coal, 3 tons stove coal ½ cord pine wood, 3 mops, 3 mop handles, 3 corn brooms, 3 whisk brooms, 40 lbs. soap, 1 scrub-brush, 2 feather dusters, 2 coal-scuttles, 6 cakes toilet soap, 2 dust-pans.

*Court of General Sessions (Brown-stone Building).*

Furnishing about 106 yards body Brussels carpet and laying same, 12 yards cocoa matting, ends bound with leather; 2 axminster rugs, 1 cocoa mat, 1 vol. Wharton's Criminal Law.

*Superior Court (New Court-house).*

Furnishing 1 copy each of N. Y. Court of Appeals Reports, vols. 63 to 66 inclusive; N. Y. Superior Court Reports, vol. 41; Hun's Superior Court Reports, vols. 15 to 18 inclusive; Abbott's Practice Reports (new cases), vols. 1 and 2; Howard's Practice Reports, vol. 52; N. Y. Supreme Court Reports (Otto's), vols. 3 and 4; Wait's Practice, vols. 2 and 3; N. Y. Session Laws, 1877; Supplement to Abbott's N. Y. Digest, sixth last edition; N. Y. Revised Statutes, vols. 1, 2, and 3; U. S. Digest, vols. 4, 5, 6, and 7; Edwards' N. Y. Revised Statutes, vols. 8 and 9; Supplement to Fisher's Common Law Digest, 7 vols., 1870 to 1876 inclusive; Kerr on Injunctions, Wood on Nuisances, Sedgwick on Damages, Tilden on Damages, High on Receivers.

*Court of Common Pleas (New Court-house).*

Furnishing 6 Bibles, 2 gavel, 1 copy each of N. Y. Reports, vols. 64, 65, and 66; Hun's Reports, vols. 9, 10, and 11; Abbott's New Cases, vols. 1 and 2; Hun's Rules, 6 copies; Superior Court Reports, vols. 39, 40, and 41; U. S. Supreme Court Reports, vols. 93 and 94; Session Laws N. Y., 1877; Wait's Actions and Defences, 2 vols.; Thomas on Mortgages, Burrill on Assignments, Field on Damages, Howard's Reports, vols. 52 and 53; N. Y. Reports, vol. 67; Barbour, vol. 62; Wood on Fire Insurance, Benjamin on Sales.

*Marine Court (27 Chambers street).*

Furnishing 1 8-day clock, 12 copies Hun's Rules of Courts of Record.

*Surrogate's Office (New Court-house).*

Furnishing wire gauze for window screen.  
 Putting up three new window shades.  
 Furnishing 1 copy each of N. Y. Court of Appeals Reports, vols. 64, 65, 66, and 67; Hun's Supreme Court Reports, vols. 9, 10, and 11.

*Mayor's Office (City Hall).*

Furnishing a new grate for stove in Permit Bureau.

*Board of Aldermen (City Hall).*

Furnishing about 40 yards cocoa matting, with leather binding.  
 Furnishing silver plates with names of new Aldermen.  
 Repairing 6 chairs.

*Finance Department (New Court-house).*

Furnishing 20 gallons astral oil, 13 gas chimneys, 3 patent window ventilators, 2 Danne's book cases.

*Department of Taxes and Assessments.*

Furnishing eight window shades, 1 revolving high chair.

*Department of Public Works.*

Chief Clerk's Office—Furnishing 1 black walnut wardrobe, body Brussels carpet and oil cloth for new room, a new shade, 2 cuspadores, 1 stove shield, 1 ball twine.

Bureau of Water Register—Furnishing 2 steel tape measures, 1 portable gas-light, with tubing etc.

Bureau of Chief Engineer—Furnishing 1 self-feeding stove.

Repairing gas pipes in engine house at High Bridge.

Bureau of Sewers—Putting on chimney jack and furnishing 1 wire gauze blower for stove.

Repairing a desk.

Corporation yard, Gansevoort street—Supplying 1 ton coal, 1 coal scuttle, 1 coal shovel, 1 corn broom.

Corporation yard, Rivington street—Supplying 3 tons stove coal, ½ cord pine wood.

Public Baths—Putting the baths in order for the coming bathing season by repairing the roofs, making general repairs throughout, putting in new water-closets, and taking out the tanks and caking them with oakum and pitch.

Furnishing 280 fathoms of manila bolt rope.

Supplying 1 ton coal, 1 load wood, and repairing stove.

*Department of Buildings (2 Fourth avenue).*

Supplying 8 tons egg coal.

*Board of Assessors (19 Chatham street).*

Furnishing 1 Abendroth's model parlor stove.

Making 1 black walnut case.

Furnishing 1 copy Gerard's Water Rights—Streets and Real Estate.

Supplying 2 tons stove coal, 3 dozen boxes matches, 6 towels, 12 cakes toilet soap, 1 paper tacks.

*County Clerk's Office (New Court-house).*

Furnishing 1 ten-gallon water cooler, 1 six-gallon water cooler.

Repairing revolving chair.

Supplying 2 whisk brooms, 2 gas chimneys.

*Corporation Attorney's Office (49 Beekman street).*

Repairing clock.

Furnishing a new self-feeding stove.

*City Record Office (City Hall).*

Furnishing 1 black walnut wash-stand with basin and waste-pipe, about 10 yards oil cloth, 1 rug, 1 door mat, 1 sheepskin mat for desk.



## EXHIBIT "B,"

*Showing the Amount of Expenditures for which Certified Vouchers have been drawn on account of the several Appropriations therein named, and also showing the Courts, Departments, etc., to which the same has been charged, from January 1, 1878, to March 31, 1878, inclusive.*

NAMES OF COURTS, DEPARTMENTS, ETC.	Supplies for and Clean- ing Public Offices.	Public Build- ings — Con- struction and Repairs.	Free Float- ing Baths.	Additional Free Float- ing Baths.	Appropriation for 3d Dis- trict Court- house, 1877.	Contingencies — Depart- ment Public Works.	TOTALS.
First District Police Court.....	\$166 45	.....	.....	.....	.....	.....	\$166 45
Second " " ".....	142 09	.....	.....	.....	.....	.....	142 09
Third " " ".....	472 46	\$793 83	.....	.....	.....	.....	1,176 29
Fourth " " ".....	21 09	.....	.....	.....	.....	.....	21 09
Fifth " " ".....	35 30	.....	.....	.....	.....	.....	35 30
Sixth " " ".....	16 05	.....	.....	.....	.....	.....	16 05
First District Civil Court.....	137 31	.....	.....	.....	.....	.....	137 31
Second " " ".....	82 89	23 38	.....	.....	.....	.....	106 27
Third " " ".....	248 52	.....	.....	.....	.....	.....	248 52
Fourth " " ".....	59 48	.....	.....	.....	.....	.....	59 48
Fifth " " ".....	20 55	50 00	.....	.....	.....	.....	70 55
Sixth " " ".....	76 54	.....	.....	.....	.....	.....	76 54
Seventh " " ".....	72 15	.....	.....	.....	.....	.....	72 15
Eighth " " ".....	218 41	.....	.....	.....	.....	.....	218 41
Ninth " " ".....	29 20	.....	.....	.....	.....	.....	29 20
Tenth " " ".....	3 94	.....	.....	.....	.....	.....	3 94
Court of General Sessions.....	202 21	.....	.....	.....	.....	.....	202 21
Court of Special Sessions.....	138 85	.....	.....	.....	.....	.....	138 85
Superior Court.....	243 90	.....	.....	.....	.....	.....	243 90
Marine Court.....	18 00	.....	.....	.....	.....	.....	18 00
Court of Common Pleas.....	107 75	.....	.....	.....	.....	.....	107 75
Washington Market.....	.....	935 02	.....	.....	.....	.....	935 02
Jefferson " " ".....	179 21	.....	.....	.....	.....	.....	179 21
Catharine " " ".....	84 51	.....	.....	.....	.....	.....	84 51
Clinton " " ".....	144 28	.....	.....	.....	.....	.....	144 28
Union " " ".....	4 23	.....	.....	.....	.....	.....	4 23
Fulton " " ".....	57 31	.....	.....	.....	.....	.....	57 31
Essex " " ".....	150 73	.....	.....	.....	.....	.....	150 73
Centre " " ".....	71 23	.....	.....	.....	.....	.....	71 23
Tompkins " " ".....	551 64	.....	.....	.....	.....	.....	551 64
Commissioner's Office.....	40 49	.....	.....	.....	.....	.....	40 49
Chief Clerk's Office.....	47 50	.....	.....	.....	.....	.....	47 50
Bureau of Repairs and Supplies.....	1,308 59	461 33	.....	.....	.....	.....	1,770 92
Bureau of Repairs and Supplies Pay-rolls.....	17,874 36	600 00	.....	.....	.....	.....	18,474 36
Bureau of Sewers.....	17 75	.....	.....	.....	.....	.....	17 75
Bureau of Chief Engineer.....	22 45	.....	.....	.....	.....	.....	22 45
Bureau of Water Purveyor.....	23 75	.....	.....	.....	.....	.....	23 75
Bureau of Water Register.....	30 40	.....	.....	.....	.....	.....	30 40
Department of Buildings.....	46 70	.....	.....	.....	.....	.....	46 70
Department of Finance.....	137 60	.....	.....	.....	.....	.....	137 60
Department of Taxes and Assessments.....	24 00	.....	.....	.....	.....	.....	24 00
Corporation Counsel.....	188 96	25 69	.....	.....	.....	.....	214 65
Corporation Attorney.....	165 44	.....	.....	.....	.....	.....	165 44
Public Administrator.....	52 30	.....	.....	.....	.....	.....	52 30
Commissioners of Accounts.....	23 64	.....	.....	.....	.....	.....	23 64
City Hall.....	1,091 89	1,004 45	.....	.....	.....	.....	2,096 34
City Record.....	48 93	.....	.....	.....	.....	.....	48 93
New Court-house.....	2,181 60	3,203 04	.....	.....	.....	.....	5,384 64
Free Floating Baths.....	.....	.....	\$217 50	.....	.....	.....	217 50
Additional Free Floating Baths.....	.....	.....	.....	\$434 56	.....	.....	434 56
District Attorney's Office.....	48 00	.....	.....	.....	.....	.....	48 00
County Clerk's Office.....	10 00	.....	.....	.....	.....	.....	10 00
Brown Stone Building.....	370 04	848 42	.....	.....	.....	.....	1,219 06
County Jail.....	384 85	320 19	.....	.....	.....	.....	705 04
Corporation Yard, Gansevoort street.....	4 00	.....	.....	.....	.....	.....	4 00
City Arsenal.....	.....	72 32	.....	.....	.....	.....	72 32
Corporation Yard, Rivington street.....	17 93	.....	.....	.....	.....	.....	17 93
Board of Aldermen.....	39 05	.....	.....	.....	.....	.....	39 05
Register's Office.....	25 35	740 48	.....	.....	.....	.....	765 83
Surrogate's Office.....	35 03	.....	.....	.....	.....	.....	35 03
Third District Court-house.....	310 70	175 06	.....	.....	\$6,555 79	.....	7,041 61
Seventh District Court-house.....	120 00	38 47	.....	.....	.....	.....	158 47
Ninth District Court-house.....	162 50	9 39	.....	.....	.....	.....	171 89
City Prison.....	6 37	.....	.....	.....	.....	.....	6 37
No. 49 Beekman street.....	65 50	42 88	.....	.....	.....	.....	108 38
Engine-house, City Hall Park.....	.....	381 05	.....	.....	.....	.....	381 05
Engineer's Office, 125th street.....	14 25	.....	.....	.....	.....	.....	14 25
No. 27 Chambers street.....	55 50	1 87	.....	.....	.....	.....	57 37
Board of Assessors.....	80 11	3 75	.....	.....	.....	.....	83 86
No. 9 Franklin street.....	.....	15 10	.....	.....	.....	.....	15 10
No. 51 Thompson street.....	.....	117 08	.....	.....	.....	.....	117 08
Armory, Co. K, Twelfth-seventh Regt.....	147 55	144 00	.....	.....	.....	.....	291 55
Armory, Battery B.....	24 70	.....	.....	.....	.....	.....	24 70
Grand Totals.....	\$27,800 10	\$11,172 91	\$217 50	\$434 56	\$6,555 79	\$62 50	\$46,243 36

EXHIBIT "C,"

*Showing the condition of the Appropriations of 1877 and 1878, upon which Vouchers have been drawn from January 1, 1878, to March 31, 1878, inclusive.*

Supplies for and Cleaning Public Offices, 1877—	
Balance December 31, 1877.....	\$3,008 65
Vouchers drawn.....	2,859 01
Balance March 31, 1878.....	\$149 64
Supplies for and Cleaning Public Offices, 1878—	
Amount appropriated.....	\$90,000 00
Vouchers drawn.....	24,941 09
Balance March 31, 1878.....	\$65,058 91
Public Buildings—Construction and Repairs, 1877—	
Balance December 31, 1877....	\$5,179 73
Vouchers drawn.....	5,097 21
Balance March 31, 1878.....	\$82 52
Public Buildings—Construction and Repairs, 1878—	
Amount appropriated.....	\$35,000 00
Vouchers drawn.....	6,075 70
Balance March 31, 1878.....	\$28,924 30
Free Floating Baths, 1878—	
Amount appropriated.....	\$8,600 00
Vouchers drawn.....	217 50
Balance March 31, 1878.....	\$8,382 50
Additional Free Floating Baths—	
Balance December 31, 1877.....	\$16,559 27
Vouchers drawn.....	434 56
Balance March 31, 1878.....	\$16,124 71
Appropriation for Third District Court-house, 1877—	
Balance December 31, 1877.....	\$9,784 76
Vouchers drawn.....	6,555 79
Balance March 31, 1878.....	\$3,228 97

EXHIBIT "A,"

*Showing the Number and Amount of Vouchers drawn on account of the Appropriations therein named, from January 1, 1878, to March 31, 1878, inclusive.*

TITLE OF APPROPRIATION.	NUMBER OF VOUCHERS.	AMOUNT.
Supplies for and Cleaning Public Offices, 1877.....	41	\$2,859 01
" " " " " " 1878.....	95	24,941 09
Public Buildings—Construction and Repairs, 1877.....	36	5,097 21
" " " " " " 1878.....	58	6,075 70
Free Floating Baths.....	3	217 50
Additional Free Floating Baths, 1878.....	6	434 56
Appropriation for Third District Court-house, 1877.....	7	5,555 79
Contingencies—Department of Public Works, 1877.....	1	62 50
Totals.....	247	\$46,243 36



Showing the available balances of the several appropriations therein named, on March 31, 1878.

Supplies for and Cleaning Public Offices, 1877—	
Balance from Exhibit "C".....	\$149 64
Liabilities.....	2 50
Available balance.....	\$147 14
Supplies for and Cleaning Public Offices, 1878—	
Balance from Exhibit "C".....	\$65,058 91
Liabilities.....	1,632 25
Available balance.....	\$63,426 66
Public Buildings—Construction and Repairs, 1877—	
Balance from Exhibit "C".....	\$82 52
Liabilities.....	None.
Available balance.....	\$82 52
Public Buildings—Construction and Repairs, 1878—	
Balance from Exhibit "C".....	\$28,924 30
Liabilities.....	3,078 78
Available balance.....	\$25,845 52
Free Floating Baths, 1877—	
Balance December 31, 1877.....	\$154 00
Liabilities.....	154 00
Available balance.....	None.
Free Floating Baths, 1878—	
Balance from Exhibit "C".....	\$8,382 50
Liabilities.....	580 00
Available balance.....	\$7,802 50
Additional Free Floating Baths—	
Balance from Exhibit "C".....	\$16,124 71
Liabilities.....	990 00
Available balance.....	\$15,134 71

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF STREET INCUMBRANCES, ROOM 13, CITY HALL,  
NEW YORK, April 16, 1878.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

I submit herewith the following report of the operations of this Bureau for the quarter ending March 31, 1878 (months of January, February, and March):

Complaints received against obstructions and incumbrances in streets and on sidewalks... 830  
Which in each case have been attended to by the service of a notice on the offending party for the removal of the same.

Removals for non-compliance of above notices to the Corporation yards, or other suitable place, of merchandise, trucks, wagons, stands, stones, and dirt..... 32

Expenses for such removals (including 596 loads of stones and dirt from different parts of the city, and clearing Barclay street, between College place and Greenwich street, of all the burned brick and debris, left there after the fire)..... \$556 38  
Total expenses for the quarter..... 1,094 88  
Received from owners for redemption of articles seized..... 69 75

Which has been paid to the City Chamberlain.

Builders' permits issued.....	976
Permits to cut down trees.....	6
Special permits.....	53
Notices to repair sidewalks.....	112

Very respectfully,  
JOSEPH BLUMENTHAL, Superintendent of Incumbrances.

NEW YORK, April 4, 1878.

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 March 31, 1878:

	Principal.	Penalties.	Taps.
January.....	\$54,951 81	\$1,731 35	\$382 00
February.....	27,703 71	930 60	198 50
March.....	41,855 11	969 35	468 00
Total.....	\$124,510 64	\$3,631 30	\$1,048 50

Total..... \$129,190.43

Also for rent of meters, and placed to "Special Meter Deposit Fund," for the quarter ending March 31, 1878:

January.....	\$257 00
February.....	27 50
March.....	
Total.....	\$284 50

Respectfully submitted,  
J. H. CHAMBERS, Water Register.

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF LAMPS AND GAS,  
NEW YORK, April 5, 1878.

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 March 31, 1878.

In Exhibit "A" will be found an abstract of all vouchers certified by me during the quarter. Exhibit "B" is a statement showing the amounts expended for gas to the various public markets, offices, etc., and for fitting up, repairing, and lighting the public lamps, etc. Exhibit "C" is a summary of the appropriation for "Lamps and Gas," showing an expenditure during the quarter of ninety-three thousand and thirty-one dollars and forty-four cents (\$93,031.44), with liabilities for lighting the public lamps, etc., for the month of March, amounting to forty-one thousand eight hundred and sixty-five dollars and ninety-five cents (\$41,865.95), which makes a total expenditure for this Bureau during the quarter of one hundred and thirty-four thousand eight hundred and ninety-seven dollars and thirty-nine cents (\$134,897.39). 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 twenty-seven new lamps lighted, forty old lamps relighted, and twenty-four lamps discontinued, making an increase of forty-three lamps during the three months. Exhibit "E" is a statement of 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 by the analysis made in the Laboratory of this Department by the Gas Examiner:

OF WHAT COMPANY.	SULPHURETED HYDROGEN.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)
New York Gas-light Co.....	None.....	47.79	0.47
Manhattan Gas-light Co.....	Traces on six occasions.....	24.13	5.61
New York Mutual Gas-light Co.....	Very decided since Jan. 17, 1878.....	9.73	1.04
Metropolitan Gas-light Co.....	None.....	11.74	5.58
Harlem Gas-light Co.....	Decided since Feb. 13, 1878.....	50.26	0.62

The tests for the above were made with the "Referee's" apparatus, the amount of gas burned for each test was ten cubic feet, the volume being corrected to standard barometric pressure of 30 inches of Mercury, and the temperature of 60 degrees Fahr.

The following is the specific gravity of the gases:

New York Gas-light Company, specific gravity.....	.462
Manhattan.....	.463
New York Mutual.....	.722
Metropolitan.....	.517
Harlem.....	.475

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

OF WHAT COMPANY.	Average Maximum Pressure.	Average Minimum Pressure.	WHERE TAKEN.	Distance from Gas Works.
New York Gas-light Co.....	Inches. 2 1-10	Inches. 1 5-10	Grand and Centre streets.....	Miles. 2 4-100
Manhattan Gas-light Co.....	2 4-10	1 2-10	" ".....	1 33-100
New York Mutual Gas-light Co.....	2 4-10	1 2-10	" ".....	1 79-100
Metropolitan Gas-light Co.....	1 8-10	7-10	Seventy-ninth street, between Second and Third avenues.....	3 33-100
Harlem Gas-light Co.....	3 1-10	1 1-10	Seventy-ninth street, between Second and Third avenues.....	1 75-100

In accordance with the resolution of the Gas Commission, adopted on December 14, 1877, that application be made to the Legislature for an amendment to the Charter, whereby contracts for lighting the public lamps may be made for a term other than the fiscal year, the following draft of a bill has been approved by the Common Council, and a copy thereof transmitted to the President of the Senate and Speaker of the Assembly with a request that early and favorable action be had thereon:

AN ACT relating to contracts for lighting the public lamps in the City of New York.

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

Section 1. The board authorized to make and enter into contracts for lighting the streets, avenues, and places of the City of New York with gas, consisting of the Mayor, Comptroller, and Commissioner of Public Works, is hereby authorized and empowered to contract for such lighting the public lamps with gas or other illuminating material in said city by one or more contracts, to be let at public lettings, as provided by law, for a period of one year, or any part of a year, and commencing and terminating at any dates, the said board may determine.

Sec. 2. All acts or parts of acts inconsistent with the provisions of this act are hereby repealed.

Sec. 3. This act shall take effect immediately.

This bill has not yet passed the Legislature, but it is to be hoped that the same may become a law at an early date, in order that the contracts which are to commence on May 1, next, may be made for the full period of one year.

Respectfully submitted,  
S. McCORMICK, Superintendent Lamps and Gas.

#### EXHIBIT "A."

Abstract of Vouchers certified by the Superintendent of Lamps and Gas on account of the Appropriation for Lamps and Gas, for the Quarter ending March 31, 1878.

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	FOR WHAT PURPOSE.	AMOUNT.
1878.				
Jan. 10	551	Bartlett Lamp Manufacturing Co..	100 Boulevard globes.....	\$200 00
" 19	552	J. L. Mott Iron Works.....	25 lamp-posts and 25 columns.....	350 00
" 23	553	Edgar Close.....	150 street lamps.....	435 00
" 31	554	Pay-roll.....	Lighters of Public Markets, etc., month of January.....	92 00
" 31	555	Pay-roll.....	Inspectors, month of January.....	594 00
" 24	557	Bartlett Lamp Manufacturing Co..	100 Boulevard lamp-tops.....	200 00
" 31	558	J. L. Mott Iron Works.....	100 Boulevard lamp-irons.....	100 00
" 31	559	New York Gas-light Co.....	Lighting public lamps, month of January.....	4,715 50
" 31	560	Manhattan Gas-light Co.....	Lighting public lamps, month of January.....	9,975 50
" 31	561	Metropolitan Gas-light Co.....	Lighting public lamps, month of January.....	6,686 14
" 31	562	Harlem Gas-light Co.....	Lighting public lamps, month of January.....	8,762 11
" 31	563	N. Y. Mutual Gas-light Co.....	Lighting public lamps, month of January.....	1,172 00
" 31	564	Central Gas-light Co.....	Lighting public lamps, month of January.....	5,655 00
Feb. 1	565	Suburban Gas-light Co.....	Lighting public lamps, month of January.....	222 11
" 1	566	Suburban Gas-light Co.....	Lighting public lamps, month of January.....	3,883 33
" 1	567	Yonkers Gas-light Co.....	Lighting public lamps, month of January.....	145 21
Jan. 31	568	New York Gas-light Co.....	Lighting public lamps, month of January.....	210 00
" 31	569	Manhattan Gas-light Co.....	Gas to public markets, etc., month of January.....	1,366 10
" 31	570	Metropolitan Gas-light Co.....	Gas to public markets, etc., month of January.....	735 30
" 31	571	N. Y. Mutual Gas-light Co.....	Gas to public offices, etc., month of January.....	44 37
" 31	572	Harlem Gas-light Co.....	Gas to Photometer Rooms, month of January.....	4 75
" 8	573	Wm. W. Goodwin & Co.....	Gas to public offices, etc., month of January.....	123 18
" 28	574	J. L. Mott Iron Works.....	Standard sperm candles.....	48 00
Feb. 5	575	Bartlett Lamp Manufacturing Co..	100 lamp-irons.....	100 00
" 5	576	E. P. Gleason Manufacturing Co..	4 green globe lamps.....	27 76
" 7	577	J. L. Mott Iron Works.....	150 street lamps.....	435 00
" 8	578	E. P. Gleason Manufacturing Co..	100 crossheads.....	140 00
" 12	579	E. P. Gleason Manufacturing Co..	1 sample street lamp.....	3 50
" 28	580	Pay-roll.....	50 street lamps.....	145 00
" 28	581	Pay-roll.....	Inspectors, month of February.....	492 00
" 28	582	New York Gas-light Co.....	Lighters of Public Markets, etc., month of February.....	101 00
" 28	583	Manhattan Gas-light Co.....	Lighting public lamps, month of February.....	4,681 07
" 28	584	Metropolitan Gas-light Co.....	Lighting public lamps, month of February.....	9,911 50
" 28	585	N. Y. Mutual Gas-light Co.....	Lighting public lamps, month of February.....	6,594 87
" 28	586	Harlem Gas-light Co.....	Lighting public lamps, month of February.....	1,175 50
" 28	587	Central Gas-light Co.....	Lighting public lamps, month of February.....	8,167 42
" 28	588	Central Gas-light Co.....	Lighting public lamps, month of February.....	5,655 00
" 28	589	Suburban Gas-light Co.....	Lighting public lamps, month of February.....	182 11
Mar. 1	590	Suburban Gas-light Co.....	Lighting public lamps, month of February.....	3,882 24
" 1	591	Yonkers Gas-light Co.....	Lighting public lamps, month of February.....	153 21
Feb. 28	592	New York Gas-light Co.....	Lighting public lamps, month of February.....	216 00
" 28	593	Manhattan Gas-light Co.....	Gas to public markets, etc., month of February.....	1,045 38
" 28	594	Metropolitan Gas-light Co.....	Gas to public markets, etc., month of February.....	548 15
" 28	595	N. Y. Mutual Gas-light Co.....	Gas to public offices, etc., month of February.....	35 50
" 28	596	Harlem Gas-light Co.....	Gas to Photometer Room, month of February.....	3 50
" 19	597	E. F. Holbrook & Bros.....	Gas to public offices, etc., month of February.....	87 99
Mar. 4	598	Bartlett Lamp Manufacturing Co..	20 boxes glass.....	74 00
" 8	599	Keuffel & Esser.....	100 lamp globes.....	162 50
" 12	600	J. L. Mott Iron Works.....	1 roll tracing paper.....	6 40
" 16	601	Edgar Close.....	40 lamp-posts.....	340 00
" 16	602	Bartlett Lamp Manufacturing Co..	50 street lamps.....	145 00
" 18	603	Eimer & Amend.....	50 Boulevard lamps.....	275 00
" 19	604	J. L. Mott Iron Works.....	Chemicals.....	5 15
" 27	605	New York Gas-light Co.....	50 lamp-irons.....	50 00
" 27	606	Manhattan Gas-light Co.....	Gas to public markets, etc., month of March.....	922 83
" 27	607	N. Y. Mutual Gas-light Co.....	Gas to public markets, etc., month of March.....	474 24
" 27	608	Metropolitan Gas-light Co.....	Gas to Photometer Room, month of March.....	3 25
" 28	609	Harlem Gas-light Co.....	Gas to public offices, etc., month of March.....	32 18
" 30	610	S. McCormick.....	Gas to public offices, etc., month of March.....	78 09
" 30	611	Pay-roll.....	Hire of horse and wagon and traveling expenses, January 1 to March 31.....	62 50
" 30	612	Pay-roll.....	Inspectors, month of March.....	504 00
" 28	613	Wm. W. Goodwin & Co.....	Lighters of Public Markets, etc., month of March.....	99 00
			5 lamp pressure registers.....	175 00
Total.....				\$93,031 44



## EXHIBIT "B."

Statement showing the Amounts on Vouchers drawn for Gas to the various Public Markets, Offices, etc., and for Fitting-up, Repairing, and Lighting the Public Lamps, etc., for the Quarter ending March 31, 1878.

Washington Market.....	\$538 27	
Catharine Country Market.....	56 43	
Catharine Meat.....	29 45	
Fulton Meat.....	179 36	
Fulton Country.....	385 32	
Essex Market.....	115 33	
Centre.....	257 07	
Clinton.....	250 99	
Union.....	56 05	
Tompkins Market.....	231 04	
Jefferson.....	125 78	
	<b>\$2,225 09</b>	
First District Police Court.....	221 54	
Second.....	74 10	
Third.....	94 05	
Fourth.....	105 97	
Fifth.....	30 80	
Court of Special Sessions.....	2 09	
Second District Civil Court.....	16 34	
Fourth.....	6 46	
Fifth.....	5 32	
Sixth.....	4 75	
Eighth.....	6 46	
Ninth.....	55	
Marine Court.....	8 74	
	<b>577 17</b>	
Court-room, Brown Stone Building.....	35 91	
New Court-house.....	916 37	
City Hall.....	597 36	
Receiver of Taxes' Office.....	285 76	
Corporation Attorney's Office.....	45 98	
Pipe Yard, Rivington street.....	4 18	
Department of Buildings.....	7 03	
County Jail.....	507 49	
South Gate-house.....	10 17	
Engineer of Boulevards' Office.....	2 47	
Engine-house, High Bridge.....	234 56	
Photometrical Rooms, Grand and Centre street.....	38 48	
Photometrical Rooms, 231 East Seventy-ninth street.....	16 79	
	<b>2,702 55</b>	
Lighting Public Markets (Pay-rolls).....	285 00	
Inspectors of Lamps (Pay-rolls).....	1,500 00	
New lamp-posts.....	350 00	
New street lamps.....	1,018 50	
New Boulevard lamps.....	865 26	
New crossheads.....	140 00	
New lamp-irons.....	250 00	
Fitting up new lamp-posts.....	262 00	
Street-lamp pressure registers.....	175 00	
Chemicals for photometrical tests.....	5 15	
Candles for photometrical tests.....	48 00	
Cleaner, Photometrical Room (Pay-roll).....	10 00	
Tracing paper.....	6 40	
Resetting and repairing lamp-posts.....	522 50	
Superintendent of Lamps and Gas, hire of horse and wagon and traveling expenses.....	62 50	
	<b>5,500 31</b>	
New street-lamps, Twenty-third and Twenty-fourth Wards.....	145 00	
New lamp-posts, Twenty-third and Twenty-fourth Wards.....	340 00	
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	48 00	
Glass, Twenty-third and Twenty-fourth Wards.....	74 00	
	<b>607 00</b>	
Lighting public lamps.....	61,257 11	
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	20,162 21	
	<b>81,419 32</b>	
Total.....	<b>\$93,031 44</b>	

## EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas for 1878," showing the Balance against which no Vouchers have been drawn, with the Amount of Liabilities against the Appropriation, for the Quarter ending March 31, 1878.

Amount appropriated for "Lamps and Gas," for 1878.....	\$600,000 00
Amount of vouchers drawn during the month of January.....	\$1,884 00
Amount of vouchers drawn during the month of February.....	45,198 86
Amount of vouchers drawn during the month of March.....	45,948 58
	<b>93,031 44</b>
Balance against which no vouchers have been drawn.....	<b>\$506,968 56</b>

## Liabilities.

New York Gas-light Co., lighting public lamps month of March.....	\$4,670 50
Manhattan Gas-light Co., ".....	9,931 00
Metropolitan Gas-light Co., ".....	6,608 88
N. Y. Mutual Gas-light Co., ".....	1,175 50
Harlem Gas-light Co., ".....	8,443 42
Central Gas-light Co., ".....	5,837 11
Suburban Gas-light Co., ".....	4,028 54
Yonkers Gas-light Co., ".....	216 00
Matthew Dripps, map of Manhattan Gas District.....	200 00
Hotchkiss, Field & Co., 100 iron washers.....	3 00
do 100 lamp-irons.....	98 00
W. W. Goodwin & Co., zincs and tubing.....	4 00
E. P. Gleason, 150 street lamps.....	457 50
J. L. Mott Iron Works, 20 lamp brackets.....	30 00
Odd Fellows' Hall Association, rent of Photometrical Rooms.....	87 50
Oscar T. Marshall, rent of Photometrical Rooms, Seventy-ninth street.....	75 00
	<b>41,865 95</b>
Balance available March 31.....	<b>\$465,102 61</b>

## EXHIBIT "D."

Summary of the "Lamp Account," showing the number of New Lamps Lighted, Old Lamps Relighted, and number Discontinued by each Gas Company, during the Quarter ending March 31, 1878.

NEW YORK GAS-LIGHT COMPANY.	
Number of lamps burning December 31, 1877.....	3,085
Number of new lamps lighted during the quarter ending March 31, 1878.....	5
Number of old lamps relighted during the quarter ending March 31, 1878.....	2
	<b>3,092</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	10
Number of lamps burning March 31, 1878.....	<b>3,082</b>

## MANHATTAN GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1877.....	6,599
Number of new lamps lighted during the quarter ending March 31, 1878.....	2
Number of old lamps relighted during the quarter ending March 31, 1878.....	2
	<b>6,603</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	3
Number of lamps burning March 31, 1878.....	<b>6,600</b>

## METROPOLITAN GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1877.....	3,804
Number of new lamps lighted during the quarter ending March 31, 1878.....	9
Number of old lamps relighted during the quarter ending March 31, 1878.....	9
	<b>3,822</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	6
Number of lamps burning March 31, 1878.....	<b>3,816</b>

## NEW YORK MUTUAL GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1877.....	586
Number of new lamps lighted during the quarter ending March 31, 1878.....	0
Number of old lamps relighted during the quarter ending March 31, 1878.....	0
	<b>586</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	0
Number of lamps burning March 31, 1878.....	<b>586</b>

## HARLEM GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1877.....	2,098
Number of lamps transferred from account of New York and New Jersey Globe Gas-light Company during the quarter ending March 31, 1878.....	2,110
Number of new lamps lighted during the quarter ending March 31, 1878.....	11
Number of old lamps relighted during the quarter ending March 31, 1878.....	23
	<b>4,242</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	5
Number of lamps burning March 31, 1878.....	<b>4,237</b>

## CENTRAL GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1877.....	1,590
Number of new lamps lighted during the quarter ending March 31, 1878.....	0
Number of old lamps relighted during the quarter ending March 31, 1878.....	4
	<b>1,594</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	0
Number of lamps burning March 31, 1878.....	<b>1,594</b>

## SUBURBAN GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1877.....	973
Number of new lamps lighted during the quarter ending March 31, 1878.....	0
Number of old lamps relighted during the quarter ending March 31, 1878.....	0
	<b>973</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	0
Number of lamps burning March 31, 1878.....	<b>973</b>

## YONKERS GAS-LIGHT COMPANY.

Number of lamps burning December 31, 1877.....	72
Number of new lamps lighted during the quarter ending March 31, 1878.....	0
Number of old lamps relighted during the quarter ending March 31, 1877.....	0
	<b>72</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	0
Number of lamps burning March 31, 1878.....	<b>72</b>
Total number of lamps burning March 31, 1878.....	<b>20,960</b>

## RECAPITULATION.

Number of lamps burning December 31, 1877.....	20,917
Number of new lamps lighted during the quarter ending March 31, 1878.....	27
Number of old lamps relighted during the quarter ending March 31, 1878.....	40
	<b>67</b>
Less lamps discontinued during the quarter ending March 31, 1878.....	24
Total number of lamps burning March 31, 1878.....	<b>20,960</b>

## EXHIBIT "E."

Statement giving the Illuminating Power of the Gas supplied by the several Gas-light Companies, during the Quarter ending March 31, 1878, 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.		
During the Week Ending—	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
Jan. 5...	15.96	18.10	16.51	16.51	16.92	16.63	17.16	19.89	18.98	16.45	17.19	16.91	16.15	16.66	16.39
" 12...	15.29	16.71	16.07	16.00	16.91	16.33	17.80	20.25	18.84	17.02	17.35	17.19	16.23	16.55	16.41
" 19...	15.93	17.24	16.42	15.64	17.03	16.42	19.12	20.14	19.49	16.91	17.31	17.13	16.20	16.86	16.54
" 26...	15.06	17.01	15.98	16.09	17.29	17.00	17.78	20.54	19.05	16.09	17.49	16.93	15.76	16.58	16.24
Feb. 2...	15.28	17.68	16.81	16.08	17.84	16.83	18.09	19.98	19.19	15.59	17.23	16.70	15.02	16.33	15.69
" 9...	16.36	17.65	16.60	16.34	17.51	16.99	17.91	20.98	18.96	16.52	17.88	17.08	15.05	16.11	15.42
" 16...	14.48	16.99	16.04	15.38	17.28	16.09	18.09	19.37	18.68	16.32	17.15	16.71	15.77	17.52	16.69
" 23...	16.19	17.20	16.53	16.16	17.10	16.77	19.18	20.45	19.80	16.21	16.87	16.62	16.14	17.42	16.83
March 2...	16.12	18.16	16.80	16.10	17.46	16.65	18.02	19.67	18.94	16.25	17.14	16.66	17.08	17.73	17.42
" 9...	15.96	17.45	16.72	15.44	17.87	17.28	19.03	22.25	20.64	16.67	17.52	17.00	16.52	17.52	17.19
" 16...	16.54	18.87	17.59	17.18	19.03	18.13	21.30	22.08	21.76	16.01	16.60	16.24	15.83	16.48	16.20
" 23...	16.17	17.71	16.87	17.01	18.17	17.65	20.04	22.04	20.71	16.42	17.69	17.14	15.70	18.42	16.77
" 30...	15.76	17.41	16.81	16.44	17.80	17.23	19.67	20.93	20.13	16.14	17.21	16.72	17.52	18.52	17.96
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.		



## Contracts made during the Three Months ending March 31, 1878.

DATE.	NATURE AND LOCATION OF CONTRACT.	CONTRACTOR.	SURETIES.	ESTIMATED COST.
1878.				
Jan. 25	Sewer in Sixty-ninth street, between First and Second avenues.....	Thomas J. Reilly, 1091 First avenue....	Thomas O'Reilly, 1091 First avenue.... James Brady, 319 E. 56th street....	\$4,246 00
" 23	Regulating, grading, etc., One Hundred and Ninth street, from Third to Fifth avenue.....	James J. Jones, 243 E. 84th street....	Patrick Sheehy, 251 E. 83d street.... Chas. Jones, 203 E. 82d street....	\$3,025 00
Feb. 26	Setting curb and gutter stones, and flagging Fourth avenue, from Seventy-first to Seventy-ninth street....	J. D. Moore, 220 E. 105th street....	Alexander Lutz, 529 E. 118th street.... Jeremiah H. Moore, 248 E. 74th street.... Charles Devlin, 311 E. 57th street....	2,726 85
Mar. 25	Regulating, grading, etc., Tenth avenue, from One Hundred and Tenth to Manhattan street.....	John B. Devlin, 246 E. 61st street....	E. C. Sheehy, 1483 Third avenue....	3,269 35
				\$9,021 00
Contracts awarded under Chapter 476, Laws of 1875.				
" 25	Paving Washington square roadway, between Fifth and South Fifth avenues, and Mercer street, between Canal and Bleeker streets, with granite block pavement.....	John G. Smith, 329 W. 48th street....	Noah A. Childs, 152 E. 63d street.... L. W. Johnson, 414 W. 34th street....	\$23,310 50
" 25	Paving Irving place, between Fourteenth and Twentieth streets; and Fifteenth street, between Broadway and Fifth avenue; and Fifteenth street, between Third and Fourth avenues, with granite block pavement.....	John G. Smith, 329 W. 48th street....	Noah A. Childs, 152 E. 63d street.... L. W. Johnson, 414 W. 34th street....	22,336 90
" 25	Paving Barrow street, between Washington place and West street, and White street, between Broadway and Centre street, with trap-block pavement.....	C. P. Devlin, 207 E. 82d street....	Charles Jones, 203 E. 82d street.... Charles Devlin, 311 E. 57th street....	12,387 60
" 25	Paving Twenty-third street, between Third avenue and East river, and Forty-second street, between Third and Fourth avenues, with trap-block pavement.....	C. P. Devlin, 207 E. 82d street....	Charles Jones, 203 E. 82d street.... Charles Devlin, 311 E. 57th street....	20,299 80
				\$78,334 80
Croton Water-pipe Contracts.				
" 15	Laying Croton-mains in Tenth avenue, between Gansevoort and Forty-second streets.....	James Baird, 410 E. 58th street....	William Baird, 310 E. 57th street.... Matthew Baird, 306 E. 57th street....	\$7,140 00
" 15	Laying Croton-mains in Eleventh avenue, between Fourteenth and Fiftieth streets.....	James Baird, 410 E. 58th street....	William Baird, 310 E. 57th street.... Matthew Baird, 306 E. 57th street....	7,698 00
" 19	Completing the laying of Croton-mains in Seventh avenue, between Fifty-seventh street and Greenwich avenue.....	John D. Crimmins, 1037 Third avenue....	Thomas Crimmins, 252 E. 60th street.... James R. Breen, 16 E. 66th street....	18,839 00
" 20	Laying Croton-mains in Pelham avenue and in Berrian avenue.....	James Everard, 307 & 309 E. 40th st..	Isaac Mehrbach, 141 E. 26th street.... Bernard Maloney, 1376 Lexington ave..	2,230 00
" 23	Completing the laying of Croton-mains in First avenue, between Thirty-seventh and Forty-eighth streets.....	John Mulholland, 73d st., bet. 1st & 2d avs	O. T. Marshall, 145 E. 78th street.... John Hogan, 53 Prospect place....	7,272 00
				\$43,179 00
Miscellaneous Contracts.				
" 20	Building entrance and stop-cock vaults, house over same, and all the necessary appurtenances for connecting 20-inch water-mains with the Croton Aqueduct.....	James Everard, 307 & 309 E. 40th st..	Isaac Mehrbach, 141 E. 26th street.... T. J. McCahill, 361 Lexington avenue	\$1,595 00
" 25	Furnishing the Department of Public Works with cast-iron water-pipes, branch-pipes, and special castings.....	Benjamin G. Clarke, 52 Wall street.....	Moses Taylor, 122 Fifth avenue.... Samuel Sloan, 21 W. 17th street....	88,690 00
				\$90,285 00

## RECAPITULATION.

1 Sewer Contract.....	\$4,246 00
3 Regulating, etc., Contracts.....	9,021 20
4 Contracts awarded under chapter 476, Laws of 1875.....	78,334 80
5 Croton Pipe Contracts.....	43,179 00
2 Miscellaneous Contracts.....	90,285 00
15 Contracts.....	\$225,066 00

## Contracts Completed during the Three Months ending March 31, 1878.

DATE.	NATURE AND LOCATION OF WORK.	COST.
1878.		
Jan. 4	Receiving-basin..... On the southwest corner of One Hundred and Twenty-seventh street and Fourth avenue.....	\$144 10
" 4	Regulating, grading, etc., Tenth avenue, from Eighty-first to Eighty-second street.....	1,631 49
" 16	Paving..... One Hundred and Third street, from Lexington to Fourth avenue, and Lexington avenue, from One Hundred and Third to One Hundred and Fourth street, with trap-block pavement....	3,346 23
" 16	Receiving-basin..... On the southwest corner of Grand and Ridge streets.....	202 20
" 16	Paving..... One Hundred and Twenty-first street, from First avenue to Avenue A, with trap-block pavement.....	2,688 44
" 17	Sewer..... In Washington street, between Fulton and Vesey streets.....	543 86
" 19	Regulating, grading, etc., Eleventh avenue, from Fifty-ninth to Seventy-second street....	42,152 24
" 29	Sewer..... In Fortieth street, between Tenth avenue and Hudson river, with alterations and improvements to existing sewer.....	25,358 70
" 31	Furnishing and laying crosswalks..... At the northerly and southerly intersections of Lexington avenue and One Hundred and Seventeenth street.....	165 45
Feb. 4	Receiving-basins..... On the west side of Third avenue, opposite One Hundred and Eighth and One Hundred and Ninth streets.....	266 00
" 7	Sewer..... In Fifth avenue, west of Mt. Morris square, between One Hundred and Twenty-second and One Hundred and Twenty-third streets, from end of present sewer in One Hundred and Twenty-third street.....	705 00
" 15	Regulating, grading, etc., and paving, with macadam pavement..... Eastern Boulevard, One Hundred and Twenty-fourth street, from Avenue A to Sixth avenue.....	30,030 49
" 8	Regulating, grading, etc., One Hundred and Forty-sixth street, from Tenth avenue to the Boulevard.....	9,215 06
Mar. 13	Receiving-basins..... Northwest corner of Fifty-ninth street and Madison avenue....	158 00
" 13	Regulating, grading, etc., and superstructure..... On One Hundred and Twenty-second street, from Tenth avenue to Riverside Drive.....	90,059 35
		\$206,666 61

## RECAPITULATION.

4 Receiving-basins.....	\$770 30
3 Regulating and Grading Contracts.....	52,998 79
3 Sewer Contracts.....	26,607 56
2 Paving Contracts.....	6,034 67
2 Regulating and Superstructure Works.....	120,089 84
1 Crosswalk Contract.....	165 45
15 Contracts.....	\$206,666 61

## DEPARTMENT OF DOCKS.

At a meeting of the Board of Docks, held May 22, 1878.

Present—The full Board.

The minutes of the meeting held 8th, 9th, and 15th May, 1878, read and approved.

An application was received from James McClenahan, lessee of pier at Fortieth street, North river, to have dredging done to a depth of 10 feet at mean low water, for a place of 100 feet on each side of said pier; and being read,

On motion, it was

Resolved, That James McClenahan, lessee of pier foot of Fortieth street, North river, be and he is hereby informed that this Department will dredge adjacent to said pier, to the extent of 50 feet on either side thereof, in order to obtain a depth of 10 feet at mean low water, as stipulated for in the terms of sale when the lease of said premises was purchased; but that this Department is not obligated, under said terms of sale, to dredge to the extent of 100 feet on either side of said pier as petitioned for by the lessee.

A communication was received from Decker & Rapp relative to the unsafe condition of the bulkhead adjacent to the northerly side of the pier at Bethune street, North river; and, being read,

On motion, it was

Resolved, That the owner or owners of the bulkhead between Bethune and West Twelfth street, North river, be and are hereby notified to make the necessary repairs thereto, without delay, complaint having been made to this Department that a portion of the bulkhead adjoining the pier foot of Bethune street is caved in and unfit for travel.

An application was received from Tilley, Schuyler & Company, for permission to place a platform and scales on the bulkhead adjacent to the northerly side of pier at Fifteenth street, North river; and, being read,

On motion, it was

Resolved, That permission be and is hereby granted to Tilley, Schuyler & Company to place and maintain, during the pleasure of this Board, on the bulkhead north of Fifteenth street, North river, a platform and scales for the landing of ice, the consent in writing of the owners of said bulkhead to the erection thereof having been filed in this Department; the work to be done under the supervision and direction of the Engineer-in-Chief of this Department.

An application was received from the New York Floating Dry Dock Company for permission to replace a few worn-out piles on westerly side of Pier 49, East river; and, being read,

On motion, it was

Resolved, That permission be and is hereby granted to George Briggs, President New York Floating Dry Dock Company, to drive about seven piles on the westerly side of Pier 49, East river, in place of those that have been worn away or decayed.

An application was received from Richard Heather for permission to place a derrick on the bulkhead between Leroy and Morton streets, North river, to facilitate discharge of coal boats; and, being read,

On motion, it was

Resolved, That permission be and is hereby granted to Richard Heather to erect and maintain, during the pleasure of this Board, on the bulkhead between Piers, new 41 and 42, North river, a hoisting derrick for the purpose of unloading coal, it being expressly understood that said derrick shall be open to the use of all desirous of unloading cargo at said bulkhead, free of charge; the said derrick to be erected under the supervision and direction of the Engineer-in-Chief of this Department.

A report was received from the Police Department relative to Pier 59, East river, being in a dangerous condition; and, being read,

On motion, the Secretary was directed to notify William D. Andrews and Brother to repair the northerly half of said pier, without delay, and to request Robert MacLay, President of the Knickerbocker Ice Company, occupants of the southerly half of said pier; to call upon the Commissioners.

An application was received from Decker & Rapp, requesting to have dredging done in slip northerly of the dump at Twelfth street, North river; and, being read,

On motion, the Engineer-in-Chief was directed to cause not exceeding 750 cubic yards of mud to be removed from the southerly slip of the pier at Jane street, North river, in addition to 250 cubic yards ordered by the Board at a meeting held 3d instant, but not to exceed 1,000 cubic yards of dredging in all.

A communication was received from the New Jersey Steamboat Company, advising that title to Pier, old 41, North river, was acquired, and the said pier built in 1864 and 1865; and, being read,

On motion, the Secretary was directed to request the said company to inform the Board of the particulars of said title, and also by what authority the land under water covered by said structure is claimed as the property of the company.

A report was received from the Engineer-in-Chief, relative to repairs and dredging required at Pier at Seventy-ninth street, East river; and, being read,

On motion, the application of Frank E. Wise, lessee of said pier, to have such work done, was

Taken from the table and placed on file; and the Engineer-in-Chief directed to make the necessary repairs to said pier in conformity with the said reports; and to make requisition for necessary dredge, scows, and labor required to excavate and remove about 1,500 cubic yards of mud from the slips adjacent to said premises.

The following communications were received, read, and,

On motion, laid on the table, to await action, where taken, as stated, to wit:

From Lowther & Brother, relative to depth of water at bulkhead at Thirtieth street, East river. Engineer-in-Chief directed to examine premises and report as to necessity for dredging.

From Edward Hincken, relative to depth of water at Pier 28, East river. Engineer-in-Chief directed to examine premises and report quantity of dredging required to obtain depth of twenty feet at mean low water.

From Thomas Dunham's Nephew & Company, relative to depth of water at Pier 27, East river. Engineer-in-Chief directed to examine premises and report quantity of dredging required to obtain depth of twenty feet at mean low water.

The following communications were received, read, and,

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

From Health Department, relative to erection of hospital on pier at Sixteenth or Twenty-eighth street, East river.

From Old Dominion Steamship Company, relative to condition of Pier, old 37, North river.

From New York Central & Hudson River Railroad Company, accepting terms and conditions for erection of shed on pier at Fifty-ninth street, North river, under resolution of 24th April, 1878.

From Henry F. and Hoyt E. Hunt—Application to locate the "Washington" Bath at pier at Thirty-fourth street, North river. Secretary directed to notify applicants that said pier is under lease to Scott & Company, consequently the Department cannot provide the berth applied for.

From John Butler, Superintendent, reporting that the fence in vicinity of foot of Fifty-third street, East river, does not come upon the wharf property thereat.

From Henderson Brothers, accepting terms and condition for lease of Pier, new 46, North river, under resolution adopted 15th inst.

From Engineer-in-Chief—Report of work performed during week ending May 18, 1878.

From Treasurer—Report of receipts and disbursements for week ending May 21, 1878.

The Auditing Committee presented an audit of seventeen bills or claims amounting in the aggregate to the sum of \$13,026.19; and being read, was,

On motion, accepted and adopted; and the Secretary directed to forward the said bills, together with proper requisitions for the amount, to the Finance Department, for payment.

A report was received from the Engineer-in-Chief relative to the proposed improvements by the Nassau Ferry Company to the ferry premises at Houston street, East river; and

On motion, the Secretary was directed to request the officers of the said company to attend the next meeting of the Board.

On motion, it was

Resolved, That the Counsel to the Corporation be and is hereby requested to submit to the Court, as soon as practicable, an application for the appointment of Commissioners to condemn for the use of the City of New York, the premises known as Pier, old 44, North river, so that when the city shall have acquired title thereto this department can proceed with it work in that locality, of improving the water front of the city under the new plans adopted.

On motion, the following preamble and resolution was adopted, to wit:

Whereas, By virtue of the power vested in the Finance Department by section 31 of chapter 335, Laws of 1873, the Comptroller has decided to remit the penalty imposed by this Department against John M. C. Scully, for non-delivery of material within the time agreed upon, under his contract for furnishing small cobble, rip-rap, and broken stone, and deducted in the sum of \$450 from Audited Claim No. 4,945, on April 24, 1878; therefore

Resolved, That a requisition be and is hereby directed to be drawn upon the Comptroller for the sum of \$450, being the amount now due James O'Neil, assignee of moneys due said John M. C. Scully, under said audited claim, consequent upon the said penalty being remitted; and that the



Bookkeeper charge the said sum to the said contract, so that the accounts of the Department shall exhibit Estimate No. 2 under the said contract as settled and paid in full, in the sum of \$3,800.69.

The Board here went into executive session.

A report was received from the Engineer-in-Chief, relative to the proposed work of filling in Coenties slip, East river, to the exterior line of South street; and, being read, was,

On motion, laid on the table; and the following resolution adopted, to wit:

Resolved, That the Counsel to the Corporation be and is hereby respectfully requested to examine, without delay, as to the title to the land at Coenties slip, East river, and adjacent thereto, including the land under water thereat; and advise this Board, in writing, whether, in event of the extending of South street across said slip, and the filling in and reclaiming of the land under water northerly of the exterior line of said street so extended, such reclaimed premises would become and be vested in the Corporation of the City of New York.

A communication was received from the Engineer-in-Chief, advising that the approach to the ferry premises at northerly side of Pier, old 48, North river, is completed, and that the said premises are now ready for use and occupation; and, being read,

On motion, it was

Resolved, That the Central Railroad Company of New Jersey be and are hereby informed and notified that the ferry premises at the northerly side of Pier, old 48, North river, leased by the said company, are now rebuilt and completed in conformity with the plan adopted for the permanent improvement of the water-front, and are ready for occupation; and that, as contemplated by the resolution adopted by this Board on April 26, 1876, the rent of \$7,500 per annum, to be paid by said company for the said improved premises, is to commence and be payable, quarterly, in advance, from and after this date, and that the lease thereof will be submitted for execution as soon as prepared by the Counsel to the Corporation.

A communication was received from John G. Dale, agent for the Liverpool, New York, and Philadelphia Steamship Company, lessee of Pier, old 45, North river, relative to his claim for reduction of rent under the lease for the pier, consequent upon the company having been deprived of the full enjoyment and use of the premises since the commencement of the work of improving that section of the water-front by the Department; and, being read, was,

On motion, laid on the table, and the Secretary directed to request the said agent to call upon the Commissioners to confer on the subject of said claim.

An application was received from John Hogan, contractor for furnishing granite stones for river wall, for permission to cut the granite in the Department yard, at Seventeenth street, East river; and, being read,

On motion, it was

Resolved, That permission be and is hereby granted to John Hogan, contractor for furnishing granite, to land at the Department yard at East Seventeenth street, some rough stone, and to cut the same thereat, provided he shall do so under the supervision and direction of the Engineer-in-Chief of this Department; this permission to remain in force only during the pleasure of the Board.

On motion, it was

Resolved, That the officers of the Board be, and they are hereby, empowered and directed to execute an agreement to the Gold and Stock Telegraph Company, to pay rent at the rate of \$15 per month for one year, from May 18, 1878, for the use of one combination and one hand telephone, at this office and at the Department office at foot of Christopher street, North river.

A communication was received from John J. Ackerman, in relation to the occupation of a portion of the pier at Twenty-third street, East river; and, being read, was

On motion, laid on the table.

On motion, it was

Resolved, That, under the powers vested in this Board by subdivision 6, of section 6, chapter 574, Laws of 1871, Pier, new 46, North river, be and is hereby appropriated to the sole use of the special kind of commerce carried on in steamships between Europe and Mediterranean ports and this port, and that the Counsel to the Corporation be and is hereby directed to prepare, in proper form, a lease, in triplicate, for said pier, including the use of the shed and all appurtenances thereon, in the name of Henderson Brothers, agents for the "Anchor Line" of Steam Packet Ships, for a term of three years from May 1, 1878, containing the usual covenants and agreements, and stipulating for an annual rent of \$20,000, payable quarterly in advance, except that an allowance of \$815.21 shall be deducted from the rent first accruing; being amount of pro rata rent from 1st instant to 16th instant, the date on which possession of the pier was taken by said agents; and that the officers of this Board be and are hereby authorized and empowered to execute the said lease, when approved as to form by the said Counsel to the Corporation.

The Engineer-in-Chief presented to the Board several photographic views of the bulkhead wall during its different stages of construction, taken by Charles W. Raymond, in the employ of the Department as leveller, when off duty; and,

On motion, the Secretary was directed to extend to Mr. Raymond the thanks of the Commissioners for the views submitted.

On motion, the following appointments were made, to wit:

William Campbell, as a dock-builder; Michael Kunzeman and John Henery as watchmen, and David Lane and John Henry Monahan as laborers.

On motion, the Board adjourned.

EUGENE T. LYNCH, Secretary.

## APPROVED PAPERS.

Resolved, That permission be and the same is hereby given to S. H. Everett to place and keep an ornamental lamp-post and lamp in front of No. 93 Barclay street, provided the post shall not exceed the dimensions prescribed by ordinance, and that the work be done and gas supplied at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, May 14, 1878.

Approved by the Mayor, May 23, 1878.

Resolved, That permission be and the same is hereby given to George W. Sauer to remove lamp-post and lamp now erected in front of No. 241 Broadway to the corner of Chambers street and Chatham street, the work to be done at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, May 14, 1878.

Approved by the Mayor, May 24, 1878.

Whereas, The Bowery, Pearl street, and many other of the principal thoroughfares in this city, are now and for some time past have been incumbered with unused telegraph poles laid lengthwise in the gutters, on both sides of the street, which are not only an impediment to the free uses of the carriage-way, but interfere seriously with the cleaning of the streets and gutters by the Street Cleaning Bureau; be it therefore

Resolved, That the attention of the Commissioner of Public Works be and is hereby called to the incumbrances alluded to, and that he be and is hereby instructed to take such measures as may be necessary to relieve the traffic in these streets from the annoyance caused by these unauthorized incumbrances.

Adopted by the Board of Aldermen, May 21, 1878.

Approved by the Mayor, May 24, 1878.

Resolved, That the Commissioner of Public Works be and is hereby requested and directed to report to this Board, at its next meeting, whether the building now in course of erection on the northeast corner of Fourth avenue and Eighteenth street constitutes an obstruction or incumbrance upon the sidewalk, and, if so, by what authority, if any, such obstruction or incumbrance has been permitted, and if any obstruction or incumbrance has been placed upon the sidewalk in the erection of said building at the northeast corner of Fourth avenue and Eighteenth street, without any lawful authority, why the same has not been promptly removed by the Commissioner of Public Works.

Adopted by the Board of Aldermen, May 28, 1878.

Approved by the Mayor, May 29, 1878.

Resolved, That the Commissioner of Public Works be and he is respectfully requested to have the carriage-way of the following-named streets repaired and put in good order immediately, viz.: Division street from Catharine to Grand street, Henry street from Oliver to Grand street, Madison street from Market to Grand street, Monroe street from Catharine to Grand street, Cherry street from Pearl street to East river, Front street from Whitehall to Roosevelt street, and from Montgomery to Corlears street, Pike street from Division to South street, Rutgers street from Division to South street, Montgomery street from Division to South street, Gouverneur street from Grand street to East river, Corlears street from Grand street to East river, Roosevelt street from Chatham to South street, James street from Chatham to Cherry street, Oliver street from Chatham to South street, Dover street from Pearl to South street, Peck slip from Pearl to South street, Walker street from West Broadway to Canal street, Mott street from Chatham to Bleecker street, Mulberry street from Leonard to Houston street, City Hall Place from Chambers to Pearl street, Hester street from Centre to Division street, Broome street from Broadway to the Bowery, also Second, Third, Fourth, Fifth, Sixth, and Seventh streets, from Bowery to East river.

Adopted by the Board of Aldermen, May 28, 1878.

Approved by the Mayor, May 31, 1878.

## COMMON COUNCIL.

Names, Residences, and Places of Business of the Members of the Board of Aldermen, 1878.

NAMES.	RESIDENCE.	PLACE OF BUSINESS.
William Bennett...	18 Clarkson st...	271 Bowery.
Bernard Biglin...	231 E. 30th st...	
Thomas Carroll...	156 E. 54th st...	156 E. 54th st.
Ferd. Ehrhart...	139 E. Houston st...	137 E. Houston st.
Robert C. Foster...	214 E. 19th st...	Contractor.
William H. Gedney...	67 Horatio st...	143 W. 40th st.
John W. Gunter...	83 Second st...	83 Second st.
George Hall...	54 Eldridge st...	51 Bowery.
John W. Jacobus...	16 Morton st...	Cartman.
Patrick Keenan...	253 E. 7th st...	216 Avenue B.
Terence Kiernan...	317 E. 83d st...	305 Fifth st.
Samuel A. Lewis...	314 W. 14th st...	
John J. Morris...	117 W. 21st st...	59 University pl.
Henry C. Perley...	716 Lexington av.	7 Murray st.
Lewis J. Phillips...	24 E. 74th st...	6 Pine st.
Joseph C. Pinckney...	27 Stuyvesant st.	27 Stuyvesant st.
Bryan Reilly...	73 Monroe st...	73 Monroe st.
William R. Roberts...	Metropol'n Hotel	
William Sauer...	346 Fourth av...	55 E. 20th st.
Thomas Sheils...	55 Pike st...	71 E. Broadway.
James J. Stevin...	131 Mott st...	25 Spring st.
Louis C. Wachner...	534 Fifth st...	13 Chambers st.

WILLIAM R. ROBERTS, President.

FRANCIS J. TWOMEY, 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.

SMITH ELY, JR., Mayor; GEORGE B. VANDERPOEL, Secretary.

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.

### LEGISLATIVE DEPARTMENT.

Office of Clerk of Common Council.

No. 8 City Hall, 10 A. M. to 4 P. M.

WILLIAM R. ROBERTS, 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; HUBERT O. THOMPSON, Deputy Commissioner.

Bureau of Water Register.

No. 10 City Hall, 9 A. M. to 4 P. M.

JOHN H. CHAMBERS, Register; WILLIAM R. FARRELL, Deputy Register.

Bureau of Incumbrances.

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

JOSEPH BLUMENTHAL, Superintendent.

Bureau of Lamps and Gas.

No. 13 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.

JAMES J. MOONEY, 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.

JOHN C. CAMPBELL, Chief Engineer.

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.

### 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. STORRS, Deputy Comptroller.

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 CADY, 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.

Bureau for the Collection of Taxes.

First floor, Brown-stone building, City Hall Park.

MARTIN T. MCMAHON, Receiver of Taxes; ALFRED VREDEBURG, Deputy Receiver of Taxes.

Bureau of the City Chamberlain.

No. 18 New County Court-house, 9 A. M. to 4 P. M.

J. NELSON TAPPAN, City Chamberlain.

### 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 Cortland and Church streets.

JOHN A. FOLEY, Attorney.

### POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.

WILLIAM F. SMITH, 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.  
THOMAS S. BRENNAN, 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; EMMONS CLARK, Secretary.

### DEPARTMENT OF PUBLIC PARKS.

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

JAMES F. WENMAN, President; WILLIAM IRWIN, Secretary.

Civil and Topographical Office.

Arsenal, 64th street and 5th avenue, 9 A. M. to 5 P. M.  
JAMES R. CROES, Engineer.

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.

JACOB A. WESTERVELT, President; 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, 9 A. M. to 4 P. M.

WALTER W. ADAMS, 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.

### SEALERS OF WEIGHTS AND MEASURES.

No. 236 West Forty-third street.

ELIJAH W. ROE.

### 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.

### COMMISSION 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.

LINDSAY I. HOWE, JOHN H. MOONEY.

### COMMISSIONER OF JURORS.

No. 17 New County Court-house, 9 A. M. to 4 P. M.

THOMAS DUNLAP, Commissioner; ALFRED J. KEEGAN, Deputy Commissioner.

### COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.

HENRY A. GUMBLETON, County Clerk; J. FAIRFAX McLAUGHLIN, Deputy County Clerk.

### DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone building, City Hall Park,

9 A. M. to 4 P. M.

BENJAMIN K. PHELPS, District Attorney; MOSES P. CLARK, Chief Clerk.

### THE CITY RECORD OFFICE.

And Bureau of Printing, Stationery, and Blank Books.

No. 2 City Hall, 8 A. M. to 6 P. M.; Saturdays, 8 A. M. to 5 P. M.



## MARINE COURT.

General Term, Trial Term Part I, Room 15, City Hall.  
Trial Term Part II, Trial Term Part III, third floor, 27 Chambers street.  
Special Term, Chambers, second floor, 27 Chambers street, 10 A. M. to 3 P. M.  
Clerk's Office, basement, Brown-stone building City Hall Park, 9 A. M. to 4 P. M.  
HENRY ALKER, Chief Justice; JOHN SAVAGE, Chief Clerk.

## COURT OF GENERAL SESSIONS.

Brown-stone building, City Hall Park, 10 A. M. to 4 P. M.  
Clerk's Office, Brown-stone building, City Hall Park, second floor, Room 14, 10 A. M. to 4 P. M.  
JOHN K. HACKETT, Recorder; JOSIAH SUTHERLAND, City Judge; HENRY A. GILDERSLEEVE, Judge-Sessions; JOHN SPARKS, Clerk.

## OVER AND TERMINER COURT.

General Term, New County Court-house, second floor southeast corner, Room 13, 10:30 A. M.  
Clerk's Office, Brown-stone building, City Hall Park, second floor, northwest corner.

## COURT OF SPECIAL SESSIONS.

At Tombs, corner Franklin and Centre streets, Tuesdays, Thursdays, and Saturdays, 10 A. M.  
Clerk's Office, Tombs.

## DISTRICT CIVIL COURTS.

First District—First, Second, Third, and Fifth Wards, southwest corner of Centre and Chambers streets, 10 A. M. to 4 P. M.  
JOHN CALLAHAN, Justice.

Second District—Fourth, Sixth, and Fourteenth Wards, Nos. 112 and 114 White street, 9 A. M. to 4 P. M.  
CHARLES M. CLANCY, Justice.

Third District—Eighth, Ninth, and Fifteenth Wards, Sixth avenue, corner West Tenth street.  
GEORGE W. PARKER, Justice.

Fourth District—Tenth and Seventeenth Wards, No. 16 East Houston street, 9 A. M. to 4 P. M.  
JOHN A. DINKEL, Justice.

Fifth District—Seventh, Eleventh, and Thirteenth Wards, No. 154 Clinton street.  
TIMOTHY CAMPBELL, Justice.

Sixth District—Eighteenth and Twenty-first Wards, Nos. 389 and 391 Fourth avenue.  
WILLIAM H. KELLY, Justice.

Seventh District—Nineteenth and Twenty-second Wards, Fifty-seventh street, between Third and Lexington avenues.  
WALTER S. PINCKNEY, Justice.

Eighth District—Sixteenth and Twentieth Wards, southwest corner of Twenty-second street and Seventh avenue.  
FREDERICK G. GEDNEY, Justice.

## LEGISLATIVE DEPARTMENT.

THE COMMITTEE ON PUBLIC WORKS OF the Board of Aldermen will meet in Room No. 9 City Hall, every Monday at 1 o'clock P. M.

THOMAS SHEILS,  
THOMAS CARROLL,  
GEORGE HALL,  
JOSEPH C. PINCKNEY,  
BERNARD BIGLIN,  
Committee on Public Works

## DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, May 31, 1878.

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 Hart's Island Hospital—Thomas Heath; aged 60 years. Had on when admitted, black pants and coat, colored shirt, black hat. Nothing known of his friends or relatives.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, May 29, 1878.

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 Homoeopathic Hospital, Ward's Island—Margaret Roach; aged 57 years; 5 feet 2 inches high; blue eyes; black hair. Had on when admitted black dress, red shawl. Nothing known of her friends or relatives.  
At New York City Asylum for Insane, Ward's Island—Frederick Dobler; aged 48 years; 5 feet 4½ inches high; gray hair; blue eyes. Nothing known of his friends or relatives.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, June 1, 1878.

## PROPOSALS FOR DRY GOODS, GROCERIES, ETC.

PROPOSALS, SEALED AND INDORSED AS above, will be received by the Commissioners of Public Charities and Correction, at their office, until 9 o'clock A. M., of Friday, June 14, 1878, at which time they will be publicly opened and read by the head of said Department, for furnishing and delivering at the foot of East Twenty-sixth street, free of all expense to the Department—

## DRY GOODS.

1 case White Flannel.  
100 pieces Mosquito Netting.  
100 dozen No. 40 Spool Cotton.  
20 gross Redding Combs.  
100 packages No. 3 Pins.  
250 Flannel Blouses.

## GROCERIES, ETC.

60,000 pounds Brown Sugar.  
5,000 pounds Granulated Sugar.  
5,000 pounds new sweet Butter; to be delivered in quantities as required.  
1,500 gallons pure Cider Vinegar.  
300 sacks Salt, equal to Worthington's.  
300 quintals Codfish.  
600 bushels Peas.  
500 bushels Beans.  
300 bushels Rye.  
500 bales long bright Rye Straw; to be delivered in quantities as required.  
200 barrels Turnips.  
100 pounds coarse Twine.  
100 pounds sail Twine.  
100 pounds Persian Powder.  
10 gross Handled Mugs.

The quality of the goods furnished must conform in every respect to the samples of the above to be seen at this office.

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

No proposal will be considered unless accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that, if the contract be awarded under that proposal, they will, on its being so awarded, become bound as sureties in the estimated amount of fifty per cent. for its faithful performance, which consent must be verified by the justification of each of the persons signing the same for double the amount of surety required. The sufficiency of such security to be approved by the Comptroller.

The Department of Public Charities and Correction reserve the right to decline any and all proposals if deemed to be for the public interest, and to accept an offer for the whole bid or for any single article included in the proposal, and no proposal will be accepted from, or a contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is defaulter, as security or otherwise, upon any obligation to the Corporation.

Blank forms of proposals and specifications, which are to be strictly complied with, can be obtained on application at the office of the Department, and all information furnished.

THOMAS S. BRENNAN,  
ISAAC H. BAILEY,  
TOWNSEND COX,  
Commissioners.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, May 28, 1878.

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

At Morgue, Bellevue Hospital, from foot of Thirteenth street, East river—Unknown man; aged about 30 years; 5 feet 6 inches high; light brown hair; small red moustache. Was dressed in black cloth frock coat, black pants and vest, white stamped shirt, white knit undershirt, long blue woolen ribbed stockings, gaiters.

At Homoeopathic Hospital, Ward's Island—Patrick Quinn; aged 53 years; 5 feet 4 inches high; gray hair; blue eyes. Had on when admitted gray coat, pants, and vest, blue socks, black felt hat. Nothing known of his friends or relatives.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

## 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. Regulating, grading, setting curb and gutter stones, and flagging in Tenth avenue, from Eighty-second to Ninety-third street.

No. 2. Regulating, grading, setting curb and gutter stones and flagging Ninety-ninth street, from Eighth to Eleventh avenue.

No. 3. Regulating, grading, setting curb and gutter stones and flagging One Hundred and Fifty-second street, from the Boulevard to the Hudson river.

No. 4. Regulating, grading, setting curb and gutter stones and flagging Eighty-fifth street, from Avenue A to Avenue B.

No. 5. Regulating, grading, setting curb and gutter stones, and flagging Tenth avenue, between Eighty-first and Eighty-second streets.

No. 6. Paving One Hundred and Third street, from Lexington to Fourth avenue, and Lexington avenue, from One Hundred and Third to One Hundred and Fourth street, with Belgian pavement.

No. 7. Laying crosswalks at the northerly and southerly intersections of Lexington avenue and One Hundred and Seventeenth street.

No. 8. Sewer and its appurtenances in One Hundred and Forty-third street, from a point 75 feet west of Third avenue to said avenue, and in Third avenue, from One Hundred and Forty-third to One Hundred and Forty-sixth street, in the Twenty-third Ward.

No. 9. Receiving-basin on the northeast corner of Fifty-ninth street and Madison avenue.

No. 10. Receiving-basin on the northwest corner of Seventy-fourth street and Avenue A.

No. 11. Sewer in Fifty-first street, between First and Second avenues.

No. 12. Receiving-basin on the northwest corner of Fourth street and Sixth avenue.

No. 13. Flagging sidewalks on the north side of Fifty-eighth street, between Lexington and Fourth avenues.

No. 14. Fencing vacant lots on the northeast corner of Madison avenue and Fifty-sixth street.

No. 15. Fencing vacant lots on the northeast corner of Eighty-third street and Second avenue.

No. 16. Fencing vacant lots on south side of Fifty-seventh street, between Second and Third avenues.

No. 17. Laying crosswalks at each of the intersections of Lexington avenue and One Hundred and Twenty-ninth and One Hundred and Thirtieth streets.

No. 18. Setting curb and gutter stones and flagging Sixty-third street, from the First avenue to the East river.

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 Tenth avenue, between Eighty-second and Ninety-third streets, and to the extent of half the block at the intersecting streets.

No. 2. Both sides of Ninety-ninth street, from Eighth to Eleventh avenue, and to the extent of half the block at the intersection of Tenth avenue.

No. 3. Both sides of One Hundred and Fifty-second street, from the Boulevard to the Hudson river.

No. 4. Both sides of Eighty-fifth street, from Avenue A to Avenue B.

No. 5. Both sides of Tenth avenue, between Eighty-first and Eighty-second streets, and to the extent of half the block at the northerly intersection of Eighty-first street and the southerly intersection of Eighty-second street.

No. 6. Both sides of Lexington avenue, between One Hundred and Third and One Hundred and Fourth streets, and both sides of One Hundred and Third street, between Lexington and Fourth avenues, and to the extent of half the block at the intersections of One Hundred and Third and One Hundred and Fourth streets and Lexington avenue, and the intersection of One Hundred and Third street and Fourth avenue.

No. 7. To the extent of half the block on each side of the intersection of One Hundred and Seventeenth street and Lexington avenue.

No. 8. Both sides of Third avenue, from One Hundred and Forty-third to One Hundred and Forty-sixth street.

No. 9. East side of Madison avenue, between Fifty-ninth and Sixtieth streets.

No. 10. Block bounded by Seventy-fourth and Seventy-fifth streets, and Avenue A and First avenue.

No. 11. Both sides of Fifty-first street, between First and Second avenues.

No. 12. North side of Fourth street, between Sixth avenue and Barrow street.

No. 13. North side of Fifty-eighth street, between Lexington and Fourth avenues.

No. 14. North side of Fifty-sixth street, extending easterly 75 feet from the northeast corner of Madison avenue, and on the east side of Madison avenue, extending 100 feet 5 inches north of Fifty-sixth street.

No. 15. North side of Eighty-third street, between First and Second avenues.

No. 16. South side of Fifty-seventh street, between Second and Third avenues.

No. 17. To the extent of half the block on either side of the intersections of One Hundred and Twenty-ninth and One Hundred and Thirtieth streets and Lexington avenue.

No. 18. Both sides of Sixty-third street, from First avenue to the East river.

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 lists will be transmitted as provided by law to the Board of Revision and Correction of Assessments for confirmation, on the 20th day of June ensuing.

THOMAS B. ASTEN,  
JOHN MULLALLY,  
EDWARD NORTH,  
JOHN R. MUMFORD,  
Board of Assessors.

OFFICE BOARD OF ASSESSORS,  
No. 114 WHITE STREET (CORNER CENTRE),  
NEW YORK, May 20, 1878.

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.:

1. Regulating, grading, setting curb, flagging, and paving with Telford-macadamized pavement, in Avenue A, from northerly line of Fifty-seventh street to southerly line of Eighty-sixth street (Eastern Boulevard).

2. Regulating, grading, curbing, flagging, and superstructure of Seventy-second street, from the westerly line of Avenue A to the easterly line of Fifth avenue (Eastern Boulevard).

3. Regulating, grading, setting curb and gutter stones, and flagging, and superstructure in One Hundred and Sixteenth street, from Avenue A to Sixth avenue (Eastern Boulevard).

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

1. Both sides of Avenue A, from Fifty-seventh to Eighty-sixth street, and to the extent of half the block at the intersecting streets.

2. Both sides of Seventy-second street, from Avenue A to Fifth avenue, and to the extent of half the block at the intersecting avenues.

3. Both sides of One Hundred and Sixteenth street, from Avenue A to Sixth avenue, and to the extent of half the block at the intersecting 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 lists will be transmitted as provided by law to the Board of Revision and Correction of Assessments for confirmation, on the 10th day of June ensuing.

THOMAS B. ASTEN,  
JOHN MULLALLY,  
EDWARD NORTH,  
JOHN R. MUMFORD,  
Board of Assessors.

OFFICE BOARD OF ASSESSORS,  
No. 114 WHITE STREET (CORNER CENTRE),  
NEW YORK, May 9, 1878.

NOTICE IS HEREBY GIVEN THAT THE following Assessment Lists have been received by the Board of Assessors from the Commissioner of Public Works:

No. 1.—Regulating, grading, setting curb and gutter stones and flagging Seventy-ninth street, from Third avenue to the East river..... \$45,240 25

No. 2.—Setting curb and gutter stones and flagging four feet wide in Fourth avenue, from Seventy-first to Seventy-ninth street..... 2,580 23

No. 3.—Sewers in the Boulevard, between Seventy-seventh and Ninety-second streets..... 222,720 83

WM. H. JASPER,  
Secretary.

OFFICE BOARD OF ASSESSORS,  
No. 114 WHITE STREET,  
NEW YORK, May 28, 1878.

PERSONS HAVING CLAIMS FOR DAMAGES caused by the closing of the Bloomingdale Road are hereby notified that the Board of Assessors having duly considered the same and personally inspected the property have finally determined upon the amount of the award to be allowed in each particular case. The list is now complete and will be open for inspection for thirty days from the date of this notice.

THOMAS B. ASTEN,  
JOHN MULLALLY,  
EDWARD NORTH,  
JOHN R. MUMFORD,  
Board of Assessors.

OFFICE BOARD OF ASSESSORS,  
No. 114 WHITE STREET,  
NEW YORK, May 9, 1878.

## BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED BY the Boards of Trustees of Common Schools of the several Wards, at the Hall of the Board of Education, corner Grand and Elm streets, for repairing and painting school buildings, and for furnishing new and repairing present furniture, to be done and furnished during the months of July and August, 1878, as follows:

By the Trustees of the Sixth Ward, until 9½ o'clock A. M., on Thursday, June 13, 1878:

For painting Grammar School Buildings Nos. 23 and 24.  
JOHN VAN GLAHN,  
Chairman Board of School Trustees.

Sixth Ward.  
Dated New York, May 29, 1878.

By the Trustees of the Seventh Ward, until 10½ o'clock A. M., on Thursday, June 13, 1878:

For repairing and painting Grammar School Buildings Nos. 2, 12, and 31.  
Also for furniture for Nos. 2 and 12.

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

Dated New York, May 29, 1878.

By the Trustees of the Tenth Ward, until 3½ o'clock P. M., on Thursday, June 13, 1878:

For repairing and painting Grammar School Buildings Nos. 20 and 42.  
Also for furniture for the same schools.

HENRY R. ROOME,  
Chairman Board of Trustees, Tenth Ward.  
PETER DENNERLIN,  
Secretary.

Dated New York, May 29, 1878.

By the trustees of the Fifteenth Ward until 4½ o'clock P. M., on Thursday, June 13, 1878:

For repairs and alterations at Grammar School Building No. 35.  
JOSEPH BRITTON,  
Chairman Board of Trustees Fifteenth Ward.  
HENRY M. TABER, Secretary.  
Dated New York, May 29, 1878.

By the Trustees of the Seventeenth Ward until 9½ o'clock A. M., on Friday, June 14, 1878:

For repairing and painting Primary School Buildings Nos. 22 and 26.

Also for furniture for said schools.

ROBERT A. BARRY, M. D.,  
Chairman Board of Trustees Seventeenth Ward.  
FREDERIC C. WAGNER, Secretary.  
Dated New York, May 29, 1878.

By the Trustees of the Eighteenth Ward, until 10½ o'clock A. M., on Friday, June 14, 1878:

For repairing and painting Grammar School building No. 40.  
Also for furniture for said school, and for Primary School No. 28.

JOHN F. TROW,  
Chairman Board of Trustees,  
Eighteenth Ward.

FRANCIS H. WEEKS,  
Secretary.  
Dated New York, May 29, 1878.

By the Trustees of the Nineteenth Ward until 3½ o'clock P. M., on Friday, June 14, 1878:

For repairing and painting Grammar School buildings Nos. 18 and 53.  
Also, for furniture for said schools.

MEYER THALMESSINGER,  
Chairman Board of Trustees, Nineteenth Ward.  
FERDINAND T. HOPKINS,  
Secretary.

Dated New York, May 29, 1878.

By the Trustees of the Twenty-second Ward, until 4½ o'clock P. M., on Friday, June 14, 1878:

For desks for Grammar School No. 17.  
JOEL W. MASON,  
Chairman Board of Trustees,  
Twenty-second Ward.

WALTER CARTER,  
Secretary.  
Dated New York, May 29, 1878.

Plans and specifications may be seen and blanks for proposals obtained at the office of the Superintendent of School Buildings, No. 146 Grand street, third floor.

Proposals will not be considered unless the following provisions are strictly complied with.

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

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

The Trustees reserve the right to reject any or all of the proposals submitted.  
Dated New York, May 29, 1878.

## THE CITY RECORD.

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

## JURORS.

## NOTICE

IN RELATION TO JURORS FOR STATE COURTS

OFFICE OF THE COMMISSIONER OF JURORS,  
NEW COUNTY COURT-HOUSE,  
NEW YORK, June 1, 1877.

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,  
300 MULBERRY STREET, NEW YORK,  
May 30, 1878.

PUBLIC NOTICE IS HEREBY GIVEN THAT the following described property of the Police Department will be sold at public auction, at the stables of Van Tassel & Kearney, 110 East Thirteenth street, on Tuesday, June 11, 1878, at 10 o'clock A. M., viz.:

one business wagon, ten cavalry saddles, part of a set of heavy wagon harness, lot of old harness, one top wagon, one sleigh.

By order of the Board.  
S. C. HAWLEY,  
Chief Clerk.

## FINANCE DEPARTMENT.

DEPARTMENT OF FINANCE,  
BUREAU FOR THE COLLECTION OF ASSESSMENTS,  
No. 16 NEW COURT-HOUSE, CITY HALL PARK,  
NEW YORK, May 11, 1878.

## NOTICE TO PROPERTY-HOLDERS.

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

CONFIRMED MAY 6, AND ENTERED MAY 7, 1878.  
91st street, regulating, grading, etc., from 4th to 5th avenue.

Lawrence street, paving, from 9th avenue to Boulevard. All payments made on the above assessments on or before July 10, 1878, will be exempt (according to law) from interest. After that date interest will be charged at the rate of seven (7) per cent. from the date of entry.

The Collector's office is open daily from 9 A. M. to 2 P. M., for the collection of money, and until 4 P. M., for general information.

EDWARD GILON,  
Collector of Assessments.



## WILLIAM KENNELLY, AUCTIONEER.

PREMISES AT THE NORTHEAST CORNER OF THIRD AVENUE AND EIGHTY-FIFTH STREET, TO BE LEASED AT AUCTION ON FRIDAY, JUNE 14, 1878.

THE LEASE OF PREMISES ON THE NORTHEAST CORNER OF EIGHTY-FIFTH STREET AND THIRD AVENUE, for the term of four years, ten months and sixteen days, from June 15, 1878, will be sold at public auction at the New County Court-house, on Friday, June 14, 1878, at 10½ o'clock A. M.

## TERMS OF SALE.

Twenty per cent. on the yearly rent bid to be paid to the Collector of City Revenue at the time and place of sale; and the successful bidder will be required, at the same time, to have an obligation executed by two sureties, to be approved by the Comptroller, for carrying into effect the terms of sale.

Twenty per cent., when paid, will be credited on the first quarter's rent; or forfeited, if the lessee does not execute the lease and bond within fifteen days after the sale; and the Comptroller shall be authorized, at his option, to resell the premises bid off by those failing to comply with the terms as above; and the party so failing to comply to be liable for any deficiency that may result from such resale.

No person will be received as lessee or surety who is delinquent on any former lease from the Corporation. No bid will be accepted from any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as security or otherwise, upon any obligation to the Corporation (Sec. 99 of Charter of 1873).

The leases will contain the usual covenants and conditions, reserving to the Corporation the right to cancel the lease whenever the premises may be required by them for public purposes.

All repairs will be made at the expense of the lessees, and no deduction whatever will be allowed for damage by reason of any sickness or epidemic that may prevail in the city during the continuance of the lease.

The lessees will be required to give a bond for double the amount of the annual rent, with two sureties, to be approved by the Comptroller, conditioned for the payment of the rent quarter-yearly, and the fulfillment on their part, of the covenants of the lease.

COMPTROLLER'S OFFICE,  
New York, May 31, 1878.  
JOHN KELLY,  
Comptroller.

## REAL ESTATE RECORDS

THE ATTENTION OF LAWYERS, REAL ESTATE OWNERS, Monetary Institutions engaged in making loans upon real estate, and all who are interested in providing themselves with facilities for reducing the cost of examinations and searches, is invited to these Official Indices of Records, containing all recorded transfers of real estate in the City of New York from 1853 to 1857 prepared under the direction of the Commissioners of Records.

Grants, grantees, suits in equity, insolvents' and Sheriffs' sales, in 61 volumes, full bound, price, \$100 00  
The same, in 25 volumes, half bound, ..... 50 00  
Complete sets, folded, ready for binding, ..... 15  
Records of Judgments, 25 volumes, bound, ..... 10 00  
Orders should be addressed to "Mr. Stephen Angell, Comptroller's Office, New County Court-house."  
JOHN KELLY,  
Comptroller.

COMPTROLLER'S OFFICE,  
New York, February 6, 1877.

DEPARTMENT OF FINANCE,  
BUREAU FOR THE COLLECTION OF ASSESSMENTS,  
No. 16 NEW COURT-HOUSE, CITY HALL PARK,  
NEW YORK, May 9, 1878.

## NOTICE TO PROPERTY-HOLDERS.

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

CONFIRMED AND ENTERED MAY 4, 1878.

113th street, regulating, grading, etc., from Morningside to Riverside Drive.

146th street, regulating, grading, etc., from 10th avenue to Boulevard.

Washington street, curb, gutter, and flagging, west side, from Gansevoort to Little 12th street, etc.

5th avenue, sewer, west side, between 35th and 36th streets.

5th avenue, sewer, west of Mount Morris Square, between 122d and 123d streets.

10th avenue, sewer, between 57th and 59th streets.

57th street, sewer, between 8th and 9th avenues, etc.

127th street, sewer, between 6th avenue and summit west of 6th avenue.

127th street, sewer, between 7th avenue and summit east of 7th avenue.

4th street, paving, between Lewis and Mangin streets.

23d street, paving, between Avenue A and East river.

121st street, paving, between 1st avenue and Avenue A.

Grand street, basin, southwest corner Ridge street.

Lincoln avenue, basin, northeast corner 135th street, etc.

127th street, basin, southwest corner Lexington avenue.

5th avenue, basin, west side, opposite 108th and 109th streets.

All payments made on the above assessments on or before July 8, 1878, will be exempt (according to law) from interest. After that date interest will be charged at the rate of seven (7) per cent. from the date of entry.

The Collector's office is open daily, from 9 A. M. to 2 P. M., for the collection of money, and until 4 P. M. for general information.

EDWARD GILON,  
Collector of Assessments.

## WILLIAM KENNELLY, AUCTIONEER.

REAL ESTATE BELONGING TO THE CITY OF NEW YORK TO BE LEASED AT AUCTION ON FRIDAY, APRIL 26, 1878.

PURSUANT TO ADJOURNMENT THE LEASES of the following described property belonging to the Corporation of the City of New York will be sold at public auction, at the New County Court-house, on Friday, April 26, 1878, at 12 o'clock M., for the term of two years from May 1, 1878.

Nos. 9 and 11 Franklin street, premises to be put in repair by the purchaser. Essex Market, part of Cellar No. 1. Lots No. 11, No. 14 to No. 16. South side Sixty-eighth street, between Third and Lexington avenues.

Lot southeast corner Elton avenue and One Hundred and Fifty-sixth street.

## TERMS OF SALE.

Twenty per cent. on the yearly rent bid for each parcel to be paid to the Collector of City Revenue at the time and place of sale; and the successful bidder will be required, at the same time, to have an obligation executed by two sureties, to be approved by the Comptroller, for carrying into effect the terms of sale.

Twenty per cent., when paid, will be credited on the first quarter's rent; or forfeited, if the lessee does not execute the lease and bond within fifteen days after the sale; and the Comptroller shall be authorized, at his option, to resell the premises bid off by those failing to comply with the terms as above; and the party so failing to comply to be liable for any deficiency that may result from such resale.

No person will be received as lessee or surety who is delinquent on any former lease from the Corporation. No bid will be accepted from any person who is in arrears to

the Corporation upon debt or contract, or who is a defaulter, as security or otherwise, upon any obligation to the Corporation. (Sec. 99 of Charter of 1873.)

The leases will contain the usual covenants and conditions, reserving to the Corporation the right to cancel the lease whenever the premises may be required by them for public purposes.

All repairs will be made at the expense of the lessees, and no deduction whatever will be allowed for damage by reason of any sickness or epidemic that may prevail in the city during the continuance of the lease.

The lessees will be required to give a bond for double the amount of the annual rent, with two sureties, to be approved by the Comptroller, conditioned for the payment of the rent quarter-yearly, and the fulfillment on their part of the covenants of the lease.

COMPTROLLER'S OFFICE,  
New York, April 19, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, May 3, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, April 26, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, May 17, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, May 3, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, May 31, 1878, at 10½ o'clock A. M., at the same place.

COMPTROLLER'S OFFICE,  
New York, May 17, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, June 14, 1878, at 10½ o'clock A. M., at the same place.

COMPTROLLER'S OFFICE,  
New York, May 31, 1878.  
JOHN KELLY,  
Comptroller.

## WILLIAM KENNELLY, AUCTIONEER.

## SALE OF FERRY FRANCHISES.

THE FRANCHISES TO RUN THE FOLLOWING ferries and a lease of the wharf property belonging to the city, if any, set apart for ferry purposes at each of said ferries, will be sold at public auction to the highest bidder, at the office of the Comptroller of the City of New York, on Thursday, November 8, 1877, at 12 o'clock noon, for the period of five years from November 1, 1877, except as otherwise stated:

Ferry from Peck Slip, New York City, to the foot of One Hundred and Thirtieth street at Third avenue, Harlem, with an intermediate landing at or near Eighty-fourth street, East river.

Ferry from Fulton Market slip, New York City, to Mott Haven, with an intermediate landing at or near Eighty-fourth street, East river, until May 1, 1879.

Ferry as now established from foot of Roosevelt street, in the City of New York, East river, to South Seventh street, Brooklyn, Eastern District, together with the bulkheads and slips adjacent to and east of the wharf property at foot of Roosevelt street, East river, owned by the Bridge Company, and now occupied for said ferry.

Bidders must bid for the franchise and lease of wharf property of each ferry separately, but no bid will be received unless it includes an offer for both the ferry franchise and wharf property.

The form of the lease required to be executed by the highest bidder can be seen at the office of the Comptroller.

All bids will be regarded as made with reference to said form of lease, and in case the highest bidder shall neglect to execute a lease according to said form, for ten days after said sale, his bid will, at the option of the Comptroller and the Board of the Department of Docks, be rejected.

The leases will contain a covenant requiring the lessees to pay rent quarter-yearly to the Comptroller.

The minimum rate for which the ferry franchise or license to operate such ferries shall be used or enjoyed has been appraised and set by the Commissioners of the Sinking Fund at five per cent. per annum upon the gross receipts for ferriage collected at the New York landing-place for the ferry as now established from the foot of Roosevelt street, New York, to South Seventh street, Brooklyn, and at two and one-half per cent. per annum upon the gross receipts collected for ferriage for the ferries from Peck slip, New York, to the foot of One Hundred and Thirtieth street, Third avenue, Harlem; and from Fulton Market slip, New York, to Mott Haven, such percentage to be paid quarter-yearly to the Corporation, and a covenant will be contained in each lease requiring the lessees to make and deliver to the Comptroller of the City of New York, quarter-yearly, a statement in writing, verified by oath or affirmation of the lessee, or of such proper officer of the lessee as may be designated by the Comptroller, of the actual total gross receipts for ferriage received by such lessee during the preceding three months, and also, that the lessee shall keep regular books of account, showing the daily gross receipts of the ferry leased, and allow said Comptroller, or any person designated by him, to examine such books.

The franchise will be put up and knocked down to the person offering to pay the largest percentage.

All moneys received for the conveyance of passengers, animals, vehicles, or freight from New York to be collected at the landing place in New York, or, if collected elsewhere, to be included in the receipts upon which such percentage is to be calculated and paid.

No bid less than such percentage on such gross receipts will be entertained.

The successful bidder will be required to pay to the Collector of City Revenue the sum of fifteen hundred dollars immediately after the franchise shall have been struck down to him, as security for the execution and performance of the lease, such amount to be credited on the rent when the same becomes due.

Security, satisfactory to the Comptroller, will be required for the punctual performance by the lessees of the covenants of the lease of the franchise in their behalf.

Each purchaser of a lease will be required, at the time of the sale, and in addition to the auctioneer's fees, to pay to the Department of Docks twenty-five per cent. of the amount of the annual rent bid for the wharf property, as security for the execution of the lease, and which twenty-five per cent. will be applied to the payment of the rent for such property first accruing under the lease, when executed, or forfeited if the lessee neglects or refuses to execute the lease and bond after being duly notified that the lease is prepared and ready for signature, or, in case the bid be finally rejected, will be returned to the bidder.

Lessees will be required to pay their rent for the wharf property quarterly, in advance, in compliance with a stipulation therefor in the form of the lease adopted.

The franchise and the lease of the wharf property, if any, of each ferry will be put up and sold together to the highest bidder, subject to the condition hereinafter expressed, and subject also to the right of the Comptroller and the Board of the Department of Docks to reject any or all bids, if deemed to be for the interest of the city.

The right to reject any bid, if deemed to be to the interest of the City of New York, is reserved by the Commissioners of the Sinking Fund.

By order of the Commissioners of the Sinking Fund.  
JOHN KELLY,  
Comptroller.

JACOB A. WESTERVELT,  
HENRY F. DIMOCK,  
JACOB VANDERPOEL,  
Board of Department of Docks.

COMPTROLLER'S OFFICE,  
New York, November 1, 1877.

The above sale is adjourned to Thursday, November 15, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, November 8, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, November 22, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, November 15, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, December 13, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, November 22, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, December 27, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, December 13, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, January 10, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, December 27, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, January 17, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, January 10, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, January 31, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, January 17, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, February 14, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, January 31, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, February 28, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, February 14, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, March 14, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, February 28, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, March 28, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, March 14, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, April 11, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, March 28, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, April 19, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, April 11, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, May 3, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, April 19, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, May 17, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, May 3, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, May 31, 1878, at 10½ o'clock A. M., at the same place.

COMPTROLLER'S OFFICE,  
New York, May 17, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, June 14, 1878, at 10½ o'clock A. M., at the same place.

COMPTROLLER'S OFFICE,  
New York, May 31, 1878.  
JOHN KELLY,  
Comptroller.

## WILLIAM KENNELLY, AUCTIONEER.

## SALE OF FERRY FRANCHISE.

## PURSUANT TO ADJOURNMENT.

THE FRANCHISE TO RUN THE FOLLOWING ferry and a lease of the wharf property belonging to the city, set apart for ferry purposes at said ferry, will be sold at public auction to the highest bidder, at the office of the Comptroller of the City of New York, on Thursday, October 25, 1877, at 12 o'clock noon, for the period of five years from November 1, 1877, namely:

Ferry from Ninety-second street, East river, to Astoria, Queens County, Long Island.

Bidders must bid for the franchise and lease of wharf property of said ferry separately, but no bid will be received unless it includes an offer for both the ferry franchise and wharf property.

The form of the lease required to be executed by the highest bidder can be seen at the office of the Comptroller.

All bids will be regarded as made with reference to said form of lease, and in case the highest bidder shall neglect to execute a lease according to said form for ten days after said sale, his bid will, at the option of the Comptroller and the Board of the Department of Docks, be rejected.

The leases will contain a covenant requiring the lessees to pay rent quarter-yearly to the Comptroller.

The successful bidder will be required to pay to the Collector of City Revenue the sum of fifteen hundred dollars immediately after the franchise shall have been struck down to him, as security for the execution and performance of the lease, such amount to be credited on the rent when the same becomes due.

Security, satisfactory to the Comptroller, will be required or the punctual performance by the lessees of the covenants of the lease of the franchise in their behalf.

The minimum price for which the lease of said wharf property connected with the ferry from Ninety-second street, East river, to Astoria, Long Island, will be sold, has been fixed by the Board of the Department of Docks at the following sum, namely:

For bulkhead at foot of Ninety-second street, East river,

and for premises at foot of Fulton street, Astoria, as now occupied for ferry purposes, at \$250 per annum.

The premises connected with the said ferry, to be taken in the condition in which they were in on the 1st day of August, 1877, and all repairs and rebuilding thereof, and dredging at said ferry during the term leased, to be done at the expense and cost of the lessees.

The purchaser of the lease will be required, at the time of the sale, and in addition to the auctioneer's fees, to pay to the Department of Docks twenty-five per cent. of the amount of the annual rent bid for the wharf property, as security for the execution of the lease, and which twenty-five per cent. will be applied to the payment of the rent for such property first accruing under the lease, when executed, or forfeited if the lessee neglects or refuses to execute the lease and bond after being duly notified that the lease is prepared and ready for signature, or, in case the bid be finally rejected, will be returned to the bidder.

Lessees will be required to pay their rent for the wharf property quarterly, in advance, in compliance with a stipulation therefor in the form of the lease adopted.

The franchise and the lease of the wharf property, of said ferry will be put up and sold together to the highest bidder, subject to the condition hereinafter expressed, and subject also to the right of the Comptroller and the Board of the Department of Docks to reject any or all bids, if deemed to be for the interest of the city.

The right to reject any bid, if deemed to be to the interest of the City of New York, is reserved by the Commissioners of the Sinking Fund.

By order of the Commissioners of the Sinking Fund.  
Dated New York, October 20, 1877.  
JOHN KELLY,  
Comptroller.

JACOB A. WESTERVELT,  
HENRY F. DIMOCK,  
JACOB VANDERPOEL,  
Board of Department of Docks.

The above sale is adjourned to Thursday, November 8, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, October 25, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, November 15, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, November 8, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, November 22, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, November 15, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, December 13, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, November 22, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, December 27, 1877, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, December 13, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, January 10, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, December 27, 1877.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, January 17, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, January 10, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, January 31, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, January 17, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, February 14, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, January 31, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, February 28, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, February 14, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, March 14, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, February 28, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, March 28, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, March 14, 1878.  
JOHN KELLY,  
Comptroller.

The above sale is adjourned to Thursday, April 11, 1878, at 12 o'clock noon, at the same place.

COMPTROLLER'S OFFICE,  
New York, March 28, 1878.  
JOHN KELLY,  
Comptroller.