

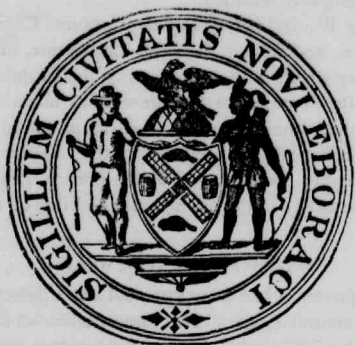
# THE CITY RECORD.

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### DEPARTMENT OF PUBLIC WORKS.

Report for the Quarter ending March 31, 1880.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 11, CITY HALL,  
NEW YORK, May 20, 1880.

Hon. EDWARD COOPER, Mayor of the City of New York:

SIR—I have the honor to submit to you herewith the following report of the transactions of this Department for the three months ending March 31, 1880:

#### SUMMARY OF EXPENDITURES.

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

On account of appropriations raised by taxation.....	\$335,444 49
On account of assessment fund for street improvements.....	61,859 29
On account of revenue bonds in anticipation of collection of charges for water meters..	8,220 62
On account of funded debt for improvement and extension of water supply.....	66,092 59

Total..... \$471,616 99

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

First quarter of 1874.....	\$1,815,339 81
" 1875.....	1,316,484 95
" 1876.....	1,392,597 61
" 1877.....	798,614 37
" 1878.....	691,207 94
" 1879.....	480,237 07
" 1880 (as above).....	471,616 99

#### BUREAU OF CHIEF ENGINEER OF THE CROTON AQUEDUCT.

##### THE CROTON BASIN.

During the quarter the natural flow of the Croton river was more than sufficient to keep the Aqueduct running to its full capacity, with from six to twenty-three inches of water running over the dam.

In January the new reservoir on the middle branch of the Croton was emptied for the purpose of examining the submerged portions of the work, which were found in good condition. The refilling of the reservoir progresses satisfactorily; at the close of the quarter it contained 2,500,000,000 gallons of water—five-eighths of its full capacity,—and at the present writing the water is fifty-five feet deep, only five feet below the overflow.

The rain-fall for the three months was—

At the Boyd's Corners reservoir.....	11.43 inches.
At the Middle Branch reservoir.....	11.03 "
At Kensico, on the Bronx river.....	10.54 "

##### THE BRONX RIVER SUPPLY.

Good progress has been made in the surveys and preparation of plans for the actual work of constructing the dams, reservoirs and conduit line. The hearing of the application for the appointment of Commissioners of Appraisal, to appraise the lands and water rights required by the city, was set down by the Supreme Court for the 8th of May inst., and all the parties interested have been notified of it. The Department will be fully prepared for the work of construction as soon as the report of the Commissioners of Appraisal is made and confirmed.

##### THE AQUEDUCT.

For the first time since the Department has urged in its annual estimates the necessity of additional appropriations for the purpose of insuring the safety of the Croton Aqueduct, upon which the city now depends for its very existence, the Board of Estimate and Apportionment has responded to the appeal, and granted for the year 1880, an increase of \$150,000, in the appropriation for the maintenance of the aqueduct, reservoirs, etc., for the purpose of repairing and strengthening the structure according to the plans already successfully commenced, and which have been fully described in my previous reports. Though the plans of the Department for averting any breach had been well considered and matured, it was deemed prudent not to enter fully upon the work laid out for this year until the season would be sufficiently advanced to insure it against interruption or damage from frost or inclemency of weather. In the meantime the Department has continued, as for the past four years, to make the usual maintenance work contributory to this purpose. In this way the aqueduct has been strengthened during the quarter by the addition of 1,253 cubic yards of retaining walls, for which 1,197 cubic yards of stone were quarried on the aqueduct grounds by the men employed by the Department. At the close of the quarter all preparations had been made to carry on the work of improvement, as described in my previous reports, and at this date a considerable force is actively employed on such work. The work already done, during the past three years, has greatly diminished the leakage in the aqueduct.

##### DISTRIBUTION OF WATER.

###### High Service.

The old High Service Works at Carmansville have been operated to their full capacity without interruption, and by restricting waste within the High Service district, the pressures have been increased.

At the new High Service works at Ninety-seventh street and Ninth avenue, the pumping engines are in operation, and all that remains to be done is to lay an additional main to the high grounds east of the Central Park, in order to extend the benefits of higher pressure to all the points embraced in the plans for these works.

##### Distributing Pipes.

The winter season has been so favorable to the prosecution of outdoor work, that there has been no interruption in the work of laying Croton pipes for extending the distribution of Croton water. Contracts have been completed for laying pipes in—

One Hundred and Fifty-first street, between Courtland and Railroad avenues.  
Madison avenue, between One Hundred and Seventy-seventh and Talmadge streets.  
Washington avenue, between Third avenue and Talmadge street.  
One Hundred and Fifty-seventh street, between Courtland and Elton avenues.  
Elton avenue, between One Hundred and Fifty-seventh and One Hundred and Fifty-eighth streets.

Concord avenue, between Wall and Westchester avenues.  
Cliff street, between Concord and Grove avenues.  
One Hundred and Sixty-ninth street, between Third and Washington avenues.  
Mott avenue, between One Hundred and Fifty-first street and Eilers avenue.  
Railroad avenue, between Morris and Fitch streets.  
One Hundred and Forty-third street, between College avenue and One Hundred and Forty-fourth street.

One Hundred and Fifty-fifth street, between Courtland and Morris avenues.  
One Hundred and Forty-fourth street, between Third and Willis avenues.  
One Hundred and Forty-fifth street, between Third and Brook avenues.  
College avenue, between One Hundred and Forty-fourth and One Hundred and Forty-fifth streets.

Brook avenue, between One Hundred and Forty-fifth and One Hundred and Forty-sixth streets.

Courtland avenue, between One Hundred and Fifty-fourth and One Hundred and Fifty-eighth streets.

Boston avenue, between One Hundred and Sixty-ninth and Jefferson streets.  
Ninth avenue, between Sixty-ninth and Seventy-third streets.

Madison avenue, between One Hundred and Twenty-first and One Hundred and Twenty-third streets.

Fourth avenue, between Seventy-second and Seventy-third streets, and between One Hundred and Twenty-first and One Hundred and Twenty-third streets.

Eleventh avenue, between Sixty-third and Sixty-fourth streets, and between Sixty-seventh and Seventieth streets.

Eighty-seventh street, between Boulevard and Riverside Drive.  
One Hundred and Thirty-second street, between Seventh and Eighth avenues.

Sixty-ninth street, between Ninth and Tenth avenues.  
Seventy-second street, between Ninth and Tenth avenues.

Seventy-third street, between Ninth and Tenth avenues.  
One Hundred and Thirteenth street, between Boulevard and Morningside avenue.

One Hundred and Twenty-first street, between Fourth and Madison avenues.  
Ninety-fourth street, between Lexington and Fourth avenues.

Seventy-second street, between Lexington and Fourth avenues.  
Forty-second street, between First avenue and East river.

Sixty-fourth street, between Tenth and Eleventh avenues.  
One Hundred and Twenty-seventh street, between Seventh and Eighth avenues.

One Hundred and Thirty-second street, between Sixth and Seventh avenues.  
Seventy-second street, between First and Third avenues.

Seventy fifth street, between Third and Lexington avenues.  
Seventy-sixth street, between Third and Lexington avenues.

Forty-sixth street, between Eleventh avenue and Hudson river.  
Eighth avenue, between One Hundred and Forty-first street and Harlem river.

Sixth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-third streets.  
One Hundred and Forty-first street, between Third and College avenues.

One Hundred and Fifty-fourth street, between Third and Courtland avenues.  
The total length of pipes laid during the quarter is 6¼ miles, and 113 new fire hydrants have been set.

The work of extending the water service from the City of Yonkers through the Twenty-fourth Ward, under the appropriation for this year, is now in progress.

##### SUPPRESSION OF WASTE.

For a number of years past the winter season has been the most trying period in respect to keeping up an adequate water supply, owing to the great waste which results from the custom of letting water run day and night from the faucets to prevent freezing in the pipes. The past winter has been exceptionally mild, and the occasion for such waste has been less than in former years, yet there is no doubt that it has been practised to a considerable extent during the past three months. The revival of business, manufactures, and commerce, increase of buildings and population, and extension of elevated railroads have added largely to the legitimate demand for water. We have no new elements of supply to meet these new elements of consumption. The fact that the pressures in the delivery of water have not only been maintained but improved, and the supply in the city reservoirs increased, is therefore due to the use of meters (though as yet very limited), and to the other measures adopted by the Department for the suppression of waste, and it gives assurance of the most favorable results from a further extension of the meter system to all the places to which it is applicable under the law.

The house inspections, to detect leaks in plumbing and wilful waste, have been continued, 10,675 inspections having been made, resulting in the detection of 2,294 cases of leaks or waste.

The number of meters placed during the three months is 414, and the number in use at the close of the quarter is 1,812.

During the present session of the Legislature a bill was introduced creating a Commission to inquire into and report to the Legislature upon the question of suppressing waste of water, controlling the present supply, and obtaining, storing, and distributing an additional supply for this city. When this bill came under the consideration of the Senate Committee on Affairs of Cities I was requested by a resolution of the Committee to state what had been done by this Department in furtherance of these objects, and my opinion as to the necessity of such a Commission. In my answer to this request I gave a brief but comprehensive review of the measures taken by the Department during the four years of my administration with reference to the present and future water supply. As a matter of great interest and pertinent to this report, I append my letter to the Committee as Document "A" of the report.

##### BUREAU OF WATER PURVEYOR.

###### PAVEMENTS.

In consequence of the unusual mildness of the weather, a considerable force was kept at work throughout the winter on the repairs of pavements, and all dangerous places received immediate attention and repairs. The general condition of the pavements is therefore much better than it has been at this season in former years.



In my report for the second quarter of last year, I gave the draft of an ordinance, approved by the Counsel to the Corporation, and introduced in the Board of Aldermen, requiring builders, plumbers and others who obtain permits for opening street pavements to pay a certain fee for the proper restoration of the pavements, the work to be done by skilled men employed by the Department. The evil of having the pavements over the many excavations in the streets replaced by unskilled and irresponsible men was fully set forth in that and previous reports. It is constantly growing in extent with the increase in building operations and the extension of water and gas service, and other improvements.

The best class of builders and plumbers, who are to pay the fees proposed by the ordinance, are in favor of it, and there appears to be no reason for delay in adopting it, and allowing the city to have the benefits which will accrue from it in the improvement of the pavements.

#### Repaving.

Forewarned by the experience of last year, when a delay of over four months occurred before the Department received authority from the Common Council to proceed with the repaving of streets under the law of 1875, and the appropriation made by the Board of Estimate and Apportionment for 1879, I gave early consideration to the question as to what streets should be repaved out of the appropriation for this year, and presented to the Board of Aldermen on the 16th of February last the following list of streets for repavement:

#### First—With Granite-block Pavement.

Fulton street, between Broadway and South street.  
Centre and Marion streets, from south side of Canal street to Prince street.  
Front street, between Whitehall street and Old Slip.  
Walker street, between Baxter street and West Broadway.  
Seventh avenue, between Eleventh and Fourteenth streets, except on the horse-paths of the railroads.

Greenwich avenue, between Sixth and Eighth avenues.  
West street and Tenth avenue, between Eleventh and Fourteenth streets.

#### Second—With Trap-block Pavement.

Madison street, between Clinton and Grand streets.  
Jefferson street, between Division and South streets.  
Seventh street, between Avenue A and East river.  
Second avenue, between Nineteenth and Twenty-third streets.  
Thirteenth street, from Eighth avenue to Gansevoort street; and Gansevoort street, from Thirteenth street to Twelfth avenue.  
Twenty-second street, between Sixth avenue and Hudson river.  
Eleventh street, between Third and Fourth avenues.  
Twenty-first street, between First and Third avenues.  
Tenth avenue between Twenty-second and Thirty-first streets.  
First avenue between Houston and Eighth streets.  
Jay street, between Hudson and West streets.  
Pearl street, between State and Whitehall streets.  
Moore street, between Pearl and South streets.  
William street, between Beaver and Broad streets.  
Stone street, between William and Broad streets.  
Old Slip, between Pearl and South streets.  
Fletcher street, between Pearl and South streets.  
Burling Slip, between Water and South streets.  
Hanover street, between Exchange place and Pearl street.  
De Peyster street, between Water and South streets.  
Platt street, between William and Pearl streets.  
Cliff street, between Fulton and Ferry streets.  
Fourteenth street, between Ninth and Eleventh avenues.  
Fifty-seventh street, between Fifth and Sixth avenues.

#### Third—With Macadam Pavement.

One Hundred and Twenty-fourth street, between First and Third avenues.

The resolution authorizing the work to be done was adopted by the Board of Aldermen, March 9th, and approved by the Mayor, March 15th ult. Contracts and specifications were at once prepared, and the works advertised for public letting on the 14th of April. In consequence of the rise in the prices of labor and materials since last year, it was deemed prudent to withhold from the first letting a few of the above-named streets, but the letting included Gold street, from Liberty street to Frankfort street; Forty-second street, from Second to Third avenue; and Twelfth street, from Fifth to Sixth avenue, the repaving of which was authorized last year.

#### BUREAU OF STREET IMPROVEMENTS.

The work on regulating, grading, curbing, guttering, and flagging streets has been comparatively light during the quarter, the following being the principal quantities of work done:

5,800 cubic yards rock excavated.  
22,531 cubic yards filling put in embankment.  
1,073 lineal feet curb stone set.  
1,564 lineal feet picket fence built.

By a recent decision of the courts the making of new contracts for grading, curbing, guttering, and flagging streets is practically stopped. The Mayor alludes to this decision in a message to the Board of Aldermen, dated March 23d ult., as follows:

"By a decision of the General Term of the Supreme Court, handed down on the 13th of this month, it has been decided that flagging or setting curb and gutter stones is paving, and that under the law which provides that, except upon petition, no assessment shall be made for repaving a street which has once been paved by assessment, the paving of the roadway is a repavement for which no assessment can be laid, if an assessment has previously been laid for flagging the sidewalk or setting curb or gutter stones, although the paving of the roadway has never been included in any assessment. While this decision stands and the law remains unchanged, the passage of any resolution for setting curb and gutter stones, flagging or paving which does not include them all, to be paid by assessment, will invalidate any subsequent assessment for any such work not included in the resolution. Therefore, all resolutions of the Common Council directing any work of this class to be done, should include setting curb and gutter stones, flagging the sidewalk, and paving the roadway; and no one of these kinds of work should be included in a resolution and ordinance for regulating and grading unless they are all so included."

It has been the custom for many years, when it became necessary to open or grade a new street to include in the work or contract the setting of curb and gutter stones, and the laying of one course of flagging through the centre of each sidewalk. The curb and gutter are necessary for the surface drainage, to carry off the rainwater and prevent it from washing away embankments or washing out cuttings and creating stagnant pools. The single course of flagging on each sidewalk is necessary for the accommodation of pedestrian travel. To grade a street without setting curb, gutter, and flagging would therefore leave it unprotected from injury by rain-storms, and comparatively useless for public travel. It would be equally improper to include the paving of the roadway in the first work of grading and improvement. While the public interest may require the grading of a street at a certain time, the paving of the roadway may not become necessary for some years thereafter. It would be unjust to assess the property-owners for a pavement years in advance of its necessity and to subject the taxpayers at large to the expense of maintaining a premature and unused pavement. Furthermore, were it necessary to pave a street as soon as possible after the grading, the roadbed, especially when it is on an embankment, should be allowed to settle and compact itself for a year at least before a pavement is laid. There are about fifty miles of streets in the upper part of the city, south of the Harlem river, which have been graded, curbed, guttered, and partly flagged—some of them

many years ago—and are not yet paved. They have so far answered all the purposes of local travel, and roadways are only paved, or expected to be paved, when they become actually necessary. Under the above-mentioned decision of the Court, these fifty miles of streets would have to be paved at the expense of the city at large, and the property-owners along their lines would escape the local assessments which have been levied for this kind of work from the earliest days of our city government. The decision must be considered especially unfortunate at this juncture of affairs, when revival of business prosperity and establishment of rapid transit have caused great activity in the erection of new buildings in hitherto unpopulated districts. Unless this movement is aided and encouraged by the city government by a more rapid progress of street improvements, it will soon be arrested, and the increase in value of taxable property retarded.

With the view of remedying this state of affairs, the Common Council called upon the Counsel to the Corporation to draft a law, and submit it to the Legislature, authorizing assessments for the first or original pavement in every street, without removing the prohibition of assessment for repaving; in other words, amending the language of the present law in such manner that it cannot fail to receive the interpretation which had been given to it since its adoption in 1873 until the above-mentioned decision of the Court. Such a bill has been sent to the Legislature, but has not yet become a law. It is to be hoped that, either by the action of the present Legislature or the decision of the Court of Appeals upon cases now before it, the anomalous condition of things above described will be speedily remedied.

#### CONTRACTS FOR CITY WORK.

In my report for the third quarter of last year I pointed out a defect in the present laws and ordinances regulating the letting of contracts, viz.: The impossibility of shutting out irresponsible and bogus bids. The immunity with which such bids can be submitted, and the necessity of giving them consideration, unless they show fraud or irregularity on their face, lead to a constant increase of the evil. On twelve out of the forty-two contracts included in the several lettings in this Department since the first of January, the sureties offered by the lowest bidder were insufficient, although each bid is accompanied by the affidavits of the sureties, that they are worth the amount required as security for the performance of the contract. In two of these cases I have the sworn statement of one of the sureties that he never appeared before a Notary Public to swear to the truth of the sureties' affidavit attached to the bid, and I have the sworn statement of the other surety that he never saw the bid, and that what purports to be his signature thereon is a forgery. In another case neither of the supposed sureties can be found; the place or street number given as the residence of one of them is a vacant lot, and the alleged residence of the other is a stable. It is not only possible, but probable, that other bids received at the several lettings were made up in the same way, but unless we have direct evidence of their irregularity, we cannot set them aside, but have to submit them to the Comptroller for his approval or rejection of the sureties. If the sureties are rejected, the work has to be readvertised and relet, when the same person may again put in the same or a similar bid, and repeat the act as often as the work is relet. It is thus in the power of any person to nullify the ordinances of the Common Council directing the execution of street improvements.

I have laid the two most flagrant cases, above mentioned, before the District Attorney, with the view of prosecuting and punishing the guilty parties.

In the report for the third quarter of last year I suggested, as a remedy for this evil, that a deposit of money, moderate in amount, be required with each bid, to be forfeited if the bid is not made good when the contract is awarded. This appears to be a very simple method of stopping irresponsible or fraudulent bidding, as the class of men who practice it could not afford or would not risk the loss of even a small sum of money.

Another way would be to authorize the head of the Department, in conjunction with the Comptroller, to set aside all bids which they believe to be irresponsible or fraudulent, and to award the contract to the next lowest bid. Or, in place of having the sureties on proposals examined by the Comptroller after the letting, bidders might be required to have their sureties approved and become bound to the city in the stipulated amount for the performance of the work before the bids are submitted and received.

Whatever method may be adopted to attain the desired result—full opportunity of competition among responsible and bona fide bidders—there can be no difference of opinion as to the urgent necessity of protecting the city and honest contractors against loss and imposition from fraudulent or irresponsible bids.

#### BUREAU OF SEWERS.

The work done by contract in building new sewers for the past quarter embraces the following items:

3,215 lineal feet of sewers built.  
181 lineal feet of culverts built.  
7 receiving-basins built.  
13 receiving-basins rebuilt, with new heads and covers.  
34 new manhole heads and covers furnished and set.

The force employed in cleaning and repairing sewers has performed its work promptly and efficiently, remedying or anticipating complaints of defective sewerage from deposits in sewers and basins or other causes. The principal items of work done under this head for the three months are as follows:

2,469 cart loads of dirt removed from sewers and basins.  
3 new manholes built.  
19 manholes repaired.  
15 new manhole-heads and 53 new covers furnished and set.  
1,018 cubic yards of earth excavated and refilled.

#### BUREAU OF STREETS.

Prompt attention has been given to the necessary repairs on the unpaved streets and roadways in the upper part of the city which are under the charge of this bureau. Kingsbridge road and Farmers' Bridge road were repaired with broken stone and other road material; crosswalks were reset on Ninth avenue, at Seventy-second, Eighty-first, Ninety-third, and One Hundred and Fourth streets; holes were filled in, curb and gutter reset, and other injuries caused by storms were repaired on many streets and avenues. The Eighth avenue, at its upper end, as recently graded, forms an embankment of considerable height above the adjoining ground, and to make it accessible to pedestrians from the westerly side, a wooden stairway was built at One Hundred and Fifty-fifth street.

#### BUREAU OF LAMPS AND GAS.

During the quarter 94 new street-lamps were put up and lighted, 13 old lamps were relighted, and 12 lamps were discontinued, showing an increase of 95 in the total number of lamps in use which at the close of the quarter was 23,231.

#### BUREAU OF REPAIRS AND SUPPLIES.

In addition to the usual repairs and supplies for public buildings and offices, a great improvement has been made in the County Clerk's office, by substituting wire railings or screens for the old wood and glass partitions, and painting the whole interior in light colors, thus giving better light and ventilation. Among other extra items of work or repairs during the quarter are the building of a tool-house for the Farmers' Market on the Fort Gansevoort property; replanking part of the roadways in West Washington Market; building gun cases for the Ninth Regiment Armory, and water closets and wash-basins for the Eighth Regiment Armory; and putting up iron guards at the County Jail.

The Free Floating Baths are being thoroughly repaired and refurnished for the coming bathing season.

#### BUREAU OF INCUMBRANCES.

This Bureau received during the quarter 1,449 complaints of obstructions on streets and sidewalks, which received prompt attention. In 369 cases the obstructions had to be removed by the Bureau officers. The Bowery, Chatham street and Third avenue, and several other streets and avenues were



cleared of incumbrances, consisting of old awning posts, signs, etc. The decision of the Supreme Court, referred to in my last report, confirming the authority of the Commissioner of Public Works to remove all structures or projections extending beyond the house line, has produced very good results in a more ready acquiescence in the notices and orders of the Department for the removal of obstructions.

## BUREAU OF WATER REGISTER.

The collections of revenue from the Croton water service for the quarter are as follows:

For Croton water rents.....	\$105,350 47
For penalties on Croton water rents.....	1,895 60
For permits to tap Croton pipes.....	1,858 00
Total.....	\$109,104 07

Towards the close of the quarter the meter system had been sufficiently tested to demonstrate beyond all doubt its beneficial effects in saving large quantities of water, and in view of the contemplated application of meters to all business establishments and stables, I deemed it proper to take into consideration the question of reducing the rate for water furnished through meters.

The rate heretofore had been fifteen cents per one hundred cubic feet, which, if maintained, would impose increased charges where meters are applied. I have always held that the saving of water by the suppression of waste is a more important consideration than an increase of the Croton water revenue by the imposition of additional charges, and having ascertained that the charge for water by meters could be reduced one-half without diminishing the aggregate revenue, I came to the conclusion to encourage the use of meters by making the reduction, and the rate was accordingly established at 7½ cents per 100 cubic feet, to take effect April 15, 1880.

This rate is as low as that charged in any of the large cities of the United States, and has given very general satisfaction.

## OTHER REVENUE.

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

For permits to build street vaults.....	\$4,271 15
For permits to make sewer connections.....	4,266 72
For meters furnished and set by the Department.....	2,616 12
For miscellaneous items.....	30 25
Total.....	\$11,184 24

Respectfully submitted,

ALLAN CAMPBELL,  
Commissioner of Public Works.

## Document "A."

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 19, CITY HALL,  
NEW YORK, May 8, 1880.

Hon. WM. B. WOODIN, Chairman of the Senate Committee on Affairs of Cities:

SIR—I have received a copy of a preamble and resolution passed by your committee on the 28th ult., making certain inquiries in regard to the water supply of the City of New York. The resolution is as follows:

"Resolved, That the committee, through the chairman, shall request the Commissioner of Public Works of New York City to inform them as to what steps have been taken by his Department in the examination and consideration of 'all questions relative to preventing waste of water and regulating and controlling the use of the present supply,' and relative to obtaining, storing and distributing an additional supply, 'and whether in his opinion there is any necessity for the creation of such a commission as that provided for in Assembly Bill No. 350, and whether the passage of that bill would impose unnecessary expense upon the city.'"

The resolution was accompanied by a copy of Assembly Bill No. 350.

In answer to the resolution I have the honor to submit the following statement:

The whole question of furnishing and maintaining an adequate supply of pure and wholesome water for this city has engaged my earnest and careful attention during my term of office, and I have caused extensive surveys and examinations to be made with reference to a complete and thorough understanding of the subject, the results of which are fully set forth in various reports, estimates, maps, and plans filed in the Croton Aqueduct Bureau. These reports and surveys are very comprehensive, embracing not only the subject of present supply, but also of that for the distant future, together with a consideration of the many plans suggested, and a full description of those deemed by the Department most judicious for accomplishing the desired object. In order that the committee may in some degree understand the nature of the work performed, I have appended to this letter extracts from some of my reports. By presenting the subject in this shape, I am saved the necessity, in replying to your resolution, of entering unnecessarily into details, for which I would respectfully refer the committee to the appendix referred to.

During the first year of my term (1876) a drought of almost unexampled severity occurred in the Croton region and adjacent country by which the city was threatened with a water famine. The drought continued with unabated severity through the year 1877. By great efforts, in utilizing the lakes of Westchester and Putnam counties in the manner set forth in my reports at that time, the supply of water was kept up, though in reduced quantity, the water in the Croton river and in the lakes and single reservoir, then constructed, having been insufficient to keep the aqueduct filled to its maximum capacity. This deficiency arose from an inexcusable delay in the construction of an additional storage reservoir in the Croton basin. Had it been commenced in proper time no failure of supply would have been experienced, even in the great drought to which I have referred, and which was more severe in the Croton region than had been known for half a century. The dam of the great reservoir on the middle branch of the Croton, a work of magnitude, had been in progress during the year 1875, but was not completed until 1878. This reservoir has a capacity of four thousand million gallons, making, together with the Boyd's Corners reservoir and the natural lakes, a storage reserve of about nine thousand million gallons, capable, with the running water of the river, of filling the Croton aqueduct to its maximum capacity (about ninety-five million gallons daily) every day of the year, even in seasons of greatest drought. Although the extraordinary drought to which I have alluded caused me great care and anxiety, yet it has furnished a warning as to the necessity of prudence and careful consideration in making plans and arrangements for the present and future water supply of the city.

Your resolution first calls upon me to inform you "what steps have been taken by my Department in the examination and consideration of all questions relative to preventing waste of water, and regulating and controlling the use of the present supply."

The first step in controlling waste was to see that no water was lost by leakage from the aqueduct in its flow from the Croton dam to the city reservoirs, a distance of forty miles.

The Croton aqueduct, which in great part is most substantially built, has proved to be defective, where it crosses valleys and low grounds, in the character of the foundation walls, which were laid up dry, and of rough, undressed gneiss rock. The settlement or subsidence of these walls caused cracks in the aqueduct itself, allowing the water to leak down into the foundations, causing not only settlement into the ground, but disintegration of the gneiss rock at its rough, bearing surfaces, by reason of alternate moisture and dryness.

The settlement of the aqueduct from its original level varies, at these places, from three to thirteen inches. Very little seems to have been done towards overcoming this defect in the aqueduct until 1876. With limited appropriations we entered upon the work of arresting an evil which, if continued, must have led to results of alarming consequence, but it was only at the close of 1879 that I succeeded in securing from the Board of Estimate and Apportionment a sufficient appropriation for the repairing and strengthening in a thorough manner the weak portions of the aqueduct above described. It is not necessary here to detail the manner in which the work of repair is done, as that may be found in the appended extracts from my quarterly and annual reports.

I may, however, state that some progress was made in this work during 1878 and 1879, and with good results, some of the worst cracks and leaks having been thoroughly repaired and stopped. During the present season about one-half of the remaining work of repair and restoration will be accomplished, leaving an equal amount to be done next year, for which I shall ask the proper appropriation, which I have no doubt will again be granted. When completely repaired and strengthened in the manner pursued during the last two years, we have reason to hope, from the good results already attained, that this aqueduct, the single artery on which the city now depends, and for forty years has depended for its water supply, will convey its full volume with very little loss or waste from leakage. The care and protection of this conduit is one of the most important duties devolving upon this Department, and ever since I became aware of its impaired condition, I have impressed upon the engineers the necessity of the most vigilant supervision and inspection, and of thorough and substan-

tial repairs and improvements, and also upon the Board of Estimate and Apportionment the absolute necessity of ample appropriations for carrying on the work. I have examined in person both the outside and inside of the aqueduct, having passed through the interior for a distance of several miles during the time when the water was drawn off for repairs and cleaning. The work of repair, on which we are now engaged, should have been commenced several years ago, when it became necessary to increase the volume of the water in the aqueduct by raising its level above the springing line of the arch. This increased volume caused greater leakage, and contributed to the disintegration of the rough bearing-points of the gneiss rock, as above described.

I had a consultation last year with the venerable John B. Jervis, the well-known engineer under whose direction the Croton aqueduct was built. He approved of the plans adopted for repairing and strengthening the structure.

It is greatly to be regretted that the foundation walls of the aqueduct, where embankments occur, had not originally been built in a more substantial manner. The stones should either have been dressed to better beds and joints, or the whole should have been laid in hydraulic cement. This would have increased the total cost a few hundred thousand dollars, the length of walls requiring such treatment being about eight miles. That part of the aqueduct built upon solid ground (except an earth tunnel) remains unimpaired, and bids fair to stand the test of long time.

The suppression of waste of water within the city also engaged my early attention. I could not learn that any practical steps had been taken to cure the evil, though the reports of the Croton Aqueduct Board and of their successors in the Department of Public Works were strong in condemnation of the practice and in appeals to the people to be more economical in the use of water.

The legitimate use for purposes of health, cleanliness, comfort, ornament, manufactures, and commerce has far exceeded the anticipations of those who designed the Croton Aqueduct, and this legitimate demand must be met with a full and abundant supply. The modern improvements in dwellings, with numerous baths, closets, etc., will be continued, and even increased, in greater proportion than the increase of population. That there has been and still is, however, an immense waste of water beyond these legitimate uses is undoubted.

In my report for the second quarter of 1876, I treated of the subject of waste, and enumerated the following as the ways and places in and by which waste and loss occur, viz.:

- On the docks and piers.
- At public drinking-hydrants.
- At public and private fountains.
- In the public buildings.
- In livery and private stables.
- In railroad and omnibus stables.
- In the washing of yards, streets, etc., without authority.
- In buildings on account of defective plumbing; and by allowing water to run night and day in winter to prevent freezing in pipes.
- By flooding the streets in summer instead of sprinkling.

At an early day, I established a system of house to house inspection, competent persons being assigned to districts to examine the condition of pipes, faucets, etc., within buildings, and to report all waste and causes of waste. This system has been continued with good effect.

Great waste occurred along the river fronts in the supply of water to shipping, etc. Measures were at once taken to suppress such waste, and when the license which had existed for many years expired in 1877, under which this branch of the water service had been farmed out for a fixed sum, the duty was assumed directly by the Department, resulting not only in an immense saving of water, but in an increase of revenue to the city of over fifty thousand dollars per annum.

The most important step, however, which has been taken towards the suppression of waste, is the introduction of the meter system, under which water meters are being placed upon all buildings and establishments where water is used in large quantities and for business purposes, other than private houses, which are exempt by law from the application of meters. It is only within a recent period that meters have been applied to any considerable extent. On January 1, 1876, there were in all 275. On August 1, 1879, there were 609, and at this date there are 1,976, which number will be increased to about 3,500 by the close of the year. As the larger establishments have been first metered, the good effects of the system are even now quite evident, and as the work is to be continued without intermission until all business places are metered, very great improvements are anticipated within the next two years.

The meters now in use are distributed among various establishments as follows:

On railroads.....	121 meters.
On hotels.....	298 "
On slaughter and packing-houses.....	111 "
On breweries and malt houses.....	154 "
On stables.....	498 "
On gas companies.....	33 "
On bottling establishments.....	62 "
On docks.....	93 "
On miscellaneous places.....	606 "
Total.....	1,976 "

As instances of the saving of water effected by meters, I will cite two cases. One large hotel which on the first application of a meter was found to be consuming or rather wasting 115,000 gallons of water daily is now reduced to 45,000 gallons, and another has fallen from 80,000 gallons to 24,000 gallons daily. In the case first cited resort was had to the aid of a well, but in the second the saving was entirely from stoppage of waste. Some manufacturing establishments, such as breweries, have bored for water since the introduction of meters, the well water being used for washing and cooling purposes. I would be very glad if our water supply could be increased from subterranean sources, as the Croton service and pressure would be benefited thereby. The success in boring, however, has not been very great, and the water thus obtained is not pure, and can only be used for cleaning, cooling, etc.

There is no doubt that great waste takes place in private houses, and I have under consideration, and in fact already on trial, some methods for controlling such use of water without placing meters within the premises. In official reports I have suggested that a stringent law should be passed giving to the Department of Public Works supervision of buildings in respect to the matter of plumbing and water pipes. If pipes are properly placed within the buildings so as to prevent freezing, the pernicious habit of allowing water to run to waste to guard against frost would be broken up. We are now placing stop-cocks in the service pipes of several houses at the curb line, so that, by the application of a portable waste water gauge devised by Mr. B. S. Church, Resident Engineer of the Croton Aqueduct, the quantity of water per hour running into the house is accurately indicated upon the face of the instrument. It may be practicable, also, to place a small portable meter within a box near the curb, which could be locked up and left for a few days, so that the amount of water consumed (or wasted) within the house can be correctly ascertained. By some method of this kind a large saving of water will be effected. The knowledge of every householder that the Department has the power at any time, night or day, to ascertain the measure of waste going on, and for which proper penalty will be exacted, will induce all to protect their plumbing, and to avoid all drafts upon the water except for necessary purposes. A system to accomplish the same thing has been tried in Liverpool and some other cities of Great Britain, known as the Deacon system, and with good effect. I had this system investigated by the engineers of the Croton Bureau, but the arrangement of our water pipes being radically different from those of Liverpool, the system is not applicable here. The plans above described, of which trials are now being made, will accomplish the desired end more simply and directly. The great object in either mode is to bring a moral pressure upon householders to avoid waste, from the fact that an unseen agent, in the shape of a waste gauge or a hidden meter may, at any time, be taking note of unlawful waste.

With this system for checking waste at private houses fairly introduced in addition to the general appliance of meters to business places, as heretofore described, the resulting benefit will be very great. The Croton Aqueduct delivers 95,000,000 gallons daily, and can deliver no more; therefore, this amount only can be distributed daily. Now, if by suppressing waste in the manner proposed and now being adopted, one-third of the quantity now distributed can be served for useful purposes (and many claim that the proportion will be greater), the saving would be equivalent to the addition of over thirty million gallons daily to the supply, and would have the effect of increasing the pressures in all parts of the city, and of postponing for several years the construction of an expensive aqueduct.

The "regulating and controlling the use of the present supply" is further accomplished by maintaining the level of the reservoirs in the Central Park at the highest possible mark, in order to obtain all the pressure possible, and by so regulating the gates at the outflow that the amount received daily shall be distributed daily.

Your second inquiry is in regard to the steps taken by this Department "relative to obtaining and distributing an additional supply."

It will be seen by the appendix that the question of the water supply, present and future, has been considered and discussed in all its bearings during my term of office. From time to time my views, together with the results of surveys, were fully set forth in my quarterly reports. In that for the second quarter of 1879, I made a special report upon the water supply, in which my conclusions are fully stated.

This report is the last document of the appendix, and describes at length not only the work now in progress, but presents my views as to the future necessities. The various subjects treated of in this report are introduced as follows:

"The plans and methods by which this Department proposes to increase, improve, and maintain the city's water supply will be considered under several heads, as follows:

"First—The present Croton Aqueduct, its repair and maintenance in the most thorough and efficient manner and at whatever cost. However opinions may differ as to necessities and plans for new conduits and new sources of supply, there can be but one opinion as to the duty of maintaining in perfect condition the single artery on which the life and property of the city depend.

"Second—High service works.



"Third—Additional supply of water from the Bronx river valley, Rye Ponds, and Byram river valley.

"Fourth—Suppression of waste.

"Fifth—The Housatonic river as a source of supply to a new aqueduct.

"Sixth—Storage reservoirs.

"Seventh—A new aqueduct from the Croton basin.

"Eighth—Distribution of water."

A brief notice of the work done under these several heads, so far as not already stated in this letter, will afford the most proper answer to your second inquiry.

1st. The condition of the Croton Aqueduct and the repairs in progress have already been noticed in reply to your first inquiry.

2d. High Service Works—These works, situated between Ninety-seventh and Ninety-eighth streets, near Ninth avenue, on land formerly occupied by the aqueduct, consist of engine-house and two pumping-engines, each capable of raising with ease seven and a half million gallons of water one hundred feet high every twenty-four hours. One engine is to be kept in reserve, and provision is made in the building for a third engine, when it shall be required, so that in time fifteen million gallons may be distributed daily from these high service works. From the old high service works near the High bridge, at One Hundred and Seventy-third street, three and a half million gallons are furnished daily.

There are many parts of the city so elevated that water under the ordinary pressure can only be delivered in basements or first floors and some which are beyond reach at all by the low service.

The new works were commenced in February, 1879, and are now so far completed that water is already being delivered therefrom to some extent, and the whole will be in working order by mid-summer. The building is substantial and the engines are of superior construction. The total estimated cost was \$220,000, and the final cost will fall within that sum.

3d. Additional supply of water from the Bronx river valley, Rye ponds, and Byram river valley.

While I have desired to postpone as long as possible the construction of a large and expensive aqueduct from the Croton basin, which would cost, with adequate means for its supply, certainly fifteen millions of dollars, I have deemed it wise to secure another conduit in addition to the Croton Aqueduct, for the double reason of increasing the supply of water, and that the city may not be entirely dependent on a single structure for its very existence, which if injured by breach from any cause would entail disaster of serious consequence. Accordingly I turned my attention to the watersheds of the Bronx and Byram rivers, at the sources of these streams in Westchester County, about twenty-five miles north of the Harlem river, and embracing the lakes known as the Rye pond, Byram pond, and Wampus pond. Complete surveys of this region have been made, resulting in the knowledge that with proper reservoirs, from eighteen to twenty million gallons daily of very pure water may be obtained and led from this region by a forty-eight-inch iron main, and delivered at a height of one hundred and eighty feet above tide level or sixty-five feet above the Croton Aqueduct. The work, including reservoirs, land and water rights, pipe line, and structures, is estimated to cost two and a half millions of dollars, but including some work within the city, which is necessary under any circumstances, and in order to make full allowance for all contingencies, I have estimated the complete cost of this work at three millions of dollars.

I have already taken the necessary steps towards the construction of this new conduit, a work which meets with general approval for the reasons above stated, and the cost of which is comparatively moderate. Nearly three years will be required for its construction. Commissioners will within a few days be selected by the Supreme Court, as authorized by law, to appraise the value of the required lands, and the work of construction will be commenced during the present season. Iron pipe has advanced somewhat in price since I first proposed the conduit, but it is still very reasonable, and a pipe line will be less costly than a stone or brick aqueduct.

This conduit is of vital importance to the wards north of the Harlem river, which are destined to increase greatly in population within the next ten years; but besides supplying those Wards in liberal quantity it will contribute a large amount to the Central Park reservoirs. With the additional supply thus obtained, and the suppression of waste by meters, etc., as herein detailed, the construction of a new and large aqueduct may be postponed for several years. In twelve or fifteen years, if the affairs and finances of the city are wisely, economically and honestly conducted, the debt will be reduced, by the operation of the sinking fund, nearly fifty millions of dollars; and then, should it be found necessary to construct a new aqueduct of large dimensions from the Croton basin, the city will be well able to meet the expense, with a reduced debt and lighter taxation from the increased value of taxable property.

4th. Suppression of waste. I have fully considered this subject under your first enquiry.

5th. The Housatonic river as a source of supply to a new aqueduct. In discussing the question of an adequate supply of water for the city in future years, it became necessary to consider whether a new aqueduct should be supplied by means of storage reservoirs in the Croton basin, or, in whole or

in part, by water drawn from some other source. My knowledge of the topography of the country at the head waters of the Croton and immediately north of it, acquired many years ago, led me to believe that it is practicable to divert the water of the Housatonic river by canal or aqueduct to the Croton basin. Accordingly, I directed a careful survey of the country to be made, which resulted in establishing the fact that eighty or one hundred million gallons daily may be drawn from the Housatonic by means of an open canal, and discharged into the Croton at a cost of two and a half millions of dollars. The report, maps, plans, profiles, etc., of this survey are filed in the Department, and will be of much value when the time for constructing a new aqueduct arrives.

6th. Storage reservoirs. Two large artificial reservoirs, one on the west and one on the middle branch of the Croton, have been constructed (the latter completed in 1878), whose combined capacity is seven thousand million gallons. In addition to the water of these artificial lakes, we have, under the laws of the state, secured the right to draw from Lake Mahopac and several other natural lakes in the Croton basin, about two (2) thousand million gallons per annum, making altogether a present storage supply of nine thousand million gallons.

The work of securing these water rights of the natural lakes has been going on for the past two years, under the direction of the Corporation Counsel, aided by this Department, and has resulted in obtaining for the city a valuable storage supply of the purest water at a reasonable cost.

The sites for storage reservoirs were surveyed several years ago, under the direction of Alfred W. Craven, then Chief Engineer of the Croton Aqueduct. One of these on the east branch of the Croton, of 4,500,000 gallons capacity, was accurately worked out and planned two years ago, but its construction is not deemed necessary at present. The general question of the storage required for one and two aqueducts from the Croton basin, as well as the amount of rain fall which may be collected, is fully discussed in the special report before alluded to, as the last document of the appendix.

7th. A new aqueduct from the Croton basin. Although, as before stated, this work will become necessary several years hence, affording as it will the best mode of adding to the city's supply when the proper times arrives, I have not made any special survey with a view to its construction. My predecessor, Gen. Porter, caused a survey of the line to be made in 1875, and I have given the results of such survey in my special report of 1879.

The adoption of the Bronx conduit, and the plans for suppressing waste by meters, etc., as herein detailed, renders it unnecessary that I should say anything further at this time as to the aqueduct of the future. It will, however, ultimately become necessary, and when built, should be constructed in the most substantial manner, and of capacity at least fifty per cent. greater than the old aqueduct.

8th. Distribution of water. We are constantly adding to the water-pipes in the upper part of the city as population increases, and in the lower and older districts great improvement has been made within a few years past by increasing the size and number of mains leading down town, and also the number and size of hydrants by which the delivery of water has been facilitated, and in the means of extinguishing fires vast improvement has been effected. Several large fires have occurred in and near Broadway within the past two years, at which the supply of water was abundant. On a telegraph from the Fire Department to the Central Park Reservoir, a flood of water can be delivered to any part of the city by opening the proper gates.

The length of water-pipe laid since January 1, 1876, is 81 miles; number of hydrants placed in same time, 2,219.

Total length of water-pipe in the city, 480 miles; total number of hydrants, 5,497.

The third inquiry contained in your resolution is, "Whether in my opinion there is any necessity for the creation of such a commission as that provided for in Assembly Bill 350, and whether the passage of the bill would impose unnecessary expense upon the city."

The bill provides for the appointment of five Water Commissioners to investigate the matters embraced in your inquiries, and which I have answered in this letter. This Commission is authorized to appoint engineers, to make report to the next Legislature, and to expend not exceeding fifteen thousand dollars.

Your Committee will see from the statement herein made that the information desired has already been obtained, and that this department is now engaged in regulating waste and in controlling the use of the present supply, and in obtaining an additional supply, and the appointment of a special commission might retard rather than facilitate these objects. While there are organized departments for certain duties, it seems to me unwise and unnecessary to institute special commissions for the same work, and I am not aware that any reason has been given for the Commission proposed by this bill.

From the statements in my letter and accompanying documents, the Committee can judge what has been done by this Department in the matter of the water supply, both present and prospective. In answer to the Committee's final question, I reply that I think there is no necessity for the commission proposed by Assembly Bill No. 350, and that it would impose unnecessary expense upon the city.

I have the honor to be, very respectfully,

(Signed)

ALLAN CAMPBELL, Commissioner of Public Works.

### Document "B."

Showing Titles of Appropriations; Appropriations and Transfers of 1879; Requisitions on 1879 for the Year; Requisitions on Liabilities of 1879 during First Quarter, 1880; Balances of 1879 on April 1, 1880; Appropriations and Transfers of 1880; Requisitions of First Quarter, 1880; Balances on April 1, 1880; Balances of 1878 on April 1, 1880; and the Titles and Conditions of the "Trust Accounts," April 1, 1880.

TITLES OF APPROPRIATIONS.	Appropriations and Transfers, 1879.	Requisitions, from January 1 to December 31, 1879.	Requisitions on Liabilities of 1879 during 1st Quarter, 1880.	Balances of 1879 on April 1, 1880.	Appropriations and Transfers, 1880.	Requisitions, First Quarter of 1880.	Balances on April 1, 1880.	Balances of 1878 on April 1, 1880.
Aqueduct—Repairs and Maintenance.....	\$112,000 00	\$109,570 18	\$2,415 86	\$13 96	.....	.....	.....	\$4 22
Aqueduct—Repairs and Maintenance—Salaries.....	13,760 00	13,693 62	.....	66 38	.....	.....	.....	.....
Aqueduct—Repairs and Maintenance and Strengthening.....	.....	.....	.....	.....	\$218,500 00	\$15,429 03	\$203,070 97	.....
Aqueduct—Repairs and Maintenance and Strengthening—Salaries.....	.....	.....	.....	.....	16,000 00	2,293 32	13,706 68	.....
Boulevard, Roads, and Avenues—Maintenance.....	32,200 00	31,385 01	746 25	68 74	46,000 00	5,354 37	40,645 63	31 91
Boulevard, Roads, and Avenues—Maintenance—Salaries.....	3,400 00	3,367 24	.....	32 76	4,000 00	481 77	3,518 23	.....
Bridge across Fourth avenue at One Hundred and Sixteenth street.....	12,500 00	2,821 41	5,626 33	4,052 26	.....	.....	.....	.....
Contingencies—Department of Public Works.....	2,000 00	1,903 59	70 95	25 46	2,500 00	147 19	2,352 81	71 05
Croton Water-main Fund—From Taxation.....	150,000 00	34,118 62	37,754 97	78,126 41	.....	350 00	2,150 00	.....
Expense of Altering Map of City west of Eighth avenue.....	1,700 00	1,338 97	249 07	120 96	.....	.....	75,500 00	.....
Expense of Laying 4-foot Croton Mains, etc.....	.....	.....	.....	.....	75,500 00	.....	.....	.....
Flagging Sidewalks and Fencing Vacant Lots, etc.....	1,000 00	992 77	.....	7 23	2,000 00	.....	2,000 00	18 01
Expenses of Grading, Paving, etc., Fort Gansevoort Property.....	25,000 00	22,835 53	.....	2,164 47	.....	.....	.....	.....
Expense of Providing a Supply of Water for Twenty-fourth Ward.....	12,500 00	.....	7,464 74	5,035 26	.....	.....	.....	.....
Free Floating Baths.....	2,150 00	1,656 65	470 00	23 35	9,850 00	.....	9,850 00	12 72
Free Floating Baths—Additional.....	4,446 82	4,431 59	.....	15 23	.....	.....	.....	.....
Free Floating Baths—Battery.....	9,400 00	9,280 24	80 00	39 76	.....	.....	.....	.....
Free Floating Baths—Foot of East Seventeenth street.....	7,800 00	7,163 73	16 00	620 27	.....	.....	.....	.....
Free Floating Baths—Salaries.....	11,000 00	10,928 94	.....	71 06	17,150 00	450 00	16,700 00	.....
Janitors—Civil and Police Courts—Salaries.....	9,600 00	3,600 00	6,000 00	.....	1,600 00	.....	.....	.....
Lamps and Gas.....	483,000 00	445,734 83	37,176 82	88 35	496,000 00	81,313 45	414,686 55	8 03
Lamps and Gas—Salaries.....	5,700 00	5,672 00	.....	28 00	6,000 00	996 00	5,004 00	.....
Laying Croton Pipes.....	28,700 00	26,675 08	2,022 14	2 26	250,000 00	5,624 56	244,375 44	.....
Public Buildings—Construction and Repairs—Salaries.....	2,000 00	1,947 12	.....	52 88	35,000 00	6,027 69	28,972 31	73 48
Public Drinking-hydrants.....	4,200 00	3,995 62	203 53	85	.....	546 87	4,453 13	78
Removing Obstructions in Streets and Avenues.....	1,500 00	1,500 00	.....	.....	3,000 00	704 15	2,295 85	1 77
Removing Obstructions in Streets and Avenues—Salaries.....	2,000 00	1,999 32	.....	68	2,000 00	336 66	1,663 34	.....
Repairing and Renewal of Pipes, Stop-cocks, etc.....	73,000 00	72,505 01	282 78	212 21	75,000 00	19,460 78	55,539 22	8 95
Repairing and Renewal of Pipes, Stop-cocks, etc.—Salaries.....	25,000 00	24,857 45	.....	142 55	29,000 00	5,456 32	23,543 68	.....
Repairs and Renewal of Pavements.....	159,800 00	159,654 34	108 00	37 66	150,000 00	4,982 41	145,017 59	212 78
Repaving under Chapter 476, Laws of 1875.....	.....	.....	.....	.....	.....	.....	.....	8,494 99
Repaving under Chapter 476, Laws of 1875—Salaries.....	5,700 00	5,505 45	.....	194 55	.....	.....	.....	.....
Repaving Streets and Avenues under Chapter 476, Laws of 1875.....	298,000 00	172,375 08	21,708 52	103,916 40	300,000 00	1,021 91	298,978 09	.....
Repaving Streets and Avenues under Chapter 476, Laws of 1875—Salaries.....	.....	.....	.....	.....	6,000 00	654 32	5,345 68	.....
Roads and Avenues and Sprinkling.....	18,000 00	17,764 48	235 45	07	22,000 00	1,650 78	20,349 22	11 58
Roads and Avenues—Maintenance and Sprinkling.....	.....	.....	.....	.....	92,000 00	22,167 20	69,832 80	85 57
Salaries—Department of Public Works.....	53,200 00	52,335 32	814 44	50 24	53,200 00	10,745 28	42,454 72	66 59
Sewers—Repairing and Cleaning.....	9,300 00	9,298 21	.....	1 79	11,800 00	1,978 83	9,821 17	.....
Sewerage System—Salaries.....	4,700 00	4,699 73	.....	27	15,000 00	1,901 84	13,098 16	.....
Street Improvements—For Surveying, etc.....	300 00	273 66	.....	26 34	3,000 00	.....	3,000 00	72 00
Supplies for and Cleaning Public Offices.....	65,734 00	64,074 03	1,561 27	68 70	65,000 00	12,759 45	52,240 55	42 96
Supplies for and Cleaning Public Offices—Salaries.....	15,816 00	15,730 66	.....	85 34	15,600 00	2,753 30	12,846 70	.....
Supplying Water to Shipping, etc.—Salaries.....	8,000 00	7,989 04	.....	10 96	8,000 00	1,349 00	6,651 00	10 00
Wells and Pumps—Repairing and Cleaning.....	300 00	186 16	.....	113 84	500 00	.....	500 00	41 36
Water Supply for the Twenty-fourth Ward.....	.....	.....	.....	.....	12,500 00	1,909 89	10,590 11	.....
	\$1,766,406 82	\$1,445,645 22	\$124,998 12	\$195,763 48	\$2,051,200 00	\$210,446 37	\$1,840,753 63	\$9,268 75



TRUST ACCOUNTS.	Amounts authorized by Board of Estimate and Appropriation.	Amounts called for by Commissioner of Public Works.	Amounts expended to January 1, 1880.	Amounts to Credit, January 1, 1880.	Amounts of Requisitions, First Quarter, 1880.	Amounts to Credit, April 1, 1880.
Croton Water Fund.....	\$1,310,000 00	\$1,460,000 00	\$1,331,453 87	\$128,546 13	\$10,079 76	\$118,466 37
Croton Water-main Fund.....	3,750,000 00	3,750,000 00	3,713,489 83	36,510 17	9,737 02	26,773 15
Croton Water-main Fund No. 2.....	1,500,000 00	1,500,000 00	1,370,387 04	129,612 96	46,275 81	83,337 15
Street Improvements above Fifty-ninth street.....					4,388 31	
Street Improvement Fund.....					57,470 98	
Meter Stock.....	25,000 00	25,000 00	14,806 02	10,193 98	8,220 62	1,973 36

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

## Document "C."

A Statement in detail of Expenditures, for which Requisitions were drawn by the Department of Public Works, during the Quarter ending March 31, 1880.

## APPROPRIATIONS.

Aqueduct—Repairs, Maintenance and Strengthening—	
Building stone.....	\$154 00
Coal and wood.....	2,093 25
Horse feed.....	16 00
Lumber.....	354 00
Oil.....	336 20
Pay-rolls, Laborers, etc.....	9,389 38
Real estate.....	500 00
Supplies.....	194 90
Taxes.....	2,391 30
Total.....	\$15,429 03
Aqueduct—Repairs and Maintenance (Salaries)—	
Pay-rolls, Engineers, etc.....	\$2,293 32
Aqueduct—Repairs and Maintenance, for 1879—	
Building stone.....	\$119 25
Cement.....	68 40
Grate bars.....	200 00
Manure.....	150 00
Repairing tools.....	62 26
Supplies.....	48 96
Taxes.....	1,586 51
Traveling expenses.....	180 48
Total.....	\$2,415 86
Boulevard, Roads and Avenues, Maintenance of—	
Broken stone.....	\$412 07
Coal.....	20 00
Horse feed.....	85 67
Iron.....	163 87
Oil, etc.....	97 60
Paint.....	61 23
Pay-rolls, Laborers, etc.....	4,306 11
Repairing tools.....	16 30
Rubber hose.....	191 52
Total.....	\$5,354 37
Boulevard, Roads and Avenues, Maintenance of, also for incidental surveys (Salaries)—	
Pay-rolls, Engineers, etc.....	\$481 77
Boulevard, Roads and Avenues—Maintenance, for 1879—	
Gravel.....	\$202 44
Horsekeeping.....	9 50
Office rent.....	162 50
Pay-rolls, Laborers, etc.....	185 31
Repairing tools.....	19 90
Rolling Fifth avenue.....	39 00
Screenings.....	127 60
Total.....	\$746 25
Bridge across Fourth avenue, at One Hundred and Sixteenth street—	
Building bridge.....	\$5,499 00
Pay-rolls, Engineer, etc.....	127 33
Total.....	\$5,626 33
Contingencies—Department of Public Works—	
Traveling expenses.....	\$147 19
Contingencies—Department of Public Works, for 1879—	
Traveling expenses.....	\$70 95
Croton Water-main Fund—Taxation for 1879—	
Cast-iron pipe.....	\$24,713 71
Laying mains in Sixth avenue, etc.....	2,483 29
Laying mains in One Hundred and Fifty first street, etc.....	8,410 43
Pay-rolls.....	226 90
Stop-cocks, hydrants, etc.....	1,884 28
Traveling expenses.....	36 36
Total.....	\$37,754 97
Expense of altering Map of City, between One Hundred and Forty-fifth and One Hundred and Fifty-fifth streets, west of Eighth avenue—	
Pay-rolls, Engineers.....	\$350 00
Expense of altering Map, etc., for 1879—	
Granite monuments.....	\$80 00
Pay-rolls, Engineers, etc.....	160 07
Total.....	\$240 07
Free Floating Baths—For Salaries—	
Pay-rolls, Warchmen.....	\$450 00
Free Floating Baths, for 1879—	
Storing baths.....	\$470 00
Storing Battery bath.....	80 00
Storing East Seventeenth street bath.....	16 00
Total.....	\$566 00

## Expense of Providing Supply of Water to Twenty-fourth Ward—

Cast-iron pipe.....	\$945 67
Hydrant boxes.....	44 50
Hydrants and waste-cocks.....	352 50
Stop-cocks, etc.....	423 22
Water.....	144 00
Total.....	\$1,909 89

## Expense of Supplying Water to Twenty-fourth Ward, for 1879—

Cast-iron pipe.....	\$7,464 74
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## Lamps and Gas—

Crossheads.....	\$180 00
Glass street-signs.....	570 00
Lamps.....	2,055 92
Lamp-chimneys, etc.....	7 69
Lamp-globes.....	47 50
Lamp-irons.....	162 18
Lamp-posts.....	970 00
Lamp-reflectors.....	475 00
Lighting Armory, Battery B, Artillery.....	1 26
“ “ “ K, Cavalry.....	3 30
“ “ “ Separate Troop A.....	26 55
“ “ “ “ B.....	23 10
“ “ “ 3d Regiment.....	45 53
“ “ “ 5th.....	38 17
“ “ “ 7th.....	112 42
“ “ “ 8th.....	28 12
“ “ “ 9th.....	188 02
“ “ “ 11th.....	24 22
“ “ “ 12th.....	67 51
“ “ “ 22d.....	162 37
“ “ “ 69th.....	36 38
“ “ “ 71st.....	45 66
“ “ “ Brown Stone Building.....	27 16
“ “ “ City Hall.....	312 20
“ “ “ County Jail.....	164 02
Lighting Court, Marine.....	4 76
“ “ “ Special Sessions.....	42
“ “ “ Civil, 2d District.....	12 60
“ “ “ 4th.....	91
“ “ “ 5th.....	1 95
“ “ “ 6th.....	52
“ “ “ 8th.....	1 73
“ “ “ 9th.....	1 12
“ “ “ Police, 1st District.....	120 68
“ “ “ “ 2d.....	31 73
“ “ “ “ 3d.....	26 69
“ “ “ “ 4th.....	14 46
“ “ “ “ 5th.....	12 13
“ “ “ Court-house, 3d District (Clock).....	97 72
“ “ “ New.....	606 90
“ “ “ Department of Buildings.....	3 15
“ “ “ Engine-house, High Bridge.....	51 25
“ “ “ Market, Catharine.....	29 40
“ “ “ Centre.....	102 68
“ “ “ Clinton.....	28 95
“ “ “ Essex.....	31 49
“ “ “ Fulton.....	271 74
“ “ “ Jefferson.....	36 53
“ “ “ Tompkins.....	70 95
“ “ “ Union.....	7 35
“ “ “ Washington.....	310 10
“ “ “ Office Collector Arrears Personal Taxes.....	7 14
“ “ “ Corporation Attorney.....	28 00
“ “ “ Engineers, Eighth avenue and One Hundred and Twenty-fifth st.....	38
“ “ “ Receiver of Taxes.....	125 86
“ “ “ Photometrical Rooms.....	26 36
“ “ “ Rivington Street Yard.....	1 72
“ “ “ South Gate-house.....	7 37
“ “ “ Streets and Parks, Central Gas-light Co.....	13,127 68
“ “ “ “ Harlem.....	13,845 13
“ “ “ “ Manhattan.....	13,734 67
“ “ “ “ Metropolitan.....	13,191 45
“ “ “ “ New York.....	7,354 24
“ “ “ “ N. Y. Mutual.....	2,749 16
“ “ “ “ Northern.....	8,780 84
“ “ “ “ Yonkers.....	375 00
Oil.....	14 80
Pay-rolls, Lighters.....	220 00
Repairing crossheads.....	20 00
Repairing maps.....	9 80
Wooden knobs.....	41 66
Total.....	\$81,313 45

## Lamps and Gas (Salaries)—

Pay-rolls, Inspectors, etc.....	\$996 00
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## Lamps and Gas, for 1879—

Lighting Streets and Parks, Central Gas-light Co.....	\$6,778 18
“ “ “ Harlem.....	6,982 15
“ “ “ Manhattan.....	6,898 67
“ “ “ Metropolitan.....	6,499 79
“ “ “ New York.....	3,607 33
“ “ “ N. Y. Mutual.....	1,303 06
“ “ “ Northern.....	4,416 42
“ “ “ Yonkers.....	180 00
Office rent.....	162 50
Oil.....	6 12
Traveling expenses.....	77 70
Lamp-posts.....	264 00
Total.....	\$37,176 82



Laying Croton Pipes—	
Hydrants .....	\$1,320 00
Pay-rolls, Laborers, etc. ....	4,304 56
Total .....	\$5,624 56
Janitors, Civil and Police Courts (Salaries)—	
Pay-rolls .....	\$1,600 00
Janitors, Civil and Police Courts (Salaries), for 1879—	
Pay-rolls .....	\$6,000 00
Public Buildings—Construction and Repairs—	
Armory, 8th Regiment .....	\$770 00
Board of Aldermen .....	11 25
Brown Stone Building .....	136 03
Bureau Repairs and Supplies (Stock) .....	430 60
City Hall .....	493 75
County Jail .....	912 76
Court, Civil, 8th District .....	2 90
“ “ 9th “ .....	10 15
“ “ Police, 3d District .....	5 25
Court-house, 3d District .....	289 76
“ “ 7th “ .....	96 82
“ “ 9th “ .....	19 05
“ “ New .....	1,582 17
Department of Buildings .....	38 12
Dispensary Building .....	4 11
Market, Centre .....	150 73
“ Gansevoort .....	218 00
“ Jefferson .....	11 37
“ Washington .....	383 00
No. 520 West Twenty-fourth street .....	78 40
Office of Register .....	77 47
Pay-rolls, Carpenters .....	306 00
Total .....	\$6,027 69
Public Buildings—Construction and Repairs, for 1879—	
Brown Stone Building .....	\$19 43
Bureau Repairs and Supplies .....	428 26
City Hall .....	320 85
Court-house, 3d District .....	35 01
“ “ New .....	876 22
Market, Clinton .....	130 03
“ Essex .....	145 95
“ Jefferson .....	23 12
“ Tompkins .....	28 04
“ Washington .....	15 23
Total .....	\$2,022 14
Public Drinking Hydrants—	
Repairing hydrants .....	\$546 87
Public Drinking Hydrants, for 1879—	
Repairing hydrants .....	\$203 53
Removing Obstructions in Streets and Avenues—	
Caring and labor .....	704 15
Removing Obstructions in Streets and Avenues (Salaries)—	
Pay-rolls, Inspectors .....	\$336 66
Repairing and Renewal of Pipes, Stop-cocks, etc.—	
Cement .....	\$46 00
Coal .....	67 25
Hardware .....	73 26
Hydrant boxes, etc. ....	2,236 04
Lead .....	651 75
Lumber .....	924 88
Pay-rolls, Laborers, etc. ....	13,102 96
Pipe yarn .....	143 75
Repairing floor .....	129 50
Spikes .....	39 50
Stop-cock boxes, etc. ....	854 50
Stuffing boxes, etc. ....	53 00
Tallow .....	52 08
Tapping cocks .....	975 00
Tools .....	111 31
Total .....	\$19,460 78
Repairing and Renewal of Pipes, Stop-cocks, etc. (Salaries)—	
Pay-rolls, Inspectors, etc. ....	\$5,456 32
Repairing and Renewal of Pipes, Stop-cocks, etc., for 1879—	
Labor .....	\$6 00
Lumber .....	55 73
Repairing harness .....	50 65
“ wagons .....	113 00
Traveling expenses .....	57 40
Total .....	\$282 78
Repairs and Renewal of Pavements—	
Building stone, (Bridge) .....	\$646 14
Broken stone .....	257 57
Pay-rolls, Laborers, etc. ....	3,887 00
Repairing tools .....	191 70
Total .....	\$4,982 41
Repairs and Renewal of Pavements, for 1879—	
Cement .....	\$28 00
Tools .....	80 00
Total .....	\$108 00
Repaving Streets and Avenues, Chapter 476, Laws 1875—	
Pay-rolls, Laborers, etc. ....	\$759 41
Sand .....	262 50
Total .....	\$1,021 91
Repaving Streets and Avenues (Salaries)—	
Pay-rolls, Engineers, etc. ....	\$654 32
Repaving under Chapter 476, for 1879—	
Pay-rolls, Laborers, etc. ....	\$3,181 17
Repairing tools .....	89 00
Repaving Twenty-fourth street and First avenue .....	9,128 70
“ “ Fifty-sixth and Fifty-eighth streets .....	6,973 40
“ “ Tenth avenue, between Thirty-first and Forty-second streets .....	1,111 25
Sand .....	1,225 00
Total .....	\$21,708 52

Roads and Avenues, Sprinkling, etc.—	
Pay-rolls, Laborers .....	\$1,650 78
Roads and Avenues and Sprinkling, for 1879—	
Pay-rolls, Laborers, etc. ....	\$235 45
Salaries—Department of Public Works—	
Pay-rolls, Officers, etc. ....	\$22,167 20
Sewers—Repairing and Cleaning—	
Atlas .....	\$15 00
Brick and cement .....	106 50
Cleaning basins and culverts .....	1,600 00
Horsekeeping .....	56 00
Manhole heads and covers .....	1,179 58
Pay-rolls, Laborers, etc. ....	5,132 90
Rebuilding sewers .....	970 70
Removing basin-head .....	7 00
Repairing sewers .....	1,513 29
Tools .....	55 05
Traveling expenses .....	109 26
Total .....	\$10,745 28
Sewers—Repairing and Cleaning (Salaries)—	
Pay-rolls, Inspectors, etc. ....	\$1,978 83
Sewers—Repairing and Cleaning, for 1879—	
Cleaning basins and culverts .....	\$700 00
Horsekeeping .....	28 00
Repairing wagon .....	23 00
Traveling expenses .....	63 44
Total .....	\$814 44
Sewerage System (Salaries)—	
Pay-rolls, Engineers, etc. ....	\$1,901 84
Supplies for and Cleaning Public Offices—	
Armory, Battery K .....	\$50 00
“ “ E, Gattling .....	49 60
“ “ Troop A .....	49 60
“ “ 5th Regiment .....	32 25
“ “ 7th “ .....	130 20
“ “ 8th “ .....	69 40
“ “ 9th “ .....	14 50
“ “ 11th “ .....	5 00
“ “ 22d “ .....	134 00
“ “ 71st “ .....	60 00
Board of Aldermen .....	52 35
Brown Stone Building .....	235 55
Bureau Repairs and Supplies .....	1,012 71
City Hall .....	621 00
Court, Civil, 1st District .....	103 25
“ “ 4th “ .....	2 40
“ “ 5th “ .....	38 15
“ “ 6th “ .....	15 00
“ “ 7th “ .....	87 67
“ “ 8th “ .....	82 70
“ “ 9th “ .....	71 00
Court, Police, 1st “ .....	60 00
“ “ 3d “ .....	88 60
“ “ 4th “ .....	50 58
“ “ 5th “ .....	113 25
“ “ 6th “ .....	2 50
Court Common Pleas .....	130 30
Court General Sessions .....	65 00
“ Marine .....	41 50
“ Special Sessions .....	89 45
“ Superior .....	80 42
Court-house, New .....	966 40
“ “ 3d District .....	312 11
“ “ 7th “ .....	164 50
Department of Buildings .....	57 00
“ Finance .....	92 25
“ Public Works .....	360 44
“ Taxes and Assessments .....	12 00
No. 49 Beekman street .....	5 00
No. 27 Chambers street .....	74 30
Office of City Record .....	12 00
“ Commissioners of Jurors .....	38 00
“ Corporation Attorney .....	87 07
“ “ Counsel .....	60 96
“ District Attorney .....	14 25
“ County Clerk .....	172 86
“ Mayor .....	12 00
“ Public Administrator .....	14 10
“ Sheriff .....	23 00
“ Surrogate .....	63 94
Rivington Street Yard .....	22 00
Pay-rolls, Cleaners, etc. ....	6,557 34
Total .....	\$12,759 45
Supplies for and Cleaning Public Offices (Salaries)—	
Pay-rolls, Janitors, etc. ....	\$2,753 30
Supplies for and Cleaning Public Offices for 1879—	
Armory, Battery K .....	\$31 96
“ “ 9th Regiment .....	141 50
“ “ 22d “ .....	3 85
“ “ 71st “ .....	50 56
Brown Stone Building .....	69 35
Bureau Repairs and Supplies .....	14 90
City Hall .....	200 23
City Prison .....	40 89
Court, Civil, 1st District .....	7 80
“ “ 2d “ .....	1 27
“ “ 4th “ .....	91 27
“ “ 5th “ .....	4 01
“ “ 6th “ .....	22 58
Court, Police, 3d “ .....	2 56
“ “ 5th “ .....	21 50
Court Special Sessions .....	22 14
Court-house, New .....	24 82
“ “ 7th District .....	12 00
“ “ 9th “ .....	1 60
“ “ 10th “ .....	40 00
Department of Buildings .....	2 25
“ Finance .....	170 86
“ Public Works .....	7 28
“ Taxes and Assessments .....	2 50
Dispensary Building .....	325 00
No. 49 Beekman street .....	4 42
No. 27 Chambers street .....	41 27
Office City Record .....	18 10
“ Surrogate .....	225 00
Total .....	\$1,561 27











## SUPPLYING WATER TO THE TWENTY-FOURTH WARD.

The contract for the pipes for this work has been completed and the pipes delivered. The work on the contract for laying the same has been commenced and will be carried on as fast as the weather will permit.

## BRIDGE ACROSS FOURTH AVENUE AT ONE HUNDRED AND SIXTEENTH STREET.

On account of the weather, the masonry on this work has been suspended for two months; the iron and wood work on the bridge has been delivered and put in place.

The contractor commenced work on the masonry on the 8th of March, and has progressed as fast as the weather would permit.

The inspection of the pipes along the wharves, piers, and bulkheads, and of the use of water along the river fronts and for building purposes has been continued.

During the quarter there have been issued—

Permits for engines on wharves, amounting to..... \$21 65  
“ shipping, amounting to..... 8,267 71  
“ building purposes, amounting to..... 2,776 00  
“ water measured by meters, amounting to..... 18,997 60

Total..... \$30,062 96

The examinations of buildings has been continued, and Exhibit “A” shows the number of leaks found during the quarter and the number of houses where the water pipes in same are not properly protected from frost.

The placing of meters on hotels, breweries, slaughter-houses, stables and other places has been continued as fast as the weather would permit.

Number of meters placed during the quarter..... 414

“ “ now in use..... 1,812

## USE OF WATER.

Owing to the extreme warm winter and the stoppage of waste in stables, hotels, breweries, etc., we have been able to increase the water in the reservoirs in Central Park two feet, gaining on Sundays and rainy days during the past quarter.

From the best data obtained, we have saved by the increased use of meters the amount of the increased consumption of water by railroads, new buildings, manufactories, etc., during the year 1879.

The use of meters shows that what one considers waste and saves another keeps on using and is willing to pay for it; so that the question of where necessary use ends and waste commences is far from being settled, and that the quantity of 30 gallons per day per capita will not obtain in this city, but will be at least 100 gallons per day per capita when the supply is sufficient to reach the top stories of all buildings.

Respectfully yours,

G. W. BIRDSALL,

Chief Engineer of the Croton Aqueduct.

## Report of Examinations made by Inspectors relative to Leaky Fixtures and Waste of Water from January 1 to March 31, 1880.

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 OR LEAKING.
			Leak.	Waste.	Leak.	Waste.	Leak.	Waste.	
Thirteenth.....	445	18	24	..	..	..	..	..	4
Fourteenth.....	282	4	11	..	..	7	..	..	..
Fifteenth.....	330	5	3	..	..	5	1	..	..
Sixteenth.....	907	287	17	23	38	13	68	..	..
Seventeenth.....	925	142	128	1	12	..	..	..	3
Eighteenth.....	1,055	200	90	130	20	22	1	10	1
Nineteenth.....	1,263	116	120	..	9	..	..	..	..
Twentieth.....	1,042	82	35	3	1	..	..	..	..
Twenty-first.....	1,002	270	26	77	50	1	4	3	..
Twenty-second.....	1,156	246	216	..	9	15	7	..	3
Twenty-third.....	1,290	103	104	22	7	2	..	..	..
Twenty-fourth.....	978	304	186	12	63	21	..	21	..
Total.....	10,675	1,774	1,511	200	166	196	54	89	34

## Document “F.”

DEPARTMENT OF PUBLIC WORKS,  
WATER PURVEYOR'S OFFICE, ROOM 4, CITY HALL,  
NEW YORK, April 12, 1880.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—I have the honor to submit the following report of the transactions of this bureau for the months of January, February, and March of the present year.

## REPAIRING PIPES, STOP-COCKS, ETC.

The three companies employed in this work have kept in repair the pipes, stop-cocks, and fire hydrants throughout the city. No breaks along the line of pipes have occurred, which have caused serious inconvenience to the public, and all complaints have been promptly met.

## REPAIRS AND RENEWAL OF PAVEMENTS.

Very little work has been done in the way of repairing pavements during the quarter, but all dangerous places have received immediate attention. The little frost of the past winter has left the pavements in better condition than they usually are at this season of the year, which will be of some advantage in the work of repairs the coming season. The activity of this bureau in the work under this head will be only circumscribed by the amount of the fund appropriated. A small injury to a pavement becomes a very serious matter after ending a season travel, and it is the greatest wisdom to keep the repairs up to date. With this end in view, it is intended to distribute the repair forces in small parties over as great a territory as practicable during the coming season. Thus the streets may be kept in fair to good order, the greater number of our pavements being too light and too constantly cut for repairs of water-mains, sewers, etc, to be even thoroughly creditable to a city like New York.

## Statement of Works in Progress in Bureau of Street Improvements on the 31st day of March, 1880.

LOCATION OF WORK.	CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
Regulating, Grading, Curb, Gutter, and Flagging—									
Madison avenue, Ninety-ninth street to One Hundred and Fifth street.....	John Slattery.....	F. M. Leonard.....	John Skelly.....	400 days.	\$47,205 13	\$37,800 00	\$11,340 00	\$26,460 00	
Sixty-sixth street, Eighth avenue to Boulevard.....	John Mulholland.....	“	M. B. Silkman.....	300 “	14,372 76	3,057 00	917 10	2,139 90	
Sixty-eighth street, Third avenue to East river.....	John Slattery.....	W. V. Smith.....	Not yet appointed.....	30 “	1,572 00	.....	.....	.....	Work suspended.
Seventieth street, Eighth avenue to Tenth avenue.....	John Brady.....	M. Lovell.....	J. J. Fitzgerald.....	300 “	18,305 00	2,000 00	600 00	1,400 00	
Seventy-third street, Third avenue to East river.....	Patrick Farley.....	W. V. Smith.....	Wm. Hayes.....	300 “	40,237 00	3,257 00	977 10	2,279 90	
Eighty-first street, Eighth avenue to Ninth avenue.....	J. F. Gallagher.....	“	Suspended.....	100 “	2,671 00	.....	.....	.....	“
Ninety-fifth street, Lexington to Fifth avenue.....	James Williams.....	F. E. Towle.....	E. Roach.....	100 “	7,114 50	.....	.....	.....	“
One Hundred and Second street, Fifth avenue and Harlem river.....	Joseph Walsh.....	W. V. Smith.....	Suspended.....	400 “	42,421 00	20,500 00	8,850 00	20,550 00	“
One Hundred and Third street, First avenue to Fifth avenue.....	J. C. Dowling.....	“	W. F. McManus.....	600 “	29,360 00	26,393 50	7,918 05	18,475 45	“
Flagging—									
West side Fourth avenue, Sixty-first street to Sixty-fifth street.....	Edward Dwyer.....	J. E. Eustis.....	“	5 “	1,239 50	.....	.....	.....	“
Special Contracts.									
Curb, Gutter, Flagging, and Fencing Vacant Lots—									
Seventy-sixth street, Fourth avenue to Madison avenue.....	John Mulholland.....	M. A. Kellogg.....	“	20 “	604 10	.....	.....	.....	“
South side Seventieth street, Fifth avenue to Madison avenue.....	Thomas Pearson.....	Maclay & Davis.....	“	20 “	75 60	.....	.....	.....	“
East side Fourth avenue, Sixty-second street to Sixty-fifth street.....	John Mulholland.....	J. E. Eustis.....	“	20 “	601 64	.....	.....	.....	“
East side Eighth avenue, One Hundred and Tenth street to One Hundred and Fifteenth street.....	Gilbert Palmer.....	“	“	20 “	251 20	.....	.....	.....	“
West side Eighth avenue, One Hundred and Seventh street to One Hundred and Fifteenth street.....	“	“	“	20 “	641 87	.....	.....	.....	“
One Hundred and Tenth street, Seventh avenue to Ninth avenue.....	“	“	“	20 “	606 12	.....	.....	.....	“
Boulevards and Avenues—									
Eleventh avenue, One Hundred and Fifty-fifth street to Kingsbridge road.....	Michael Noonan.....	J. K. Choate.....	J. L. Florence.....	300 “	65,523 20	33,040 65	9,912 19	23,128 46	
Retaining Walls, Arch at—									
Forty-second street, First avenue to Second avenue.....	Edward Freel.....	M. Betts.....	R. Ellis.....	100 “	30,834 00	13,847 60	4,154 28	9,693 32	
Total.....					\$303,635 62	\$148,895 75	\$44,668 72	\$104,227 03	

## BOULEVARDS, ROADS AND AVENUES, MAINTENANCE OF.

Mr. Joseph H. Choate, Assistant Engineer in Charge, makes report of the work under this head and to which report I respectfully refer you.

## PUBLIC DRINKING HYDRANTS.

Such repairs as were necessary to the small hydrants supplying water to families in the uptown portion of the city were done during the quarter. The water has been turned on in the hydrants for man and beast and the repairs required have been made.

## PLACING LARGE FIRE HYDRANTS.

This work has been carried on during the quarter, and many hydrants have been placed where required by the Fire Department.

Number of men employed under charge of Bureau of Water Purveyor during the months of January, February, and March, 1880, paid from different appropriations, with amounts of pay rolls:

1880.	REPAIRS AND RENEWAL OF PAVEMENTS.		CROTON WATER MAIN FUND, No. 1.		REPAIRING AND RENEWAL OF PIPES, STOP-COCKS, ETC.		REPAIRING STREETS AND AVENUES UNDER CHAPTER 476, LAWS OF 1875.	
	No. Men.		No. Men.		No. Men.		No. of Men.	
January.....	49	\$2,011 26	140	\$5,983 80	74	\$4,197 15	30	\$759 41
February.....	57	1,267 24	108	2,445 98	75	4,047 07	..	.....
March.....	46	1,409 40	87	2,651 66	78	4,424 93	..	.....
Totals.....	152	\$4,747 90	335	\$11,081 44	227	\$12,669 15	30	\$759 41

## RECAPITULATION.

Repairs and Renewal of Pavements.....	\$4,747 90
Croton Water-main Fund, No 1.....	11,081 44
Repairing and Renewal of Pipes, Stop-cocks, etc. ....	12,669 15
Repairing Streets and Avenues under chapter 476, Laws of 1875.....	759 41
Total.....	\$29,257 90

The number of vault permits issued during the quarter was twenty-one (21), for which was received four thousand four hundred and six and 15-100 dollars (\$4,406.15).

Respectfully,

DANIEL O'REILLY, Water Purveyor.

## Document “G.”

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF STREET IMPROVEMENTS,  
NEW YORK, April 14, 1880.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—In compliance with your instructions, I beg to hand you herewith a report of the transactions of the Bureau of Street Improvements, for the quarter ending March 31, 1880.

Respectfully,

GEO. A. JEREMIAH,  
Superintendent of Street Improvements.

## APPROPRIATIONS.

Street Improvements—For Street Signs, Monumenting, and Numbering of Streets.....	\$3,000 00
Liabilities.....	52 00
Balance.....	\$2,948 00
Flagging Sidewalks and Fencing Vacant Lots in front of City Property.....	\$2,000 00
Liabilities.....	1,153 00
Balance.....	\$847 00

## Statement showing the amount of Work done during January, February, and March, 1880.

Rock excavation, cubic yards.....	5,800
Filling furnished, cubic yards.....	22,531
Curb-stones set, lineal feet.....	1,073
Flagging laid, square feet.....	220
Fence built, lineal feet.....	1,564 1/2
12-in. vitrified pipe laid, lineal feet.....	20
Manhole built.....	1
Receiving-basin built.....	1

## AMOUNT OF VOUCHERS DRAWN.

On account of regulating, grading, etc.....	\$8,097 66
“ boulevards and avenues.....	4,965 27
“ salaries, Department of Public Works.....	123 20
Total.....	\$13,186 13

## WORKS COMPLETED.

Regulating and Grading—	
One Hundred and Sixth street, from Madison to Fourth avenue.....	\$4,285 77
Fencing Vacant Lots—	
On block bounded by Fifth and Madison avenues, Seventy-ninth and Eightieth streets.....	\$145 76
Northeast corner Eighty-sixth street and Avenue A.....	82 32
Seventy-seventh street, from Fourth to Fifth avenue.....	367 10
Total.....	\$4,880 95







Document "K."

CITY OF NEW YORK—DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF REPAIRS AND SUPPLIES,  
SUPERINTENDENT'S OFFICE, CITY HALL, ROOM 18,  
NEW YORK, April 12, 1880.

ALLAN CAMPBELL, Esq., Commissioner of Public Works :

SIR—In compliance with your request, I submit a report of the transactions of this bureau for the three months ending March 31, 1880.

The work of the bureau was as usual—supplying fuel, furniture, etc., and making repairs. The principal items were, repairing furnaces in Hall of Records, cutting down partitions, and replacing them with wire railings, repairing bookcases, shelves, etc., and painting in County Clerk's office, repairing, plumbing and painting and whitewashing in County Jail, and making it more secure with iron guards, etc.; rebuilding a tool house at Farmers' Market; replanking part of roadway in West Washington Market; painting, laying new floor and furnishing new carpet in office of Water Purveyor; building gun-cases, etc., for Eighth Regiment, and closets and wash-basins for Ninth Regiment, etc.

The Free Floating Baths are being put in repair.

Respectfully,

THOMAS KEECH,  
Superintendent Repairs and Supplies.

Document "L."

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF INCUMBRANCES, ROOM 13 CITY HALL,  
NEW YORK, April 8, 1880.

Hon. ALLAN CAMPBELL, Commissioner of Public Works :

SIR—I submit herewith a report of the operations of this Bureau for the quarter ending March 31, 1880 (months of January, February, and March).

There have been complaints received against obstructions and incumbrances on streets and sidewalks, and an official notice served on the offending party in every case, for the removal or discontinuance of the same. . . . . 1,449  
Number of removals to Corporation Yard or other suitable place of merchandise, stands, trucks, wagons, posts, stones, dirt, etc., etc. . . . . 369  
Expense of such removals (including 883 loads of stone, dirt, rubbish, etc., from various parts of the city) . . . . . \$1,027 80  
Total expenses for the quarter. . . . . 1,543 79

Received for redemption of articles seized . . . . . \$30 25  
—which amount was paid over to the City Chamberlain.  
Number of permits issued for building purposes . . . . . 1,335  
“ permits issued for special purposes . . . . . 123  
“ permits to cut down trees . . . . . 8  
“ notices issued to repair sidewalks . . . . . 200  
“ notices issued to repair vault covers . . . . . 1

The largely increased number of removals during the past quarter is owing to the fact that the Bowery, Chatham streets, Third avenue, and other streets and avenues, had become so encumbered with old awning posts and signs of all descriptions, covering these posts, and hung over and across the sidewalk in all conceivable and possible places, that this Bureau has been busily engaged removing them, and these thoroughfares now present a much improved appearance. It is an encouraging sign, that the owners of this class of obstructions and encumbrances are generally willing and satisfied to discontinue their use, wherever and whenever the law is equally and impartially enforced. The recent decision of the Supreme Court confirming your right to remove any building or structure projecting beyond the house-line and encroaching on the public street, is an important one, and will prevent any farther trespasses of that character, in defiance of right and public benefit.

Respectfully,

JOSEPH BLUMENTHAL,  
Superintendent of Incumbrances.

Document "M."

BUREAU OF WATER REGISTER,  
ROOM NO. 10, CITY HALL,  
NEW YORK, March 31, 1880.

Hon. ALLAN CAMPBELL, Commissioner of Public Works :

SIR—I herewith transmit statement of monies received for water rents, penalties and taps for the quarter ending March 31, 1880 :

	Principal.	Penalties.	Taps.
January . . . . .	\$52,256 90	\$752 85	\$552 50
February . . . . .	18,595 35	556 05	437 00
March . . . . .	34,498 22	586 70	868 50
	<u>\$105,350 47</u>	<u>\$1,895 60</u>	<u>\$1,858 00</u>

Total . . . . . \$109,104 07

Deposited to the credit of Special Meter Stock, as per Chamberlain's receipts :  
January . . . . . \$313 16  
February . . . . . 1,343 45  
March . . . . . 959 51

Total . . . . . \$2,616 12

Respectfully submitted,

J. H. CHAMBERS,  
Water Register.

Weekly Report.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 19, CITY HALL,  
NEW YORK, June 1, 1880.

In accordance with section 110, chapter 335, Laws of 1873, the Department of Public Works makes the following report of its transactions for the week ending May 29, 1880 :

Public Monies Received and Deposited in the City Treasury.

For Croton water rents . . . . .	\$46,670 91
For penalties on Croton water rates . . . . .	65 25
For tapping Croton pipes . . . . .	290 00
For sewer permits . . . . .	413 12
For vault permits . . . . .	796 33
Total . . . . .	<u>\$48,241 61</u>

Public Lamps.

1 new lamp lighted.  
6 lamp-posts removed.  
12 lamp-posts reset.  
57 lamp-posts straightened.  
1 column refitted.  
21 columns released.

Report of Photometrical Examinations of Illuminating Gas, for the week ending May 29, 1880, made at the Photometrical Rooms of the Department of Public Works.

DATE.	TIME.	Thermometer.	Barometer.	GAS COMPANY.	BURNER.	Pressure as Delivered to Burner.	Consumption of Gas, Rate per hour.	Consumption of Candle, Grs. per hour.	ILLUMINATING POWER.	
									Observed.	Corrected.
May 24	4:30 P.M.	82.	30.19	Manhattan . . . .	Empire 5 ft. . . . .	.90	5.00	120.0	20.18	20.18
" 25	4 P.M.	85.	30.12	" . . . . .	" . . . . .	.90	5.00	121.8	19.90	20.20
" 26	4:30 P.M.	87.	30.08	" . . . . .	" . . . . .	.93	5.00	123.0	19.84	20.33
" 27	4:30 P.M.	88.	30.01	" . . . . .	" . . . . .	.93	5.00	121.2	20.22	20.42
" 28	4:30 P.M.	87.	29.93	" . . . . .	" . . . . .	.90	5.00	120.0	20.14	20.14
" 29	2:30 P.M.	85.	30.25	" . . . . .	" . . . . .	.93	5.00	120.6	20.38	20.48
Average.									20.29	20.29
May 24	5:30 P.M.	80.	30.12	Harlem . . . . .	" . . . . .	.86	5.00	120.0	18.90	18.90
" 25	5:30 P.M.	84.	30.06	" . . . . .	" . . . . .	.86	5.00	119.4	19.38	19.28
" 26	6 P.M.	87.	30.01	" . . . . .	" . . . . .	.86	5.00	124.8	18.48	19.22
" 27	5:30 P.M.	88.	29.90	" . . . . .	" . . . . .	.85	5.00	120.0	19.00	19.00
" 28	5:30 P.M.	85.	29.99	" . . . . .	" . . . . .	.82	5.00	126.0	17.20	18.06
" 29	12 M.	82.	30.22	" . . . . .	" . . . . .	.87	5.00	122.4	17.80	18.15
Average.									18.77	18.77
May 24	3 P.M.	80.	30.19	New York . . . . .	Bray's Slit Union, 7	.65	5.00	120.0	25.65	25.65
" 25	3 P.M.	84.	30.12	" . . . . .	" . . . . .	.65	5.00	124.2	23.44	24.26
" 26	3:30 P.M.	86.	30.08	" . . . . .	" . . . . .	.66	5.00	123.0	26.94	27.61
" 27	3:30 P.M.	88.	30.01	" . . . . .	" . . . . .	.64	5.00	123.0	22.84	23.41
" 28	3 P.M.	88.	29.93	" . . . . .	" . . . . .	.62	5.00	124.2	23.34	24.15
" 29	1:30 P.M.	84.	30.25	" . . . . .	" . . . . .	.64	5.00	120.0	24.52	24.52
Average.									24.93	24.93
May 24	4 P.M.	82.	30.19	N. Y. Mutual . . . .	" . . . . .	.68	5.00	123.0	26.10	26.75
" 25	3:30 P.M.	84.	30.12	" . . . . .	" . . . . .	.69	5.00	121.2	26.82	27.08
" 26	4 P.M.	87.	30.08	" . . . . .	" . . . . .	.68	5.00	120.0	25.00	25.00
" 27	4 P.M.	88.	30.01	" . . . . .	" . . . . .	.69	5.00	124.2	25.10	25.98
" 28	4 P.M.	88.	29.93	" . . . . .	" . . . . .	.66	5.00	121.2	26.00	26.26
" 29	2 P.M.	85.	30.25	" . . . . .	" . . . . .	.67	5.00	121.2	26.06	26.32
Average.									26.23	26.23
May 24	1 P.M.	80.	30.19	Municipal . . . . .	" . . . . .	.64	5.00	118.2	29.72	29.27
" 25	2 P.M.	83.	30.12	" . . . . .	" . . . . .	.63	5.00	121.8	27.82	28.24
" 26	2:30 P.M.	86.	30.08	" . . . . .	" . . . . .	.64	5.00	117.6	28.86	28.28
" 27	3 P.M.	87.	30.01	" . . . . .	" . . . . .	.63	5.00	120.0	28.92	28.92
" 28	2:30 P.M.	88.	29.93	" . . . . .	" . . . . .	.63	5.00	124.2	28.10	29.08
" 29	1 P.M.	84.	30.25	" . . . . .	" . . . . .	.63	5.00	121.2	28.86	29.15
Average.									28.82	28.82
May 24	6 P.M.	82.	30.12	Metropolitan . . . .	" No. 6 . . . . .	.66	5.00	120.0	22.30	22.30
" 25	6 P.M.	85.	30.06	" . . . . .	" . . . . .	.66	5.00	114.6	23 62	22.56
" 26	5:30 P.M.	86.	30.01	" . . . . .	" . . . . .	.68	5.00	120.0	21.82	21.82
" 27	6 P.M.	89.	29.90	" . . . . .	" . . . . .	.68	5.00	126.0	20.96	22.01
" 28	6 P.M.	86.	29.99	" . . . . .	" . . . . .	.65	5.00	117.0	21.58	21.04
" 29	11:30 A.M.	81.	30.22	" . . . . .	" . . . . .	.66	5.00	121.2	21.38	21.59
Average.									21.88	21.88

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

Permits Issued.

85 permits to tap Croton pipes.  
161 permits to open streets.  
22 permits to make sewer connections.  
20 permits to repair sewer connections.  
2 permits to construct street vaults.  
174 permits to place building materials on streets.

Removing Obstructions.

Truck from Peck Slip.  
Furniture from 354 E. Tenth street.  
Soda Water Stand from 223 Grand street.  
Ash Box from 145 Cedar street.  
Ash Box from 24 Albany street.  
Ash Box from 74 Barclay street.  
4 Ash Boxes from 1, 2, 140, & 153 Washington street.  
Booth from Pike Slip.  
Booth from Roosevelt Slip.

Repairing Pavements over Croton-mains.

In Fortieth street, between Madison and Sixth avenues.  
In Fifty-eighth street, between Fifth and Sixth avenues.  
In Forty-second street, between Seventh and Eighth avenues.  
In Elizabeth street, between Broome and Grand streets.  
In Madison avenue, between Sixtieth and Sixty-second streets.  
In Third avenue, between Thirty-second and Thirty-third streets.  
In Orchard street, between Delancey and Broome streets.

Repairing Pavements.

In Forty-fifth street, between Sixth and Seventh avenues.  
In Fifty-first street, between Fifth and Sixth avenues.  
In Forty-first street, between Second and Third avenues.  
In Thirtieth street, between Eleventh avenue and North river.  
In Thirty-eighth street, between Eighth and Ninth, and Tenth and Eleventh avenues.  
In Thirty-third street, between Tenth and Eleventh avenues.  
In Lexington avenue, between Fifty-second and Fifty-third streets.  
In Sixty-first street, between Lexington and Third avenues.  
In Fiftieth street, between Eighth and Ninth avenues.  
In Twenty-fifth street, between Eighth and Ninth avenues.  
In Twenty-fourth street, between Eighth and Ninth avenues.  
In Fifth avenue, between Sixteenth and Seventeenth streets.  
In Thirty-sixth street, between Broadway and Seventh avenue.  
In Thirty-third street, between Lexington and Third avenues.  
In Twenty-first street, between Seventh and Eighth avenues.  
In Rivington street, between Suffolk and Attorney streets.



In Prince street, between Bowery and Elizabeth streets.  
 In Division street, between Chrystie and Forsyth streets.  
 In Henry street, between Scammel and Grand streets.  
 In Fifty-second street, between Fifth and Sixth avenues.  
 In Sixteenth street, between Seventh and Eighth avenues.  
 In Second avenue, between Sixth and Seventh streets.  
 In West street, between North Moore and Beach streets.  
 In Washington street, between Twelfth and Bank streets.  
 In Roosevelt street, between Chatham street and New Bowery.  
 In South street, between Dover street and Peck slip.  
 In Fifth street, between Avenues B and C.  
 In Hester street, between Forsyth and Eldridge streets.  
 In Eldridge street, between Houston and Stanton streets.  
 In Division street, at intersection Market street.  
 In West street, between Cortlandt and Dey streets.  
 In Mulberry street, between Houston and Prince streets.  
 In Bowery, between Bayard and Canal streets.

#### Repairing and Cleaning Sewers.

112 receiving-basins and culverts cleaned.  
 700 lineal feet of sewer cleaned.  
 24 lineal feet of spur-pipe laid.  
 1 receiving-basin rebuilt.  
 4 receiving-basins repaired.  
 2 new basin-heads put on.  
 1 basin head reset.  
 4 manholes rebuilt.  
 11 manholes repaired.  
 1 manhole head reset.  
 14 new manhole heads and covers put on.  
 8 cubic yards of earth excavated and refilled.  
 6 square feet of sidewalk relaid.  
 32 square yards of pavement relaid.  
 216 cart-loads of dirt removed.

#### Assessment Lists for Completed Improvements transmitted to the Board of Assessors.

Fencing vacant lots on north and south sides Seventy-second street, between Ninth and Tenth avenues, and on Tenth avenue, Seventy-second to Seventy-third street ..... \$171 13  
 Fencing vacant lots southwest corner One Hundred and Twenty-fifth street and Fifth avenue ..... 118 73  
 Sewer in One Hundred and Thirty-second street, between Seventh avenue and a point 300 feet west of Seventh avenue ..... 1,194 52

#### Contracts entered into.

NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.
Paving { Gold street, from Frankfort to Liberty street. Forty-second st., from Second to Third ave. Twelfth st., from Fifth to Sixth ave. .... }	John Loomam, 436 First avenue. ....	James Everard, 30 West 25th street, Patrick Treacy, 263 West 42d street.

#### Statement of Laboring Force Employed in the Department of Public Works during the Week ending May 29, 1880:

NATURE OF WORK.	MECHANICS.	LABORERS.	TEAMS.	CARTS.
Maintenance of Aqueduct and Reservoirs. ....	22	183	13	..
In Pipe Yard foot of East Twenty-fourth street. ....	2	14	..	..
Laying and repairing pipes, etc. ....	39	148	..	28
Repairing pavements. ....	83	277	..	73
Repairing and cleaning sewers. ....	3	24	..	10
Maintenance and construction of Boulevards and Aves. ....	3	49	22	4
Repairing roads. ....	1	22	6	3
Repaving, under chapter 476, Laws of 1875. ....	..	..	..	..
Total. ....	153	717	41	118
Increase over previous week. ....	6	43	4	1
Decrease from previous week. ....	..	..	..	..

#### Requisitions on the Comptroller.

The total amount of requisitions drawn by the Department on the Comptroller during the week is \$13,445.06.

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

## FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT, CITY OF NEW YORK,  
May 26, 1880.

Present—President Vincent C. King, Commissioners John J. Gorman and Cornelius Van Cott.  
 Affidavits relative to publication of advertisement inviting proposals was read and filed, and approved form of contract submitted.

#### Proposals for Furnishing Forage

—were received, as follows:  
 No. 1. From Horace Ingersoll, for ..... \$5,768 50  
 Filed.  
 No. 2. From John Moonan—Hay, at \$1.00; straw, at \$1.20; oats, at \$1.25; feed, at \$0.70. .... 5,750 00  
 Referred to Comptroller for action upon sureties.  
 No. 3. From F. W. Banks, for ..... 5,762 50  
 No. 4. From R. J. Wright (informal), for ..... 5,594 00  
 Filed.  
 The minutes of the meetings held on 15th, 19th, and 21st instant, were read and approved.

#### Trials.

Fireman William Wogan of Engine Co. No. 7, charged with "violation of General Order No. 8, O. B. C., 1879," and "being under the influence of liquor." Found guilty and fined ten days' pay.  
 Fireman William Bannen of Hook and Ladder Co. No. 9, charged with "absence without leave" (adjourned 12th instant). Found guilty and found five days' pay.  
 Foreman James A. McCormick, of Hook and Ladder Co. No. 19, charged with "being under the influence of liquor." Found not guilty, and charge dismissed.  
 Assistant Foreman Charles J. Williams, of Hook and Ladder Co. No. 16, charged with "conduct unbecoming an officer and a gentleman." Found not guilty, and charge dismissed.

#### Communications.

From—  
 Thomas Donaldson, Manager "The London," complaining of gasoline lamps in front of premises Nos. 235 and 237 Bowery, the Inspector of Combustibles having been directed by the President to take proper action in the matter. Action approved; filed.  
 Comptroller, requesting information relative to cables in use by the Department, reply having been made by the President. Action approved; filed.  
 Chief of Department, recommending that fire-hydrants be placed at locations designated, which had been communicated to the Department of Public Works by the President. Action approved; filed.

Action of the President directing transfers, to take effect 25th instant, was approved, viz.:  
 Assistant Foreman Walter H. Jones, Hook and Ladder Co. No. 13 to Engine Co. No. 16.  
 " Aug. H. Wright, Engine Co. No. 16 to Hook and Ladder Co. No. 13.

Chairman Committee on Repairs and Supplies, returning report of Foreman Engine Co. No. 36, relative to doors, with the information that required work has been done. Filed.  
 Same, returning applications for repairs to quarters of Engine Cos. Nos. 7, 12, 30, and 37, and Hook and Ladder Cos. Nos. 1 and 7, with recommendation. Filed.  
 Chief of Department, returning, approved, application of Foreman W. H. Landers, for full pay while on sick leave. Granted.

Same, returning complaint relative to premises on East Ninety-third street, with report of inspection, as directed. Filed.

Inspector of Combustibles—Reports of licenses and permits issued to 25th instant. Filed.

Same, reporting violations of law. Filed, and following resolution adopted:  
 Resolved, That Waddell & Hedges, 52 Beekman street, be and are hereby fined \$50 for violation of section 8, chapter 742, Laws of 1871; that James Switzer, 1467 First avenue; William Stevenson, 417 East One Hundred and Twenty-first street; Kate Hennig, 180 Avenue A; Catharine Scanlon, 324 East Thirty-third street; Charles Foster, 650 Sixth street; Augustine Delap, 406 West Sixteenth street; Mrs. Corbett, 1460 Avenue A; Thomas Radley, 244 Cherry street; and John Bloomfield, 574 Lexington avenue; be and are hereby fined \$5 each, for violation of section 9, chapter 742, Laws of 1871, and that in each of the above named cases the Inspector of Combustibles be and is directed to enforce the collection of the penalty.

Same, recommending that penalties imposed on following named persons, for violation of section 9, chapter 742, Laws of 1871, be remitted, for reasons assigned, viz.:

Cornelius Murphy, 33 Allen st.	Ellen Pursglove, 249 Mulberry st.
Seba Brinkerhoof, 57 Barrow st.	John Tierney, 152d st., near Morris ave.
Catharine Nolan, 107 E. Broadway.	Ann Watson, 142 Avenue C.
John Crossin, 87 Christopher st.	William Reger, 713 6th st.
James Lawlar, 336 E. 115th st.	Thomas Crump, 227 W. 10th st.
Charles Duffey, 78 Horatio st.	Wm. Stevenson, 417 E. 121st st.
George Springler, 127 Avenue C.	Kate Hennig, 180 Avenue C.
John Schevel, 423 5th st.	John Lyons, 194 Franklin st.
Patrick O'Rourke, 84 Courtlandt st.	Seymour Boughton, 359 W. 40th st.
James Giblin, 15 Ludlow st.	George Merles, 2193 Third ave.
Louis Rosenfeldt, 310 W. 27th st.	Michael Finnerty, 566 W. 46th st.
Ellen Allen, 247 W. 29th st.	Martin Derrick, 88 Mulberry st.
Mary Path, 242 W. 16th st.	F. A. Burnham, 58 Bowery.
John Wendel, 916 Third ave.	Alfred Allatts, 149 E. 42d st.
Edward Hallegan, 2071 Second ave.	

A approved.

Examining Board of Engineers—Report of examination on applications for promotions (laid over 15th instant). Filed, and following promotions to rank of Assistant Engineer of Steamer ordered, to take effect 1st proximo:

Private Celey B. Jones of Engine Co. No. 4, same company.  
 " Bernard McAllister, of Engine Co. No. 11, same company.  
 " John Lynch, of Engine Co. No. 12, same company.  
 " John H. Walker, Engine Co. No. 31, same company.

Fire Marshal—Report of operations for the month of April. Filed.

Medical Officer, recommending that full pay be allowed Fireman John Brown of Hook and Ladder Co. No. 4, for one day. Approved.

Same, recommending that Firemen Alexander Sharp and Owen J. Shanley be examined as to their ability to perform the duties of their position. Filed, and following resolution adopted:

Resolved, That under the provisions of section 14, chapter 742, Laws of 1871, as amended, Fireman Alexander Sharp of Engine Co. No. 39 and Owen J. Shanley of Hook and Ladder Co. No. 7 are hereby ordered to be examined by the Medical Officer as to their physical or mental qualifications to perform their duties.

Same, recommending leaves of absence to—

Foreman John Ward, of Engine Co. No. 30.  
 Assistant Engineer of Steamer R. D. Hall, of Engine Co. No. 42.  
 Fireman James McGrath, of Engine Co. No. 14.  
 " Andrew C. McKelvey, of Engine Co. No. 18.  
 " Michael Gallagher, of Engine Co. No. 30.  
 " Francis Kerrigan, of Engine Co. No. 30.  
 " Alexander Sharp, of Engine Co. No. 39.  
 " De Witt C. Baggott, of Hook and Ladder Co. No. 18.

Granted.

Same, recommending leaves of absence, disabilities not attributable to duty, to

Assistant Engineer of Steamer William Wray, of Engine Co. No. 23, for five days.  
 " Coleman J. Burke, of Engine Co. No. 31, for three days.

Fireman William Cahill, of Engine Co. No. 7, for five days.

" William McClair, of Engine Co. No. 43, for two days.  
 " John Brown, of Hook and Ladder Co. No. 4, for three days.  
 " Thomas Carson, of Hook and Ladder Co. No. 13, for five days.  
 " William A. Robinson, of Hook and Ladder Co. No. 16, for eleven days.

Private John T. Hanlon, of Engine Co. No. 23, for two days.

Granted on half pay.

Same, recommending excuse from fire duty to—

Fireman James McManus, of Engine Co. No. 12;  
 " Andrew McDevitt, of Hook and Ladder Co. 7. Approved.

Superintendent of Horses—Weekly reports of inspection. Filed.

Foreman of Engine Co. No. 4—Relative to alarm-box key No. 693. Filed.

Foreman of Engine Co. No. 6, reporting condition of quarters. Referred to Committee on Repairs and Supplies.

Foreman of Engine Co. No. 26, reporting defective flue at 520 Eighth avenue. Referred to Inspector of Combustibles for proper action.

Foreman of Engine Co. No. 43, requesting permission to accept donation of public documents. Granted.

Foreman Daniel Bradley, of Hook and Ladder Co. No. 10, applying for full pay while on sick leave. Granted.

Assistant Foreman Thomas A. Kinney, of Engine Co. No. 9, applying for promotion to rank of Foreman. Referred to Examining Board.

Privates Lawrence Ryan, of Engine Co. No. 27, and William E. Dodge, of Engine Co. No. 39, applying for promotion to rank of Assistant Engineer of Steamer. Referred to Examining Board of Engineers.

Comptroller—Statement of condition of appropriation to 22d instant. Filed.

Law Department, copies of deeds of property on Thomas avenue, Fordham, and East Seventy-fifth street. Filed.

Same, stating that proposed form of agreement of executor's estate of A. J. Smith is defective. Filed.

Department of Public Works, transmitting communication from Grinberg, Goodman & Pollack relative to permit for gas engine. Referred to Inspectors of Combustibles.

Health Department—Copy of report of inspection of premises No. 39 Liberty street. Filed.

Department of Public Charities and Correction—Relative to runways for use in case of fire on the islands. Filed.

H. M. Brewster, agent—Relative to nozzels furnished for trial (previously laid over). Filed.

John Hayes—Relative to distribution of money contributed for relief of families of deceased firemen. Referred to the President.

President of House of the Holy Family, applying for an alarm-box key. Referred to Chief of Department.

Gutta Percha and Rubber Manufacturing Co., accepting order for hose. Filed.

Van Tassell & Kearney—Account sales of old engines, with check for \$54, net proceeds. Filed, with directions to turn over amount to City Chamberlain.

J. H. Haber and others—Claims against members of the Department. Filed, with directions to notify.

G. B. Lydecker—Claim against a member of the Department. Referred to Chief of Department for proper action.

George Sterling, inviting attention to patent couplings. Filed.

Captain in charge of Repair Shops, recommending that repairs required to Engine No. 1 be done at Manchester Locomotive Works, at a cost of \$450. Ordered.

Superintendent of Horses, recommending purchase of horse for Engine Co. No. 26. Selection ordered.

Same—Report of selection of horse for Chief Third Battalion, and recommending purchase at \$250. Ordered.

Supply Clerk—Requisitions for articles and repairs required, estimated cost, \$28, \$25, \$10, \$28.50, \$214.50, \$150, and \$56, respectively. Ordered.

Chairman Committee on Apparatus, returning requisition for hydrant connections and recommending purchase. Referred to Supply Clerk, with directions to purchase eight connections at a cost of \$240.

Superintendent of Repairs to Buildings—Report and recommendation relative to roof of Hospital stables. Repairs ordered.

Charles Edel, proposing to repair and paint roof of quarters of Engine Co. No. 42 for \$12. Ordered.



Chief of Department, returning communication from James McConnell, relative to nozzle, with report as directed. Filed, and purchase at a cost of \$15, authorized.

#### Transfers

- to take effect 27th instant :  
Foreman James A. McCormick, Hook and Ladder Co. No. 16 to Engine Co. No. 10.  
" George W. Quackenbush, Engine Co. No. 10 to Hook and Ladder Co. No. 16.  
Assistant Foreman Charles J. Williams, Hook and Ladder Co. No. 16 to Hook and Ladder Co. No. 7.  
Assistant Foreman Owen O'Rourke, Hook and Ladder Co. No. 7 to Hook and Ladder Co. No. 16.  
—to take effect 1st proximo :  
Assistant Engineer of Steamer Robert Brewer, Engine Co. No. 14 to Engine Co. No. 18.  
Fireman Thomas Farley, Hook and Ladder Co. No. 7 to Engine Co. No. 14.  
Private William H. Jones, Hook and Ladder Co. No. 17 to Engine Co. No. 36.

#### Bills

—audited and transmitted to the Comptroller for payment :

For the Year 1879—Schedule No. 83.

Le Brun, N., apparatus, supplies, etc. \$232 40

For the Current Year—Schedule No. 23.

Carlock, Abm. D., apparatus, supplies, etc.	\$9 00	Jones, C. A. & Co., apparatus, supplies, etc.	\$79 38
Composite Iron Works Co., apparatus, supplies, etc.	78 50	McClave, E. W. & Co., apparatus, supplies, etc.	22 72
Barber, M. & Nephew, apparatus, supplies, etc.	78 00	Phelps, Dodge & Co., apparatus, supplies, etc.	160 00
Dunham, Thomas C., apparatus, supplies, etc.	108 85	Smith, N. J., apparatus, supplies, etc.	68 15
Egan, K. & Co., apparatus, supplies, etc.	137 13	Tillotson, L. G. & Co., apparatus, supplies, etc.	39 35
Fitch, Aug. B., apparatus, supplies, etc.	180 00	Trimble, Thomas, apparatus, supplies, etc.	250 00
Gregory, James, apparatus, supplies, etc.	24 00	Van Tassel & Kearney, apparatus, supplies, etc.	4 00
Isaacs, A. & Co., apparatus, supplies, etc.	150 00	Western Electric Mfg Co., apparatus, supplies, etc.	9 28
			\$1,398 36

On motion, adjourned.

CARL JUSSEN, Secretary.

MAY 27, 1880.

Present—President Vincent C. King, Commissioners John J. Gorman and Cornelius Van Cott.

#### Appointment.

James Moore as driver in Repair Shops, at a salary of \$2 per day ; 1st proximo.

#### Promotions

- to take effect 1st proximo :  
Assistant Foreman Charles H. Shay, of Engine Co. No. 14, to be Foreman, Engine Co. No. 30.  
Fireman Peter H. Short, of Engine Co. No. 4, to be Assistant Foreman, Engine Co. No. 14.  
On motion, adjourned.

CARL JUSSEN, Secretary.

MAY 28, 1880.

Present—President Vincent C. King, Commissioners John J. Gorman and Cornelius Van Cott.

#### Appointment.

Thomas B. Leonard as stoker, Fire Steamer W. F. Havemeyer, at \$2 per day ; 1st proximo.  
Specifications and estimate for carpenter work at quarters of Hook and Ladder Co. No. 8, was received and filed and following resolution adopted :  
Resolved, That the carpenter work required at the quarters of Hook and Ladder Co. No. 8, as per specifications therefor on file, be and is awarded to William H. Dobbs for the sum of \$507, on his proposal, and subject to the approval of the Superintendent of Repairs to Buildings.  
On motion, adjourned.

CARL JUSSEN, Secretary.

MAY 29, 1880.

Present—President Vincent C. King, Commissioners John J. Gorman and Cornelius Van Cott.

#### Communications.

From—  
Medical Officer—Relative to excuse from fire duty recommended to Fireman John Cavanagh, of Hook and Ladder Co. No. 1. Referred to Chief of Department.  
Superintendent of Horses, recommending transfer of teams of Engine Cos. Nos. 14 and 28. Approved.  
Gutta Percha and Rubber Manufacturing Co.—Relative to couplings for hose. Filed, with directions to reply.  
Superintendent of Repairs to Buildings—Requisitions for plumbing work at quarters of Engine Co. No. 31 and at Repair Shops, estimated cost \$7.00 and \$5.50 respectively. Ordered.  
On motion, adjourned.

CARL JUSSEN, Secretary.

JUNE 1, 1880.

Present—President Vincent C. King, Commissioners John J. Gorman, and Cornelius Van Cott.  
Certified copy of chapter 521, Laws of 1880, was read and filed.  
On motion, ordered that inquiry be made of the Comptroller as to the amount of the appropriation for the current year for the present Department of Buildings remaining unexpended.

#### Pay-rolls

—audited and transmitted to the Comptroller for payment—

For the current year—Schedule No. 24 :

Ex. Tel. force, pay-roll for May, apparatus, supplies, etc.	\$900 12
Head-Quarters, pay-roll for May	3,524 50
Telegraph Force, " "	2,099 21
Repair Shops, " "	4,121 68
Bureau of Combustibles, pay roll for May	1,016 69
Bureau of Fire Marshal, " "	600 00
Superintendent of Horses, " "	597 00
Bureau of Chief of Department, pay-roll for May	3,174 96
Engine and Hook and Ladder Co's., pay-roll for May	73,400 73
	\$89,434 89

On motion, adjourned.

CARL JUSSEN, Secretary.

JUNE 2, 1880.

Present—President Vincent C. King, Commissioners John J. Gorman and Cornelius Van Cott.

The following resolutions were, on motion, adopted :  
Resolved, That the Superintendent of Buildings be and is hereby requested to turn over to this Board "all books, papers, records, property, leases, monies, accounts, claims and things of every kind and description, belonging to or in the custody of the Department of Buildings or any officer or employee thereof," as required by the provisions of law contained in Section 76 of Chapter 335 of the Laws of 1873, as amended by Section 1 of Chapter 521 of the Laws of 1880 ; and be it further  
Resolved, That the said Superintendent of Buildings be and is hereby requested to make immediate answer to these resolutions, and to state in such answer the particular time when he will be prepared to make the required transfer ; and be it further  
Resolved, That the said Superintendent of Buildings be and is hereby requested to give his consent in writing, addressed to the Board of Estimate and Apportionment, to the transfer of the unexpended appropriation for the Department of Buildings for the current year to the appropriation "For salaries and other expenses of the Bureau of Inspection of Buildings of the Fire Department" for the current year.

Communication was received from the Finance Department, relative to appropriation for Department of Buildings, which was filed and following resolution adopted :

Resolved, That the Board of Estimate and Apportionment be and is hereby requested to authorize the transfer of twenty-nine thousand three hundred and fifteen dollars and seventy-six cents, being the unexpended balance of appropriation for the current year remaining to the credit of the Department of Buildings on June 1, 1880, or so much thereof as may remain unexpended at the time of such authorization, to the appropriation "For salaries and other expenses of the Bureau of Inspection of Buildings of the Fire Department" for the current year, the amount being then no longer required for the said Department of Buildings, and rendered necessary for the purposes specified by the provisions of law contained in section 76 of chapter 335 of the Laws of 1873, as amended by section 1 of chapter 521 of the Laws of 1880.

The following resolution was, on motion, adopted :

Resolved, That the opinion of the Counsel to the Corporation be requested as to the meaning of the provision of law contained in section 16 of chapter 335 of the Laws of 1873, as amended by section 2 of chapter 521 of the Laws of 1880, fixing the maximum salaries of certain positions in the uniformed force of this Department.

#### Transfers

- to take effect 4th instant :  
Fireman John S. Craft, Engine Co. No. 43 to Engine Co. No. 29.  
" Henry Keelan, Engine Co. No. 29 to Engine Co. No. 4.  
Private Charles C. Dietsch, Engine Co. No. 25 to Hook and Ladder Co. No. 17.

#### Bills

—audited and transmitted to the Comptroller for payment :

For the Current Year—Schedule No. 25.

Day, William T., apparatus, supplies, etc.	\$13 50	Peyser, John, apparatus, supplies, etc.	\$225 00
Dobbs, William H., apparatus, supplies, etc.	46 00	Powers, John, manager, apparatus, supplies, etc.	142 85
Dunham, Thomas C., apparatus, supplies, etc.	118 40	Quackenbush, Townsend & Co., apparatus, supplies, etc.	56 62
Gold & Stock Tel. Co., apparatus, supplies, etc.	10 00	Sheldon, George H., apparatus, supplies, etc.	21 52
Joannes, Emile, apparatus, supplies, etc.	36 00	Smiths' Sons & Co., Isaac, apparatus, supplies, etc.	19 50
McCaffrey, James, apparatus, supplies, etc.	10 00	Smith, J. Elliot, apparatus, supplies, etc.	33 31
McConnell, James, apparatus, supplies, etc.	15 00	Sullivan, Thomas, apparatus, supplies, etc.	24 00
Moore, T. B., apparatus, supplies, etc.	42 00		\$843 70
Muldoon & Killebane, apparatus, supplies, etc.	30 00		

On motion, adjourned.

CARL JUSSEN, Secretary.

JUNE 3, 1880.

Present—President Vincent C. King, Commissioners John J. Gorman and Cornelius Van Cott.

#### Communications.

From—  
Inspector of Combustibles, requesting instructions as to course of action under chapter 169, Laws of 1880. Filed, and following resolution adopted :

Resolved, That under the provisions of section 56, chapter 873, Laws of 1866, as amended by section 1, chapter 169, Laws of 1880, the approval of the New York Board of Fire Underwriters, issued in the form of a certificate, shall be considered a prerequisite to the approval by this Board of any building used or to be used for the storage of any of the articles specified in the section of the law referred to.

Supply Clerk—Requisitions for articles required ; estimated cost, \$43.52 and \$256 respectively. Purchase ordered.  
On motion, adjourned.

CARL JUSSEN, Secretary.

### APPROVED PAPERS.

Ordinances, resolutions, etc., approved by the Mayor during the Week ending June 5, 1880.

Resolved, That Jacob Meyer be and he is hereby appointed a Commissioner of Deeds in and for the City and County of New York, in place of Alfred Steckler, resigned.

Resignation accepted and resolution adopted by the Board of Aldermen, May 25, 1880.  
Approved by the Mayor, June 1, 1880.

Resolved, That George Burnham, Jr., be and he is hereby appointed a Commissioner of Deeds in and for the City and County of New York, in place of George Burnham, Jr., whose term of office expires May 29, 1880.

Adopted by the Board of Aldermen, May 25, 1880.  
Approved by the Mayor, June 1, 1880.

Resolved, That Weeks W. Culver be and he is hereby appointed a Commissioner of Deeds in and for the City and County of New York, in place of Weeks W. Culver, whose term of office expires May 31, 1880.

Adopted by the Board of Aldermen, May 25, 1880.  
Approved by the Mayor, June 1, 1880.

Resolved, That George B. Patterson be and he is hereby appointed a Commissioner of Deeds in and for the City and County of New York, in place of John S. Giles, who has resigned.

Resignation accepted and resolution adopted by the Board of Aldermen, May 25, 1880.  
Approved by the Mayor, June 1, 1880.

Resolved, That James P. Niemann be and he is hereby appointed a Commissioner of Deeds in and for the City and County of New York, in place of Francis J. Twomey, resigned.

Adopted by the Board of Aldermen, May 25, 1880.  
Approved by the Mayor, June 1, 1880.

FRANCIS J. TWOMEY,  
Clerk Common Council.

### LAW DEPARTMENT.

Statement and Return of Moneys Received by ALGERNON S. SULLIVAN, Public Administrator in the City of New York, for the Month of May, 1880, rendered to the Comptroller in pursuance of the provisions of Section 3, Part II., Chapter VI., Title VI., Revised Statutes ; and Sections 38 and 96 of Chapter 335 of the Laws of 1873, and paid into the City Treasury.

DATE.	ESTATE OF	INTEREST ESTATES.	COMMISSIONS.	TOTAL AMOUNT.
May 1, 1880...	John McDonough.....	.....	\$25 82	\$25 82
" 7, " .....	Even Stevenson.....	.....	35 57	35 57
" 17, " .....	Joseph A. Besant.....	.....	31 25	31 25
" 26, " .....	Mary Cassidy.....	\$53 55	16 47	70 02
" 27, " .....	Andrew or Samuel A. Jackson.....	.....	68 30	68 30
		\$53 55	\$177 41	\$230 96

ALGERNON S. SULLIVAN, Public Administrator.



## LAWS OF NEW YORK, 1880.

## CHAPTER 263.

## AN ACT for the protection of corporations organized for generating and distributing steam for heating and other purposes.

Passed May 12, 1880; three-fifths being present.

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

Section 1. Any person who, with intent to injure or defraud any corporation organized under the laws of this state for the purpose of generating, supplying or distributing steam for heating or other purposes, shall willfully injure, alter, obstruct, or prevent the action of any meter or other device provided for the purpose of measuring and registering the quantity of steam consumed, or the quantity of water resulting from condensation of steam consumed, or cause or procure any such meter or other device to be injured or altered, or the action thereof to be obstructed or prevented, shall be deemed guilty of a misdemeanor, and upon conviction shall be punished by a fine not exceeding two hundred and fifty dollars or by imprisonment not exceeding six months, or by both such fine and imprisonment.

Sec. 2. Any person who, with intent to injure or defraud any corporation organized under the laws of this state for the purposes aforesaid, shall connect or cause to be connected, any pipe, tube or other instrument or contrivance with any main, service pipe or other pipe for conducting or supplying steam in such manner as to connect with and be calculated to supply steam for heating, for moving machinery or for any other purpose or use without such steam passing through the meter or other device provided for the measuring and registering the quantity of steam consumed, or the quantity of water resulting from condensation of such steam consumed, shall be deemed guilty of a misdemeanor, and upon conviction shall be punished by fine not exceeding two hundred and fifty dollars or by imprisonment not exceeding six months, or by both such fine and imprisonment.

Sec. 3. Every person who shall willfully or fraudulently injure, or suffer to be injured, and every corporation or association whose officer or agent shall willfully or fraudulently injure, or suffer to be injured, any meter, device, pipe or fitting belonging to any corporation organized under the laws of this state for the purposes aforesaid, or prevent such meter or device from duly registering the quantity of steam consumed, or the quantity of water resulting from the condensation of steam consumed; or shall alter the index of any such meter or device, or in any manner or way interfere with or hinder or obstruct its proper action or just registration, or shall fraudulently consume or waste the steam of said corporation, shall for each and every such offense forfeit and pay to such corporation the sum of twenty-five dollars, and shall also be liable to such corporation in a civil action for the damages sustained by reason of such offense.

Sec. 4. Any corporation organized under the laws of this state for the purposes aforesaid may make an agreement with any of its customers by which any officer or agent of such corporation, duly authorized in writing, signed by the president or secretary of said corporation, shall be authorized at all reasonable times to enter any dwelling, store, building, room or places supplied with steam by such corporation and occupied by said customer for the purpose of inspecting and examining the meters, devices, pipes, fittings, and appliances for supplying or regulating the supply of steam, and for ascertaining the quantity of steam consumed, or the quantity of water resulting from the condensation of steam consumed. Every such agreement so made in writing shall further provide that such officer or agent shall exhibit his written authority if requested by the occupant of such dwelling, store, building, room or place. Any person who shall directly or indirectly prevent or hinder such officer or agent from entering such dwelling, store, building, room or place, or from making such inspection or examination, in violation of his agreement with said corporation, shall forfeit and pay to the corporation the sum of twenty-five dollars for each offense.

Sec. 5. If any person or persons, corporation or association supplied with steam by such corporation organized under the laws of this state for the purposes aforesaid, shall neglect or refuse to pay the rent or remuneration for such steam, or for the meter, device, pipes, fittings or appliances, let by such corporation for supplying steam, or for ascertaining the quantity of steam consumed, or the quantity of water resulting from the condensation of the steam consumed, agreed upon or due for the same as required by his, their or its contract with such corporation, the latter may thereupon stop and prevent the steam from entering the premises of such person, persons, corporation or association so neglecting or refusing to pay such rent or remuneration. The said corporation may also in any of the cases enumerated in this act in which a person is liable to pay a forfeiture or is liable to fine or imprisonment, or both such fine and imprisonment, stop and prevent the steam from entering the premises of the person so liable, or if such person be an officer or agent of any corporation or association to stop or prevent the steam from entering the premises of the corporation or association of which the person so liable is an officer or agent. In all cases in which such corporation is authorized to stop and prevent the steam from entering any premises, it may, by its officers, agents or workmen, enter into or on such premises between the hours of eight o'clock in the forenoon and six o'clock in the afternoon, and cut off, disconnect, separate, and carry away any meter, device, pipe, fitting or other property of said corporation; and may cut off, disconnect and separate any meter, device, pipe or fitting, whether the property of the corporation or not, from the mains or pipes of said corporation.

Sec. 6. Any person who shall falsely personate or represent himself to be the officer, agent or workman of any such corporation, and by such false personation or representation shall seek to enter any dwelling, store, building, room or place, shall on conviction thereof, be deemed guilty of felony, and imprisoned at hard labor in the state prison for a term not exceeding five years.

Sec. 7. This act shall take effect immediately.

## CHAPTER 282.

## AN ACT for the preservation of lobsters.

Passed May 13, 1880; three-fifths being present.

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

Section 1. Whoever shall sell, or offer for sale, or have in possession with intent to sell, any lobster less than ten and one-half inches in length, measurement to be taken from one extremity of the body to the other, exclusive of claws or feelers, shall, for every such offense, be subject to a fine of five dollars; and in all prosecutions under this act the possession of any lobster not of the length herein prescribed shall be prima facie evidence to convict.

Sec. 2. All forfeitures accruing under this act shall be paid one-half to the person making the complaint and one half to the city or town where the offense was committed.

Sec. 3. This act shall take effect on the first of June, eighteen hundred and eighty.

## CHAPTER 287.

## AN ACT to amend chapter three hundred and seventy-one of the laws of eighteen hundred and seventy-five, entitled "An act to conform the charters of all savings banks or institutions for savings to a uniformity of powers, rights and liabilities, and to provide for the organization of savings banks, for their supervision and for the administration of their affairs."

Passed May 14, 1880; three-fifths being present.

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

Section 1. Section twenty-six of chapter three hundred and seventy-one of the laws of eighteen hundred and seventy-five, entitled "An act to conform the charters of all savings banks or institutions for savings to a uniformity of powers, rights and liabilities, and to provide for the organization of savings banks, for their supervision and for the administration of their affairs," is hereby amended so as to read as follows:

§ 26. It shall be lawful for the trustees of any savings bank to invest the moneys deposited therein only as follows, namely:

First. In the stocks or bonds, or interest-bearing notes, or obligations of the United States, or those for which the faith of the United States is pledged to provide for the payment of the interest and principal, including the bonds of the District of Columbia, commonly known as the three-sixty-five bonds.

Second. In the stocks or bonds of this state bearing interest.

Third. In the stocks or bonds of any state in the Union that has not, within ten years previous to making such investment by such corporation, defaulted in the payment of any part of either principal or interest of any debt authorized by any legislature of such state to be contracted.

Fourth. In the stocks or bonds of any city, county, town or village of this state issued pursuant to the authority of any law of this state, or in any interest-bearing obligations issued by the city or county in which such bank shall be situated.

Fifth. In bonds and mortgages on unincumbered real estate situate in this state and worth, at least, twice the amount loaned thereon, but not to exceed sixty per centum of the whole amount of deposits shall be so loaned or invested; but in case the loan is on unimproved and unproductive real estate the amount loaned thereon shall not be more than forty per centum of its actual value; and no investment in any bond and mortgage shall be made by any savings bank, except upon the report of a committee charged with the duty of investigating the same, and who shall certify to the value of the premises mortgaged, or to be mortgaged, according to their best judgment, and such report shall be filed and preserved among the records of the institution.

Sixth. In real estate subject to the provisions of section twenty-nine of this act.

Sec. 2. This act shall take effect immediately.

## EXECUTIVE DEPARTMENT.

BUREAU OF THE FIRST MARSHAL,  
New York, June 5, 1880.

Licenses granted and amount received by  
Marshal John Tyler Kelly, during the week ending June 5, 1880.

Licenses..... 303  
Amount..... \$1,187 75  
JOHN TYLER KELLY,  
First Marshal.

## 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, 9 A. M. to 3 P. M.  
EDWARD COOPER, Mayor; JAMES E. MORRISON, Secretary; John Tracey, Chief Clerk.

## Mayor's Marshal's Office.

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

## Permit and License Bureau Office.

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

## Sealers and Inspectors of Weights and Measures.

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

## LEGISLATIVE DEPARTMENT.

## Office of Clerk of Common Council.

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

## DEPARTMENT OF PUBLIC WORKS

## Commissioner's Office.

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

## Bureau of Water Register.

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

## Bureau of Incumbrances.

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

## Bureau of Lamps and Gas.

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

## Bureau of Streets.

No. 10 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.  
GEORGE W. BIRDSALL, 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. STORIS, Deputy Comptroller.

## Bureau for the Collection of Taxes.

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

## Bureau of the City Chamberlain.

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

## Auditing Bureau.

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

## Bureau of Arrears.

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

## Bureau for the Collection of Assessments.

No. 16 New County Court-house, 9 A. M. to 4 P. M.  
EDWARD GILON, Collector.

## Bureau of City Revenue.

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

## Bureau of Markets.

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

## LAW DEPARTMENT

## Office of the Counsel to the Corporation

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

## Office of the Public Administrator.

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

## Office of the Corporation Attorney.

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

## Attorney to Department of Buildings' Office.

Corner Cortland and Church streets.  
JOHN A. FOLEY, Attorney.

## POLICE DEPARTMENT.

## Central Office.

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

## DEPARTMENT OF CHARITIES AND CORRECTION.

## Central Office.

Third avenue, corner Eleventh street, 9 A. M. to 4 P. M.  
TOWNSEND COX, President; JOSHUA PHILLIPS, Secretary.

## FIRE DEPARTMENT.

## Headquarters.

Nos. 155, and 157 Mercer street, 9 A. M. to 4 P. M.  
VINCENT C. KING, President; CARL JUSSER, 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; EDWARD P. BARKER, Secretary.

## Civil and Topographical Office.

Arsenal, 64th street a d 5th avenue, 9 A. M. to 5 P. M.  
Office of Superintendent of 2nd and 4th Wards.  
Fordham 9 A. M. to 5 P. M.

## DEPARTMENT OF DOCKS.

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

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

## BOARD OF ASSESSORS.

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

## DEPARTMENT OF BUILDINGS.

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

## FIRE DEPARTMENT.

## HEADQUARTERS

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

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

By order of the Board.

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

CARL JUSSER,  
Secretary

## DEPARTMENT OF PUBLIC WORKS.

## DEPARTMENT OF PUBLIC WORKS,

BUREAU OF WATER REGISTER, ROOM 10 CITY HALL,  
NEW YORK, April 28, 1880.

## CROTON WATER RATES.

NOTICE IS HEREBY GIVEN THAT, ACCORDING to law, Croton water rates for the current year will be due and payable at this office on and after May 1, 1880.

ALLAN CAMPBELL,  
Commissioner of Public Works.

## POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,  
PROPERTY CLERK'S OFFICE,  
No. 300 MULBERRY STREET, ROOM NO. 39,  
NEW YORK, June 3, 1880.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of the City of New York, 300 Mulberry street, Room No. 39, for the following property now in his custody without claimants: Boats, rope, iron, lead, male and female clothing, dresses, trunks, bags, etc., tea, coffee, flour, watches, blankets; also small amount of cash taken from prisoners and found by patrolmen of this Department.

C. A. ST. JOHN,  
Property Clerk.

## BOARD OF EDUCATION.

SEALED PROPOSALS WILL BE RECEIVED BY the School Trustees of the Nineteenth Ward, at the Hall of the Board of Education, corner of Grand and Elm streets, until Thursday, the 17th day of June, 1880, and until 4 o'clock P. M., on said day, for the carpenter's work and materials for a new school house on the north side of East Forty-sixth street, one hundred and thirty-five feet east of Third avenue.

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

Proposals must be indorsed "Proposal for Carpenter Work."

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

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

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

No substitution by the accepted contractor will be permitted without first obtaining, in writing, permission from the Committee on Buildings of the Board of Education.

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

EUGENE H. POMEROY,  
M. THALMESSINGER,  
JOHN C. DONNELLY,  
RICHARD KELLY,  
CHARLES L. HOLT,  
Board of School Trustees, Nineteenth Ward.

Dated NEW YORK, June 3, 1880.

SEALED PROPOSALS WILL BE RECEIVED BY the School Trustees of the Thirteenth Ward, at the Hall of the Board of Education, corner of Grand and Elm streets, until Tuesday, the 15th day of June, 1880, and until 4 o'clock P. M. on said day, for the erection of a new school-house on the east side of Norfolk street, between Delancey and Kivington streets, on lots Nos. 102, 104 and 106.

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 be received only for the entire work and materials required for the erection of the building, and must be indorsed "Proposal for the Erection of a School-house on Norfolk street, in the Thirteenth Ward;" all the work is to be performed under one contract.

The work is to be completed by the 1st day of June, 1881, under a forfeiture of seventy-five dollars per day, for each and every day that the work remains unfinished after the said 1st day of June, 1881.

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

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

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

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

No substitution by the accepted contractor will be permitted without first obtaining, in writing, permission from the Committee on Buildings of the Board of Education.

GEORGE W. RILEY,  
FREDERICK LANN,  
FREDERICK HOLSTEN,  
EDWARD MCCUE,  
FRANCIS COAN,  
Board of School Trustees, Thirteenth Ward.

Dated New York, June 1, 1880.



## DEPARTMENT OF BUILDINGS.

DEPARTMENT OF BUILDINGS,  
OFFICE OF SUPERINTENDENT, No. 2 FOURTH AVENUE,  
NEW YORK, December, 1879.

## NOTICE TO PROPERTY OWNERS AND BUILDERS.

FOR THE PROTECTION OF THEIR INTERESTS  
property owners and builders are requested to refuse admission into their buildings to any officer of this Department who does not show his proper badge of office on demand.

All badges issued from this office are shield shaped, with the title of the officer, the name of this Department, and the number engraved thereon, and are numbered from 1 to 50. The following badges are lost or stolen: Inspectors, badges Nos. 4, 5, 9, 11, 12, 21, 22, 23, 36, 38, 39, 42, 43, 45, 46, 48, 49, and 50. Fire Escape Examiners, badges Nos. 3 and 8, and Messenger's badge No. 7. All parties professing to be officers of this Department not provided with badges of the above description, or who attempt to use badges of the above named missing numbers, or an oval shaped badge, formerly used in the Department, are impostors, and the public are cautioned against recognizing such persons, and are requested to report the same to this office in any case that may come to their notice.

HENRY J. DUDLEY,  
Superintendent of Buildings.

## DEPARTMENT OF DOCKS.

DEPARTMENT OF DOCKS,  
117 AND 119 DUANE STREET,  
NEW YORK, May 26, 1880.

## TO CONTRACTORS.

PROPOSALS FOR DREDGING AT THE FOLLOWING NAMED PLACES ON THE NORTH RIVER: SLIP BETWEEN PIERS AT WEST TWENTY-SECOND STREET AND WEST TWENTY-THIRD STREET; SLIP BETWEEN PIERS AT WEST TWENTY-THIRD STREET AND WEST TWENTY-FOURTH STREET; PIER AT WEST THIRTY-FIFTH STREET; PIER AT WEST FIFTY-SEVENTH STREET.

SEALED PROPOSALS FOR DREDGING AT the above-named places on the North river, indorsed as above, and with the name or names of the person or persons presenting the same, and the date of presentation, and addressed to "The Board of Commissioners of the Department of Docks," will be received at this office until 12 o'clock m. of

MONDAY, JUNE 7, 1880,

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

Any bidder for this contract must be known to be well prepared for the business, and the bidder to whom the award is made shall give security for the faithful performance of the contract, in the manner prescribed and required by ordinance, in the sum of four thousand dollars.

The Engineer's estimates of the quantities of material necessary to be dredged in order to secure at each of the premises mentioned the depth of water opposite thereto, as named in the specifications, are as follows:

Slip between piers at West Twenty-second street and West Twenty-third street .....	15,000
Slip between piers at West Twenty-third street and West Twenty-fourth street .....	15,000
Pier at West Thirty-fifth street .....	4,000
Pier at West Fifty-seventh street .....	12,000
Total .....	46,000

But these estimates are approximate only, and form no part of the contract, and persons bidding are cautioned that neither the Department of Docks nor the City of New York is to be held responsible that any of them shall strictly obtain in the work, and bidders are required to examine the premises and to judge for themselves of the quantity and other circumstances affecting the cost of the work.

The time allowed for doing the work is ninety days from the date of signing the contract; and the damages to be paid by the contractor for each day that the contract may be unfulfilled after the time fixed for fulfillment has expired, Sundays and holidays not to be excepted, are, by a clause in the contract, fixed and liquidated at fifty dollars per day.

All the material excavated is to be removed by the contractor, and deposited in all respects according to law. Bidders will state in their proposals the price per cubic yard for doing such dredging in conformity with the annexed specifications, by which the bids will be tested. The price is to cover all expenses of every kind involved in or incidental to the completion of the contract, including any claim that may arise through delay from any cause, in the performing of the work thereunder.

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

Should the lowest bidder neglect or refuse to accept to contract within forty-eight (48) hours after written notice that the same has been awarded to his bid or proposal, or if, after acceptance, he should refuse or neglect to execute the contract and give the proper security, for forty-eight (48) hours after notice that the contract is ready for execution, he will be considered as having abandoned it, and as in default to the corporation; and the contract will be re-advertised and relet, and so on until it is accepted and executed.

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

Each proposal shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the bid, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if said person shall omit or refuse to execute the contract, they will pay to the Corporation any difference between the sum to which said person would be entitled on its completion, and that which the Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, and stated in these proposals, over and above all his debts of every nature, and over and above his liabilities as bail, surety, and otherwise; and with the intention to execute the bond required by section 6 of chapter 574, Laws of 1871, and by section 27 of chapter 8 of the Revised Ordinances

of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York, after the award is made and prior to the signing of the contract.

Bidders are in no way to deviate from the specifications will be allowed, unless under the written instructions of the Engineer-in-Chief.

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

The right to decline all the proposals is reserved, it deemed for the interest of the Corporation.

The form of the agreement, including specifications, and showing the manner of payment for the work, is annexed.

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

HENRY F. DIMOCK,  
JACOB VANDERPOEL,  
Commissioners of the Department of Docks.

DEPARTMENT OF DOCKS,  
Nos. 117 and 119 DUANE STREET,  
NEW YORK, May 26, 1880.

## TO CONTRACTORS.

PROPOSALS FOR FURNISHING FRESH BURNT "PORTLAND" CEMENT.

SEALED PROPOSALS FOR FURNISHING THIS material, indorsed as above, and addressed to "The Board of Commissioners of the Department of Docks," will be received at this office until 12 o'clock m. of

MONDAY, JUNE 7, 1880,

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

Any bidder for this contract must be known to be well prepared for the business, and shall give security for the faithful performance of his contract, in the manner prescribed and required by ordinance, in the sum of four thousand dollars.

The cement required under the contract must be fresh burnt "Portland" Cement, fully up to the standard of the best brands imported, and average at least 400 pounds gross weight to the barrel. No cement will be received that shall have been ground or burnt for a longer period than four months prior to the date of delivery; the Manufacturer's Certificate of date of manufacture will be required with each delivery, and said date must be marked on each barrel with a stencil plate.

The quantity to be delivered under the contract is 5,000 barrels, and the delivery is to commence within 10 days after the date of signing the contract, and is to be continued in such manner as shall be necessary to furnish at least 1,000 barrels on or before the 1st day of July, 1880, and at least 500 barrels within every 10 days thereafter, until the whole quantity shall have been delivered. The contract is to be fully completed and to terminate on the 1st day of October, 1880. The damages to be paid by the Contractor for each day that the contract, or any part thereof, may be unfulfilled, after the time specified for the fulfillment thereof may have expired, Sundays and holidays not to be excepted, are, by a clause in the contract, fixed and liquidated at (\$50) Fifty Dollars per day.

The empty barrels will be relinquished to the contractor, as provided for in the specifications, and bidders must estimate the value of the empty barrels, when considering the price for which they will furnish the cement under the contract.

Bidders will state in their proposals the price for each barrel of cement to be furnished in conformity with the annexed specifications, by which the bids will be tested. This price is to cover all expenses of every kind involved in or incidental to the delivery, including any claim that may arise through delay, from any cause, in the receiving of the material by the Department.

Bidders will write out the price bid in addition to inserting the same in figures.

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

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

Each proposal shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person or persons making the bid, they will, on its being so awarded, become bound as his or their sureties for its faithful performance; and that if said person or persons shall omit or refuse to execute the contract, they will pay to the Corporation any difference between the sum to which said person or persons would be entitled on its completion, and that which the Corporation may be obliged to pay to the person to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety and otherwise; and that he has offered himself as surety in good faith, and with the intention to execute the bond required by section 6 of chapter 574, Laws of 1871, and by section 27 of chapter VIII. of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York, after the award is made and prior to the signing of the contract.

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

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

The right to decline all the proposals is reserved, it deemed for the interest of the Corporation.

The form of the agreement, including specifications, and showing the manner of payment for the material, is annexed.

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

HENRY F. DIMOCK,  
JACOB VANDERPOEL,  
Commissioners of the Department of Docks

## DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, June 3, 1880.

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

At Work-house, Blackwell's Island—William Bassford; aged 57 years. Nothing known of his friends or relatives.

At Homoeopathic Hospital, Ward's Island—David Gilbert; aged 45 years; 5 feet 10 inches high; light hair; blue eyes. Had on when admitted brown coat, gray pants, gaiters. Nothing known of his friends or relatives.

At N. Y. City Asylum for Insane, Ward's Island—William Fay; aged 35 years; 5 feet 8½ inches high; brown eyes; dark hair. Nothing known of his friends or relatives.

Charles Johnson; aged 38 years; 5 feet 4½ inches high; gray eyes; brown hair. Nothing known of his friends or relatives.

At Branch Lunatic Asylum, Hart's Island—Maria Jones—aged 81 years; 5 feet 8 inches high; gray eyes and hair. Nothing known of her friends or relatives.

By Order,

G. F. BRITTON,  
Assistant Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, May 29, 1880.

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 Pier 2, East river—Aged about 35 years; 5 feet 7 inches high; brown hair. Had on black overcoat, black diagonal frock coat, gray pants, brown shirt, gray undershirt and drawers, gray knit socks, boots. Body about two months in water.

Unknown man, from Spuyten Duyvil Creek, 5 feet 7 inches high. Had on blue flannel shirt, red flannel drawers, gray knit undershirt, dark striped pants, blue ribbed socks, brogan shoes. Body about six months in water.

Unknown man, from off Governor's Island; 5 feet 9 inches high. Had on black overcoat, black ribbed coat and vest, dark pants, white shirt, white knit undershirt, white socks, gaiters. Body about six months in water.

At Randall's Island Hospital—George Fisher; aged 63 years. Nothing known of his friends or relatives.

At Hart's Island Hospital—Kate Forbes; aged 58 years; 5 feet high; dark hair, blue eyes. Nothing known of her friends or relatives.

By Order,

G. F. BRITTON,  
Ass't. Secretary.

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

## TO CONTRACTORS.

## PROPOSALS FOR GROCERIES, ETC.

SEALED BIDS OR ESTIMATES FOR FURNISHING

GROCERIES.  
25,000 Fresh Eggs, all to be candled.  
5,000 pounds Pearl Barley.  
3,000 " Dried Apples.  
3,000 " Cheese.  
100 sacks fine Liverpool Salt, equal to Worthington's sacks, to be full, clean, and in good order;

—or any part thereof, will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 9 o'clock a.m., of Wednesday, the 9th day of June, 1880. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Flour, Groceries, and Hay," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the head of said Department and read.

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

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

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

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

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

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

chapter 8 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept to contract within forty-eight (48) hours after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be re-advertised and relet as provided by law.

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

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

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

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

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

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

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

Dated New York, May 26, 1880.

TOWNSEND COX,  
THOMAS S. BRENNAN,  
JACOB HESS,  
Commissioners of the Department of Public Charities and Correction.

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

## TO CONTRACTORS.

## PROPOSALS FOR POULTRY.

SEALED BIDS OR ESTIMATES FOR FURNISHING

POULTRY.  
To be delivered during the remainder of the year 1880. Consisting of Fowls, Ducks, Turkeys, and Chickens, say 500 to 600 pounds in all per week; to be delivered in quantities as required at Bellevue Hospital and at Twenty-sixth street Dock, East river, at or before 6.45 A.M. of every day, Sundays excepted. The various descriptions of poultry, etc., to be dressed and of good quality, and the prices for each to be named separately—or any part thereof, will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 9 o'clock a.m., of Wednesday, the 9th day of June, 1880. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Poultry," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the head of said Department and read.

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

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

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

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

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

Should the person or persons to whom the contract may be awarded neglect or refuse to accept to contract within forty-eight (48) hours after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be re-advertised and relet as provided by law.

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

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

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

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



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

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

Dated New York, May 26, 1880.

TOWNSEND COX,  
THOMAS S. BRENNAN,  
JACOB HESS,  
Commissioners of the Department of  
Public Charities and Correction.

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

### TO CONTRACTORS. PROPOSALS FOR ICE.

### SEALED BIDS OR ESTIMATES FOR FURNISHING ICE

to the extent of 175 tons (more or less), of good quality, not less than eight inches thick, and free from snow ice, to be delivered daily during the remainder of the year 1880, in quantities as may be required, to the various institutions under charge of this Department located in the City of New York, or any part thereof, will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 9 o'clock A. M., of Wednesday the 9th day of June, 1880. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Ice," and with his or their name or names and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the head of said Department and read.

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

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

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

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

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

Should the person or persons to whom the contract may be awarded, neglect or refuse to accept to contract within forty-eight (48) hours after written notice that the same has been awarded to his or her bid or proposal, or if he or they accept, but do not execute the contract and give the proper security, he or they shall be considered as having abandoned it and as in default to the Corporation, and the contract will be readvertised and relet as provided by law.

Bidders are cautioned to examine the specifications required, before making their estimates.

Bidders will write out the amount of their estimate, in addition to inserting the same in figures. Payment will be made by a requisition on the Comptroller, issued on the completion of the contract, or from time to time as the Commissioners may determine.

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

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

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

Dated New York, May 26, 1880.

TOWNSEND COX,  
THOMAS S. BRENNAN,  
JACOB HESS,  
Commissioners of the Department of  
Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, May 25, 1880.

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 Stanton street—Unknown man, aged about 35 years; 5 feet 8 inches high; dark brown hair, moustache and beard; hazel eyes. Had on dark check suit, white shirt, white knit undershirt, gaiters.

Unknown man, from off Battery, aged about 45 years; 5 feet 7 inches high; body very much decomposed. Had on black cardigan jacket, black ribbed vest, dark striped pants, plaid woolen shirt, white shirt, blue socks, gaiters.

Unknown man, from Pier 36, East river, aged about 40 years; 5 feet 7 inches high; black hair. Had on dark cloth vest, dark corded pants, blue check shirt, white cotton flannel drawers, boots.

Unknown man, from Roosevelt Hospital, aged about 55 years; 5 feet 8 inches high; sandy hair, whiskers and moustache. Had on pepper and salt frock coat, plaid pants, dark vest, white shirt, with L. L. marked in red thread, white flannel undershirt, black felt hat.

Unknown woman, from Chambers Street Hospital, aged about 35 years; 5 feet 2 inches high; brown hair; blue eyes; no teeth.

Unknown man from Arnold's Point, East river, 5 feet 8 inches high. Had on blue woolen socks, white ribbed drawers, gaiters. Body about 6 months in water.

Unknown man from Pier 27, East river—5 feet 7 inches high. Had on black diagonal pants, red flannel drawers, gray socks, boots. Body about 6 months in water.

By order,

G. F. BRITTON,  
Assistant Secretary.

### LEGISLATIVE DEPARTMENT.

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

HENRY C. PERLEY,  
THOMAS SHELLS,  
JOHN MCCLAVE,  
HENRY HAFEN,  
BERNARD KENNEY,  
Committee on Public Works.

### SUPREME COURT.

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

NOTICE IS HEREBY GIVEN THAT THE BILL of the costs, charges, and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court, at the Chamber thereof, in the County Court-house at the City Hall, in the City of New York, on the eighteenth day of June, 1880, at 10 o'clock in the forenoon.

RICHARD CROKER,  
CHARLES H. HASWELL,  
BERNARD SMYTH,  
Commissioners.

Dated New York, June 5, 1880.

In the matter of the application of the Department of Public Works, for and on behalf of the Mayor, Aldermen, and Commonalty of the City of New York, relative to the opening of Sixty-seventh street, from Third avenue to the East river, in the City of New York.

PURSUANT TO THE STATUTES IN SUCH CASES made and provided, the Department of Public Works, for and on behalf of the Mayor, Aldermen, and Commonalty of the City of New York, hereby give notice that the Counsel to the Corporation will apply to the Supreme Court in the First Judicial District of the State of New York, at a Special Term thereof, to be held in the Chambers of said court, at the County Court-house, in the City of New York, on Friday, the 25th day of June, A. D. 1880, at ten o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon, for the appointment of a Commissioner of Estimate and Assessment in the above proceeding, in the place and stead of George H. Swords, deceased.

New York, May 29, 1880.

WM. C. WHITNEY,  
Counsel to the Corporation,  
Tryon Row, New York.

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

PURSUANT TO THE STATUTES IN SUCH CASES made and provided, the Department of Public Works, for and on behalf of the Mayor, Aldermen, and Commonalty of the City of New York, hereby give notice that the Counsel to the Corporation of the City of New York will apply to the Supreme Court in the First Judicial District of the State of New York, at a Special Term thereof, to be held in the Chambers of said court, at the County Court-house, in the City of New York, on Friday, the 25th day of June, A. D. 1880, at ten o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon, for the appointment of a Commissioner of Estimate and Assessment in the above proceeding, in the place and stead of George H. Swords, deceased.

Dated New York, May 29, 1880.

WM. C. WHITNEY,  
Counsel to the Corporation,  
Tryon Row.

In the matter of the application of the Department of Public Works, for and on behalf of the Mayor, Aldermen, and Commonalty of the City of New York, relative to the opening of Sixty-seventh street, from Third avenue to the East river, in the City of New York.

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

First—That we have completed our estimate and assessment, and that all persons interested in these proceedings, or in any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified, to William Cruikshank, our Chairman, at the office of the Commissioners, No. 261 Broadway, Room No. 23, in said city, on or before the 28th day of June, 1880; and that we, the said Commissioners, will hear parties so objecting within ten week days next after said 28th day of June, 1880, and for that purpose will be in attendance at our office on each of said ten days, at three o'clock in the afternoon.

Second—That the abstract of said estimate and assessment, together with our maps, and also all the affidavits, estimates, and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the 8th day of July, 1880.

Third—That the limits embraced by the assessment aforesaid are as follows: All those lots, pieces, or parcels of land situate, lying and being in the City of New York, included within the following boundaries, viz: Commencing at a point on the easterly line of Third avenue, distant one hundred feet and five inches southerly from the southerly line of Sixty-eighth street, thence easterly and parallel to Sixty-eighth street and always one hundred feet and five inches southerly of the southerly line thereof to the bulkhead line of East river, thence southerly along said bulkhead line to a point which would be intersected by a line drawn parallel to Sixty-sixth street, and one hundred feet and five inches northerly of the northerly line thereof, thence westerly and parallel to Sixty-sixth street, and always one hundred feet and five inches northerly of the northerly line thereof to the easterly line of Third avenue, thence northerly along the easterly line of Third avenue to the point or place of beginning.

Excepting, however, from all the lands and premises above described so much thereof as is included within the areas of streets and avenues now opened and proposed to be opened by this proceeding.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the New Court-house in the City of New York, on the 13th day of July, 1880, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that said report be confirmed.

Dated New York, May 19, 1880.

WILLIAM CRUIKSHANK,  
GUNNING S. REDFORD,  
GEORGE H. SWORDS,  
Commissioners.

In the matter of the application of the Department of Public Works, for and on behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring title for the use of the public to lands included within the lines of One Hundred and Fifty-third street, from the easterly line of the New Avenue, lying between Eighth and Ninth avenues to the Harlem river.

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

I.—That we have completed our estimate and assessment, and that all persons interested in these proceedings, or in any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified, to the undersigned Commissioners, at our office, No. 82 Nassau street, Room No. 22, in the said city, on or before the 23d day of June, 1880; and that we, the said Commissioners, will hear parties so objecting within the ten week days next after the said 23d day of June, and for that purpose will be in attendance at our said office on each of said ten days at 1 o'clock P. M.

II.—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the 6th day of July, 1880.

III.—That the limits embraced by the assessment aforesaid, are as follows, to wit: All those certain lots, pieces, or parcels of land contained, lying and being within the following bounds or limits, that is to say: beginning at a point on the easterly line or side of the New Avenue, lying between the Eighth and Ninth avenues, distant one hundred and one foot and eleven and one-eighth inches northerly from the point formed by the intersection of said easterly side of said New Avenue with the northerly line or side of One Hundred and Fifty-third street, as the same is laid out and to be opened by this proceeding; and running thence easterly and parallel with said One Hundred and Fifty-third street, to the bulkhead line on the Harlem river; thence southerly along said bulkhead line to a point where the centre line of the block between One Hundred and Fifty-second and said One Hundred and Fifty-third streets, if produced, would intersect said bulkhead line; thence westerly and parallel with said One Hundred and Fifty-third street to the easterly line or side of said New Avenue, and thence northerly along the easterly line or side of said New Avenue two hundred and sixty-three feet and five-eighths of an inch to the point or place of beginning.

IV.—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held in the New Court-house, at the City Hall, in the City of New York, on the 20th day of July, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, May 17, 1880.

WILLIAM C. TRAPHAGEN,  
WILLIAM A. SEEVER,  
HENDERSON MOORE,  
Commissioners.

### FINANCE DEPARTMENT.

DEPARTMENT OF FINANCE,  
BUREAU FOR COLLECTION OF ASSESSMENTS,  
FIRST FLOOR, ROOM NO. 1, NEW COURT-HOUSE,  
CITY HALL PARK,  
NEW YORK, June 4, 1880.

### NOTICE TO PROPERTY-HOLDERS.

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

CONFIRMED APRIL 16, ENTERED APRIL 24, 1880.

Opening of—  
15th street, from the westerly line of Kingsbridge road to the easterly line of 11th avenue.  
15th street, from the westerly line of the Road or Public Drive near the Harlem river to the easterly line of 11th avenue.  
15th street, from the westerly line of Kingsbridge road to the Hudson river.  
15th street, from the westerly line of the Road or Public Drive near the Harlem river to the easterly line of 11th avenue.

All payments made on the above assessments on or before August 3, 1880, 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.

### ARREARS OF TAXES.

#### NOTICE TO TAXPAYERS.

THE COMPTROLLER OF THE CITY OF NEW YORK hereby gives notice to owners of Real Estate in said city, that, as provided by chapter 123 of the Laws of 1880, they may now pay any arrears of taxes and Croton water rents levied prior to the year 1877, with interest thereon at the rate of seven per cent. per annum. If, however, such taxes and Croton water rents are not paid before the first day of October next, the property on which they are due will be sold for taxes immediately thereafter, with the addition of accrued interest thereon at the rate of 12 per cent. per annum from the respective dates on which they were levied.

Lists for such tax sale are now being prepared by the Clerk of Arrears.

The time of payment of taxes for the years 1877, 1878, and 1879, with interest thereon at the rate of seven per cent. per annum, is extended to the first day of April, 1881, and if not paid before that date, interest will be payable at the rate of twelve per cent. per annum.

The Act, chapter 123, Laws of 1880, containing these provisions of law, is published below.

JOHN KELLY,  
Comptroller.

CITY OF NEW YORK—DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, JUNE 4, 1880.

#### CHAPTER 123.

AN ACT in relation to arrears of taxes in the City of New York, and to provide for the reissuing of revenue bonds in anticipation of such taxes.

Passed April 15, 1880; three-fifths being present.

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

Section 1. At any time after the passage of this act, and before the first day of October, eighteen hundred and eighty, any person may pay to the Comptroller of the City of New York the amount of any tax upon real property belonging to such person, heretofore laid or imposed and now remaining unpaid, together with interest thereon at the rate of seven per cent. per annum, to be calculated from the time that such tax was imposed to the time of such payment, provided, also, that the time when such payment may be made on the amount of any such tax laid or imposed

in the years eighteen hundred and seventy-seven, eighteen hundred and seventy-eight, and eighteen hundred and seventy-nine shall extend to the first day of April, eighteen hundred and eighty-one. The comptroller shall make and deliver to the person making any such payment a receipt therefor, and shall forthwith cancel the record of any such tax on the books of the finance department; and upon such payment being made such tax shall cease to be a lien upon the property and shall be deemed fully paid, satisfied and discharged, and there shall be no right to any further interest or penalty by reason of such tax not having been paid within the time heretofore required by law, or by reason of any statute passed requiring the payment heretofore of any penalty or interest over seven per centum per annum upon any unpaid tax.

Sec. 2. Any revenue bond heretofore issued in anticipation of the taxes in the first section specified which may fall due and become payable before said taxes are collected, may be reissued by the comptroller of said city, in whole or in part, for such period as he may determine, not exceeding one year.

Sec. 3. This act shall take effect immediately.

### WILLIAM KENNELLY, AUCTIONEER.

CORPORATION SALE OF THE MARION STREET BELL TOWER.

THE COMPTROLLER OF THE CITY OF NEW YORK will sell at public auction, on Thursday, May 27, 1880, at 12 o'clock, noon, at the New County Court-house, the Marion Street Bell Tower.

#### TERMS OF SALE.

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

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

JOHN KELLY,  
Comptroller.

CITY OF NEW YORK, DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, May 17, 1880.

The above sale is adjourned to Thursday, June 3, 1880, at the same hour and place.

JOHN KELLY,  
Comptroller.

COMPTROLLER'S OFFICE,  
NEW YORK, May 27, 1880.

The above sale is adjourned to Thursday, June 10, 1880, at the same hour and place.

JOHN KELLY,  
Comptroller.

COMPTROLLER'S OFFICE,  
NEW YORK, June 3, 1880.

DEPARTMENT OF FINANCE,  
BUREAU FOR COLLECTION OF ASSESSMENTS,  
FIRST FLOOR, ROOM NO. 1, NEW COURT-HOUSE,  
CITY HALL PARK,  
NEW YORK, May 18, 1880.

### 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 17, ENTERED MAY 18, 1880.

88th street opening, from 8th avenue to New road, and from 12th avenue to the Hudson river.  
91st street opening, from 8th avenue to New road, and from 12th avenue to the Hudson river.

All payments made on the above assessments on or before July 17, 1880, 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.

DEPARTMENT OF FINANCE,  
BUREAU FOR COLLECTION OF ASSESSMENTS,  
FIRST FLOOR, ROOM NO. 1, NEW COURT-HOUSE,  
CITY HALL PARK,  
NEW YORK, May 1, 1880.

### NOTICE TO PROPERTY-HOLDERS.

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

CONFIRMED APRIL 28, ENTERED APRIL 30, 1880.

81st street opening, from the Boulevard to New avenue (Riverside drive), and from 12th avenue to Hudson river. All payments made on the above assessment on or before June 29, 1880, 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.

FINANCE DEPARTMENT—COMPTROLLER'S OFFICE,  
NEW YORK, January 22, 1880.

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

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

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

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

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 1653 to 1857, prepared under the direction of the Commissioners of Records.

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

JOHN KELLY,  
Comptroller.