

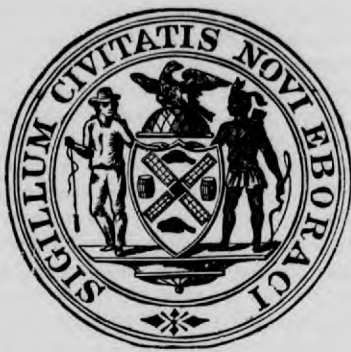
# THE CITY RECORD.

## OFFICIAL JOURNAL.

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### DEPARTMENT OF PUBLIC WORKS.

#### Report for the Quarter ending June 30, 1878.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, ROOM 19, CITY HALL,  
NEW YORK, July 17, 1878.

Hon. SMITH ELY, Jr., Mayor :

SIR—In accordance with section 27 of the Charter, I have the honor to submit herewith a report of the transactions of this Department for the three months ending June 30, 1878.

#### SUMMARY OF EXPENDITURES.

On account of appropriations raised by taxation .....	\$395,405 08
On account of Assessment Fund, for Street Improvements .....	153,773 85
On account of Funded Debt, for improvement and extension of water supply .....	142,029 01
Total .....	\$691,207 94

#### EXPENDITURES FOR THE CORRESPONDING QUARTER FOR THE PAST FIVE YEARS.

Second quarter of 1874 .....	\$1,815,339 81
" 1875 .....	1,316,484 95
" 1876 .....	1,392,597 61
" 1877 .....	798,614 37
" 1878 (as above) .....	691,207 94

#### EXPENDITURES FOR THE FIRST SIX MONTHS OF 1874, 1875, 1876, 1877, AND 1878.

Six months ending June 30, 1874 .....	\$3,612,064 74
" " 1875 .....	2,461,362 34
" " 1876 .....	2,280,682 44
" " 1877 .....	1,321,313 82
" " 1878 .....	1,250,714 37

#### BUREAU OF CHIEF ENGINEER.

In April last the injunction obtained by the Commissioners of Highways of the town of South East, Putnam County, prohibiting the Department from filling the new Storage Reservoir on the middle branch of the Croton river, was removed, and the gates of the reservoir were then closed. Up to June 30, it had accumulated 1,450,000,000 gallons of water, and has been steadily filling since that time.

The dam proves to be secure and water-tight. The contractors are gradually finishing up the work about the reservoir. A contract has been made and work begun on a new Macadam road, on the northwest side of the reservoir, in place of an old road which has been flooded. The other new roads, built in place of those that have been or will be flooded in filling the reservoir, have now been in use for some time, and appear to give general satisfaction.

The Storage Reservoir at Boyd's Corners, and the natural lakes and ponds upon which we draw for a water supply in case of drought, are all flowing over, except Lake Gleneida, which lacks eight inches, and Lake Gilead, which lacks four feet of high-water mark.

The rain gauge at Boyd's Corners Reservoir showed a rain-fall of 2 85-100 inches in April, 4 97-100 inches in May, and 4 65-100 inches in June, making a total of 12 47-100 inches for the quarter. For the corresponding quarter of last year the rain-fall was 8 15-100 inches, and in 1876 10 94-100 inches.

Since May 1 a party of Engineers has been engaged in surveying the head waters of the east branch of the Croton river, above the site of the proposed new reservoir, and the surveys have been extended into the valley of the Housatonic river to obtain the necessary data for making a definite plan or plans for drawing water from that river at some future time when the Croton may become inadequate for the city's supply.

#### THE AQUEDUCT.

The annual inspection of the interior of the Aqueduct took place on May 7th to 10th, and it was found to be in good condition. The water was shut off for 76 hours, during which time the reservoirs in Central Park were drawn down seven feet three inches, showing a daily consumption of 85,000,000 gallons of water. With the advent of the extremely warm weather the consumption increased to 98,000,000 gallons on June 29.

In addition to the ordinary care of the Aqueduct, the auxiliary structures, and the grounds, the work of strengthening this only conduit for our supply has been pushed forward as rapidly as the limited appropriation would permit. Seven hundred and forty lineal feet of additional arch have been built over the old masonry on the several divisions, 2,558 cubic yards of earth were taken from the top and placed on the side embankments, 365 cubic yards of retaining and protection walls built, and 600 cubic yards of stone quarried. Two stone culverts, including 95 cubic yards of stone masonry, were rebuilt; 900 feet of new board fence, and 800 feet of new picket fence were built.

The six-foot pipes laid in 1866-67, in Ninetieth street and in Eighth avenue, in place of the Masonry Aqueduct, and which practically form a part of the Aqueduct, continue to be a source of heavy expense for repairs. A gang of workmen has been steadily employed during the quarter, in repairing them. Thirteen of the pipes on the westerly line, and eighteen on the easterly line have been banded and repaired.

#### DISTRIBUTION OF CROTON WATER.

During the recent warm weather complaints have been frequent that water is not delivered with sufficient pressure to force it to the upper stories of houses in many localities, especially in the district which is supplied from the high-service reservoir. The engines and pumps which supply this reservoir

have performed their work without interruption, but the consumption of water has increased beyond the capacity of the high-service works. This increase is partly due to the excessive use of water in very warm weather, but principally to the large additions to the number of buildings and the population in that district. Many of the modern first-class houses are built for occupation by several families, in flats. Modern improvements in plumbing and building involve an increase in the consumption of water which is out of all proportion to the increase in population. In the session of 1877 a bill was introduced in the Legislature to authorize the construction and erection of additional pumping machinery to deliver water at higher levels, so that all the houses in the upper part of the city might be properly supplied. The bill failed to pass the Senate in 1877, but became a law at the last session. It requires that the work and expenditure be first authorized by a resolution of the Board of Aldermen, approved by the Mayor. The Department proposes to erect two pumping engines and a stand-pipe, with suitable buildings, on the lots between Ninety-seventh and Ninety-eighth streets, west of Ninth avenue, formerly occupied by the Aqueduct, and owned by the city. (On July 11, I submitted to the Board of Aldermen the necessary resolution to authorize the erection of the works.)

The pressure of water in the pipes of the regular distributing system is reduced by the constant and rapid extension of the pipes. During the two and a half years of my administration of this Department the length of Croton pipes has been extended 42 38-100 miles, or more than ten per cent. At the close of the quarter the daily consumption was equal to the daily delivery of the Aqueduct, and since then the consumption has exceeded the capacity of the Aqueduct. The consumption is greatest during business hours, while the delivery from the Aqueduct is uniform during the whole twenty-four hours of each day; consequently the pressure decreases during the day, and resumes its normal condition during the night. In many houses the water will reach the upper stories at night and morning, while it does not flow above the first floor during the day. All such houses can be provided with a constant full supply by the use of tanks, which are filled at night and drawn from in the day time. The general pressure of water can only be increased by providing additional conduits to bring water into the city.

During the quarter pipes have been laid and fire-hydrants set as follows :

1,130 lineal feet of 48 inch pipe.
7,090 " " 20 "
15,463 " " 12 "
15,063 " " 6 "

Total..... 38,746 lineal feet of pipe.

124 five-inch barrel hydrants.
180 three-and-a-half-inch barrel hydrants.
6 three-inch barrel hydrants.

Total..... 310 fire-hydrants.

For water furnished to shipping and for building purposes the sum of \$35,323.65 was collected. Seventy-six meters are now in use along the water front.

Eighty-one additional meters were placed in stables and manufacturing establishments.

The inspectors employed in the detection and prevention of waste of Croton water have visited 2,144 buildings, in 469 of which water was wasted from 608 orifices. In 36 cases the waste was due to willful neglect to close faucets, and in 572 cases to leaks in fixtures.

#### SUPPLY OF WATER FOR THE FUTURE.

I have in several of my reports treated very fully of the important question of an abundant supply of water for the future. I will now briefly present some views, derived from our latest investigations.

First—The present Aqueduct is now carrying water up to its fullest capacity, and, from the substantial repairs which have been made upon it during the past two years, the leaks, which had been considerable, have been reduced, so that loss from this cause is comparatively small. Waste in the city has also been much reduced by the introduction of meters on the docks, in stables, and at other places where water is used in large quantities, and also by inspection in private houses. Notwithstanding this state of things, the consumption during the present summer has been greater than the supply, as is evidenced by the fact that the level of the Central Park Reservoir has fallen several inches.

The condition of the water supply is essentially different from what it was last season. Then we were suffering from unprecedented drought, and there was a lack of water at the sources of the Croton. Now the streams and reservoirs, natural and artificial, in the Croton basin are full, and water is now, and for many days during the summer has been, running over the Croton Dam into the Hudson river. No draft has as yet been made upon the lakes or reservoirs, and, indeed, if the Hudson itself were pouring into the Croton basin, no greater quantity could be delivered daily at the city without additional conduits, the present Aqueduct being filled to its utmost capacity. It follows from this state of things, taken in connection with the growth of the city, and the rapid extension of water pipes, that an additional supply of water should be provided without unnecessary delay, by means of an additional conduit, and we are thus brought to the consideration of the best method of solving the problem. It is one which must be met, and, though it will entail expense upon the city, I should fail in my duty if I did not, in advance of absolute need, present the true state of the case, and propose the remedy.

Second—If the city were not in its present deplorable financial condition, loaded with an enormous debt, and overburdened with taxation, it would be the part of wisdom to prepare for the construction of a new and large aqueduct from the Croton basin. Such a work would require five years for its completion, and would cost at least twelve millions of dollars. I discard all propositions and suggestions to enlarge the present aqueduct, or to lay mains alongside of it, as impracticable. We cannot run the hazard of severing the single artery on which the very life of the city depends. Any work in such close proximity to it would subject it to such disaster.

Before the lapse of many years a new and large aqueduct must be built from the Croton basin to meet the wants of increasing population, and its capacity should be such that, when added to previously existing conduits, the combined flow of all should be sufficient for a city of three millions of inhabitants. Impressed, however, with the importance of postponing for some years the large outlay required for a new aqueduct, I have carefully considered the feasibility of some other means of providing an additional supply of water at a moderate cost, which shall meet the wants of the city for several years, and until it is better prepared to incur the cost of the greater work. In verbal and written communications to you I have indicated the Bronx and the Rye ponds as the source from which such auxiliary supply may be obtained. Further study of the question confirms this opinion, which is also sustained by that of the Chief Engineer of the Croton Aqueduct, based upon actual and careful surveys.

The Rye Ponds are situated on one of the branches of the Bronx, about five miles northeasterly of White Plains, and have an area of 219 acres. Their waters are pure, and the larger lake of the two is fifty or sixty feet in depth, and 291 feet above tide. It is proposed to erect a dam of eight feet at the outlet, by which six hundred millions of gallons may be stored. About one mile lower down, and on the main stream, another reservoir of nine hundred million gallons may be formed by a dam of thirty-five feet in height. These lakes, with the natural flow of the stream, will furnish ten millions of gallons daily, or one-ninth of the supply furnished by the Croton Aqueduct. It is practicable,



at very small cost, to lead into Rye Pond the flood water of Byrum river, by which a considerable additional supply may be obtained.

It is proposed to convey the waters of the Bronx by an iron pipe of 42 inches diameter and fifteen miles long to a receiving reservoir near Williamsbridge, elevated fifty feet above the Croton Aqueduct, whence so much of it as may be required can be distributed to the upper wards, and the remainder discharged into the Aqueduct or otherwise conveyed to other parts of the city. It is computed that three million gallons daily will suffice for the present supply of the Twenty-third and Twenty-fourth Wards, leaving seven million gallons to be added to the present supply south of the Harlem river.

The work is estimated to cost \$1,250,000. Iron pipe is now lower than at any previous period, our last purchase having been made at \$21 per ton. The time is therefore very favorable for such a work. The cost per million gallons will not exceed the cost for the same amount by the Croton Aqueduct, and considering that this latter work was constructed nearly forty years ago, when labor was cheap, the comparison exhibits the Bronx project in a favorable light. The elevation of the reservoir at Williamsbridge will furnish water by natural pressure to the high grounds of the annexed district, which are destined to be occupied by large and valuable buildings.

The country from which the supply is to be drawn is purely agricultural, and the water will be as potable as that of the Croton. About two years will be required to construct this work.

There is no other plan by which an equal quantity of water may be so cheaply and quickly added to our present supply. The present laws, which authorize the expenditure of not exceeding one million of dollars annually for increasing the supply of water, by the issue of bonds, will only need to be supplemented by an ordinance of the Common Council, but if additional legislation is necessary to carry out the work, it can, no doubt, be obtained on application of the city authorities. This work will always remain a valuable part of our water system, and I recommend that early steps be taken to put it in execution.

Third—For the greater supply of water which will be required in the more distant future by the medium of a new and large aqueduct from the Croton basin, reliance must be had upon the Croton water shed and the Housatonic river. The former, with an area of 340 square miles, will furnish, if the water be impounded in reservoirs, a supply at the present rate of consumption for more than double the present population. But as it is well not to rely altogether on stored water, my attention, as I have explained in previous reports, has been turned to the Housatonic. A party of engineers is now engaged in making a survey to ascertain the practicability and cost of drawing eighty or one hundred millions of gallons daily from that river, and of leading it to the Croton basin, whence it will flow to the city through the new aqueduct above spoken of. If this project be feasible, an abundant supply of water will, with the two aqueducts and the conduit from the Bronx, be assured for a population of three millions.

I have recently, with the Chief Engineer, made an examination of the Housatonic river, and the three lines of canal which are being surveyed for directing its waters to the head of the Croton. Which of the three will be preferable can only be ascertained by an instrumental examination, and it is not necessary that I should at this time enter into a minute description of the plan proposed, as this will be done in a special report on the close of the survey and completion of maps and estimates. The water appears to be pure and soft, the very few manufacturing works upon the stream above the point of effluence not being of a character to pollute it. The drainage area above the head of the proposed canal is 750 square miles, or more than double that of the Croton.

The Housatonic being in Connecticut, the consent of the Legislature of that State must be obtained for the construction of a canal, and the diversion of any part of the waters of this river. I believe the cost of water rights would be quite moderate. Although there are falls and rapids on this stream, affording good water power, very little use has been made of it. At Falls village, a water power canal was constructed several years ago, but it remains dry and unused to this day. Water power, unless situated near great markets, has been in great measure superseded by steam power. That is to say, the cost of transporting the raw and manufactured materials to and from the water power, situated inland, exceeds the cost of steam power, which may be planted on tide water, and close to market.

I shall look with interest to the results of the surveys now in progress, because of their bearing upon one of the most important questions connected with the growth and prosperity of the city. Although it may be some years before the actual work of the contemplated plan is undertaken, it is well to give the subject an early and exhaustive study, so that at the proper time the best mode and plan may be ready for execution.

Fourth—I would again urge the early commencement of the high-service works at Ninety-seventh street, near Ninth avenue, for which an ordinance is now before the Common Council. The rapid extension of water pipes, by which pressure is reduced, and the erection of buildings on the high grounds in the upper part of the city, make this improvement a necessity. It will cost about \$220,000.

The high-service works and the conduit from the Bronx will together not exceed one million five hundred thousand dollars in cost, a sum comparatively moderate, when we consider the great advantages which will follow from the outlay. In a mere financial view, the expenditure will be reimbursed by water rents and increased valuation of taxable property.

#### BUREAU OF WATER PURVEYOR.

During the quarter, new pavements have been laid in One Hundred and Twentieth street, from First avenue to the Harlem river, and in One Hundred and Fourteenth street, between Second and Fourth avenues, covering 9,292 square yards of pavement.

Under the Law of 1875 the following streets have been repaved:

Barclay street, from Broadway to College place.

Morris street, from Broadway to Greenwich street.

White street, from Broadway to Centre street.

Barrow street, from Washington place to West street.

Mercer street, from Canal to Bleecker street.

Washington square Roadway, from Fifth avenue to South Fifth avenue, covering 23,930 square yards of pavement.

Work is in progress in repaving:

Irving place, from Fourteenth to Twentieth street.

Fifteenth street, between Third and Fourth avenues, and between Broadway and Fifth avenue.

Fourteenth street, between University place and Ninth avenue.

Seventh avenue, between Fourteenth and Forty-third street.

Madison street, from Pearl to Market street.

Market street, from Division street to East river.

Clinton street, from Division street to East river.

Pearl street, from Broadway to New Bowery.

Water street, from Whitehall to Fulton street.

Twenty-third street, from Third avenue to East river.

Forty-second street, from Third to Fourth avenue.

Fifth avenue, from Fifty-ninth to Seventy-second street (Macadam pavement).

A contract has also been awarded, but not yet signed, for repaving Fifth avenue, from One Hundred and Twenty-fourth to One Hundred and Thirtieth street, with Macadam pavement.

The ordinary repairs to pavements have been prosecuted to the full extent that the appropriation would permit. About 110,000 square yards of pavement have been repaired.

Notwithstanding the progress made in the removal of wooden, concrete and rough cobble pavements, much yet remains to be done to put our streets in creditable condition. The wear and tear of old pavements keep pace with the improvements so far made, and there is no doubt that the whole sum allowed by the Law of 1875, \$500,000 per annum, could be profitably expended in repaving or several years to come, thereby advancing the two most important interests of the city—commerce and public health, which must inevitably suffer from bad pavements. It is my intention, with the consent of the Board of Estimate and Apportionment, and the Common Council, to apply nearly all

the surplus balances from other appropriations of this Department, to the necessary work of repaving and repairing streets.

#### PAVEMENTS FOR THE FUTURE.

Had half a million of dollars been appropriated and expended during each of the years 1876, 1877 and 1878, as authorized by law, considerable improvement would already have been apparent; instead of which the total sum appropriated by the Board of Estimate and Apportionment for repavement during these three years was five hundred thousand dollars. Some of the more important downtown thoroughfares, and a few of those up-town, have with this meagre sum been repaved in a substantial manner with stone blocks of approved dimensions at a very moderate cost per square yard. But when it is remembered that a single mile of such streets as Fourteenth street and Seventh avenue (both of which will in good part be renewed with granite this season) costs nearly seventy thousand dollars, it is very evident that progress in renovating some hundreds of miles of worthless pavements must be painfully slow with such inadequate means. It is of course very desirable that the tax levy should be kept down to the smallest proportions consistent with the preservation of health, comfort, and the interests of commerce; but I am assured by many tax-payers that they will cheerfully submit to the imposition of the small additional fraction required for a regular appropriation of \$500,000 every year for repavement, until the city shall assume a respectable appearance. It is the opinion of these tax-payers, in which I concur, that the annual levy may, without injury to the public interests, be materially reduced in other ways than by curtailing the indispensable work of renewing our pavements in a proper and durable manner. Accordingly, I shall again ask the Board of Estimate and Apportionment, as I have done for the past two years, to appropriate the full sum of \$500,000 for repaving in the year 1879, with the usual allowance for ordinary repairs, and I would most earnestly advise that this expenditure be authorized, and continued for each succeeding year, until the desired end is attained. By this process the cost of repairs, as well as of street cleaning, will annually decrease, while the saving in wear and tear of vehicles and horse flesh will be incalculable.

The opening of pavements for the laying of water and gas pipes, and for connecting sewers with houses, seriously affects their condition. The old water pipes have been found too small to meet the present enormous drain for fire and other purposes, hence the necessity of disturbing the pavements in many streets, in order that larger mains may take their place. This will of course soon end, especially in the older part of the city. The several gas companies which have received grants for laying mains must be permitted to carry on their work until their territory is fully laid. The greatest derangement of the pavements occurs in connecting buildings by means of transverse pipes with sewers and water and gas mains. These connections are made by plumbers licensed by this Department (except as to gas pipes, which are laid by the gas companies), who give bonds for compliance with the ordinances and regulations, and are required to take out special permits for each connection. Their number is very large (some seventeen hundred), and experience proves that their work in replacing the pavements is very imperfectly done. Some method must be adopted to cure this evil. If fixed rates were paid by the plumbers, the work of filling in the trench and replacing the stone might, out of the fund thus created, be done by employees of the Department. The objection to this method is that on some days there may be many connections made, and on others very few. The trenches must be refilled and recovered without delay, otherwise the city would be subjected to loss for damages. The force of men would be too fluctuating to make it effective, and it is not well to increase the number of city officials beyond actual necessity. The true plan is to impose the work of perfect restoration upon the plumber or householder. To secure this object without fail a fixed sum, sufficiently large, may be required to be paid into the Treasury on the issuing of each permit, to be returned after the lapse of a certain time, provided the pavement has been properly restored and kept in order. In case of failure the city to use so much of the money as may be necessary to do the work properly, the remainder to be forfeited and the license revoked. The only means which the Department now has of checking the evil is the revocation of licenses. The evil is so great that, until other means can be adopted, I shall revoke the licenses of all who fail to fulfill the ordinances. The following special notice will hereafter accompany each permit:

#### "Special Notice to Plumbers and Masons.

"The annexed permit is granted on the following conditions:  
"That the pavement over the excavation be replaced within five days after the connection or repairs have been made.

"That competent pavers only be employed in replacing the pavement.

"That clean earth, sand, or gravel only be used in filling the excavation.

"That the filling be deposited in layers not more than six inches thick, and that each layer be compactly rammed, so that there will be no sinkage or contraction after the pavement is replaced.

"That the pavement be maintained in good condition by the holder of the permit for the period of six months; and that he will see for himself that it is kept in order, and not wait for notice from the Department.

"The license of any one failing to comply with these conditions will be immediately revoked, and no further permit will be issued to him.

"(Signed)

ALLAN CAMPBELL,

"Commissioner of Public Works."

The authority of the Common Council will probably be required for the adoption of the other plan above suggested.

The question of the kind of pavement most proper for this great city is one of great interest and importance, and I have given the subject much consideration. Of the stone blocks, granite, from its being more regularly and uniformly quarried, makes the smoothest pavement. The trap-blocks obtained from the quarries of the Palisades make an excellent pavement, but sufficient attention has not heretofore been given to their quarrying and shaping. By a small additional expenditure these blocks may be made nearly equal to granite in shape and size, and, being at our very doors, may be delivered and laid at a cost of forty or fifty cents per square yard less than granite.

The Macadam pavement has been laid upon the Boulevards and other streets, and has answered a good purpose. The Fifth avenue, above Fifty-ninth street, is now being laid with a pavement of this character.

It is very desirable in certain streets to obtain a pavement which shall be noiseless and at the same time durable. The wooden pavement is utterly worthless from its perishable nature, and will always be associated with the frauds of recent years. Asphalt pavements are smooth and noiseless, and if their durability can be proven, may yet be found serviceable in certain localities.

Having investigated the character of the asphalt block pavement, and ascertained that it has stood the test of five years' traffic in some of the streets of Philadelphia, I felt desirous of laying down a short piece of it in Hanover street, between Wall street and Hanover square, where I had been requested by the owners and occupants on that narrow street to provide, if possible, a noiseless pavement in the renewal which has become necessary. As the Charter prevents the use of patent pavements, except with the consent of the Board of Estimate and Apportionment, the residents on Hanover street petitioned the Board to authorize its adoption there, to which I added a recommendation in favor of the work. The pavement was to be laid down at \$1.50 per square yard, the whole cost to be within one thousand dollars.

Upon this petition and recommendation the Comptroller, to whom the matter was referred, reported adversely, as follows:

"I respectfully represent that patent pavements have heretofore been disastrous failures in this city. In many of the principal streets and avenues trials of various kinds of pavements have been made at immense expense, upon representations and supposed evidence of their great value and superiority. The failure of these experimental pavements has subjected the city and property-owners to enormous loss and damage, the condition of the streets in many cases being almost impassable for a long time after the pavements were laid, occasioning great public inconvenience and annoyance, as well as injury to property and private rights.

"Stone-block pavements are found by experience to be the only satisfactory and reliable pavements for the climate and thoroughfares of this city.

"The Charter of 1873 contains stringent provisions against the use of patent pavements, and in view of this state of the law and the past experience in this city in regard to them, it would seem to



be inexpedient that the Board of Estimate and Apportionment should give the sanction of its authority to lay such pavement as is asked for in said petition and recommended by the Commissioner of Public Works."

This criticism upon the proposed plan for paving Hanover street is evidently made without any knowledge of the subject, and I maintain that the recommendation was proper and in the true interest of the city. The best plan of pavement for cities, which has engaged the attention of engineers and practical road makers for many years, can hardly be considered as settled by the above quoted opinion of the Comptroller. It is well known that the "patent" pavements alluded to, and which have proved such utter failures in this city, were the fraudulent jobs of the infamous cabal which ruled this city within the past few years, loaded it with debt, and robbed its Treasury. In considering so vital a question as the proper manner of paving our streets we should discard as mere sham and frauds the poultries of tar and wretched wooden blocks which were spread over miles of our streets, not for the promotion of health or commerce, but for a pretense to extort money from taxpayers, to be divided amongst the municipal officers and others, and to give work and place at the city's expense to an army of political followers. These wretched abortions may have been, as the Comptroller states, laid down "upon representation and supposed evidence of their great value and superiority," but as those who recommended and those who adopted were concerned in one common purpose of plunder, their disastrous failure is not to be wondered at, and affords no criterion at the present time when plans of pavements are to be tested and adopted on their merits. Allusion to these worthless and fraudulent jobs as an argument against the trial on a limited scale of the asphalt pavement, recommended by engineers and men of character, and attested by the actual experience of several years in other cities, cannot be considered tenable.

As a matter of fact, if we were to decide upon the stone-block pavements from the experience of past years in this city, they would have to be condemned; for, with few exceptions, they are but rough and irregular coverings, unworthy of a place in a metropolitan city, and only maintained in passable condition by constant and expensive repairs. Yet it would be very illogical, upon these facts, to condemn and discard the stone-block pavement. When well laid, with stone of proper size and shape, it is a superior pavement; the very best, in my opinion, for avenues of great traffic. Unfortunately, many of the block pavements have been laid in a most slovenly manner, with stones either too large or too small; some of them of pyramidal or wedge shape, with very small bearing surface, and no bond between adjoining stones. Many of these pavements were laid about the same time with the wood and poultries, and though not patented, were paid for at exorbitant rates, laid down under incompetent and corrupt officials, and can only be regarded as a part of the legacy of municipal fraud which have survived longer than their brethren of wood and tar from their inherent hardness, and not from any merit in plan or care in execution.

The specifications of the stone-block pavements have been altered within the past two years, inspectors of a better class have been appointed, and the result has been a much smoother and more durable pavement, at greatly reduced cost.

Although the stone-block pavement will continue mainly to be used, there are, as I have heretofore stated, localities where other classes of pavement may with advantage be adopted. I believe the macadam pavement in Fifth avenue, from Fifty-ninth street northerly, along the easterly margin of the Central Park, will be found most appropriate and attractive. This class of pavement requires careful attention in cleaning and sprinkling, and it is the business of the proper authorities to exercise such supervision. It is done in other cities and on the roads of the Central Park, and there is no reason why it should not be done here.

Asphalt pavements have been laid for short distances in several parks of the city, but under unfavorable circumstances, the asphalt having been spread over cobble or rough block pavements. Two or three of these experiments (I am not speaking of the sham pavements or poultries referred to by the Comptroller, but of veritable asphalt covering) have stood the test pretty well, and had they been laid on concrete foundations, would probably have done very well. They now need some repairs, but probably no more in proportion to the time in use and amount of traffic than stone pavements under similar circumstances. A portion of Pine street, between William and Pearl streets, has been recently laid with asphalt, at private expense, and will afford another test of the value and durability of this kind of pavement. All these trials are with asphalt laid on in one continuous covering. The asphalt paving blocks, of which I recommended the trial in Hanover street, and which have been successful in Philadelphia, are made of stone, crushed and heated to expel moisture, then incorporated with asphaltum into a uniform mass, which, by means of machinery, is converted into blocks, under a pressure of one hundred tons. The blocks are twelve inches long, five inches deep, and four inches wide, to be laid upon concrete or sand or gravel. An experiment was made several years ago in this city with blocks of similar shape, but of inferior manufacture. They are now made as above described, and compressed by enormous force into hard and compact blocks.

The following information in regard to this kind of asphalt pavement will be of general interest:

The Philadelphia house of Brown Brothers & Co. writes as follows: "Mr. Baldwin, the Commissioner of Highways (in Philadelphia), thinks it the best pavement of its kind; it is made like bricks and laid like bricks upon a gravel bed. One of the pavements on Sixth street has been laid five years, and is in very fair condition now; one or two that have come under our observation have been down from one to three years, and show very little wear; and the property-owners whom we have seen speak very favorably of it, as being durable, and as not conveying sound like stone pavements."

General Gilmore, U. S. A., writes, under date of April 15, 1878, to the Paving Company, as follows:

"In all the samples of your pavement which I examined in Philadelphia the blocks were set in a form of sand. It is necessary to speak of those only which have been down and subject to wear the longest period of time, viz.: two samples laid in 1873. One of them, in South Sixth street, was completed about July 1st of that year, and the other about three months later. No repairs have been made upon the blocks, nor have they been necessary upon either of these pieces of pavement since they were put down, and the blocks are now in excellent condition. For the purpose of determining the actual wear, or diminution of thickness of the blocks during the past five years, I procured one from the piece in front of Nos. 18 and 20. I found the abrasion of this block by wear mostly restricted to the upper edges and corners, which have rounded off in the same manner that granite blocks would wear under similar circumstances. The apparent wear upon the upper face of the block amounts to about one-fourth of an inch, equal to about one-twentieth inch per year for each year since they were laid down. As the blocks are uniform in composition, toughness, and hardness throughout their entire thickness, they can be taken up when the surface of the pavement becomes uneven and rough from unequal wear, and relaid bottom side up with all the smoothness of a new pavement. By thus relaying the blocks, which can be done at an expense of 12 to 15 cents per square yard, I should expect them to last upon streets subjected to the average traffic of large cities, from fifteen to seventeen years."

Colonel B. S. Alexander, of the United States Engineers, writes in reference to asphalt blocks, under date of August 17, 1875, as follows:

"I believe that these blocks, when their merits are once understood, are destined to supersede both wood and stone as a paving material for the principal streets in our cities. I believe they possess all the qualities for making a better pavement than any other material that has yet been tried. They will be cheap, durable, easily repaired, and almost noiseless. They will be unaffected by the vicissitudes of the weather or climate. They will admit of being readily taken up and replaced when new water or gas-pipes are to be laid."

Several gentlemen of Philadelphia make the following statements in regard to the asphalt block pavement in that city in front of their stores and offices:

"Its present condition (after more than three years' service, without having received any repairs whatever) appears as good as when first laid down; it has given such complete satisfaction as to warrant owners of adjoining property to pave the entire block with it."

"Up to this time (after more than four years' wear) there have been no repairs whatever, and we scarcely perceive any wear or tear. The travel for heavy hauling is as much as at any other point

in our city. The pavement is noiseless, does not make any dust, and affords a good hold for the horses in wet weather."

These pavements in Philadelphia have been examined by one of the Engineers of this Department, who reports that the above statements in regard to wear and general condition are substantially correct. They have all been laid upon sand. Had a foundation of concrete been used, still better results would probably have been attained, though at increased cost.

I have presented in some detail my reasons for recommending the trial of a short piece of this pavement in Hanover street. The whole cost would not exceed one thousand dollars; the pavement would undoubtedly last for several years, and we should learn from actual experience in one of our own streets its character, durability, and advantages or disadvantages. It will hardly be claimed that the wisdom of the world is centered in this municipality touching the best method of paving streets; and perhaps we may now and then not unwisely take a hint from other cities of this country and Europe. The climate of Philadelphia does not differ much from our own, and that of Boston, where many streets are being paved with asphalt, is much more rigorous. For these reasons I repeat the assertion that my recommendation of a trial of this small piece of pavement was based on experience, knowledge, and sound conservative views, and that the experiment would promote the true interests of the city. The vitally important matter of improving our streets should be considered without prejudice, partiality, or partisan feeling, and I submit that broader and more enlightened views than those expressed by the Comptroller must obtain if this great city is to assume and maintain a creditable condition in this respect.

#### BUREAU OF STREET IMPROVEMENTS.

Work has been in progress under seventeen different contracts for regulating, grading, curbing, guttering and flagging streets, exclusive of a number of small contracts for flagging sidewalks and fencing vacant lots.

The following works were completed during the quarter:

Regulating, grading, etc., Tenth avenue, from Ninety-fifth street to One Hundred and Tenth street, and One Hundred and Ninth street, from Third to Fifth avenue.

Curb, gutter and flagging in Fourth avenue, from Seventy-first to Seventy-ninth street, and in Sixty-third street, from First avenue to East river.

In my report for the fourth quarter of last year mention was made of the improvement in progress in Forty-second street, east of Second avenue, viz.: the excavation of a centre roadway as an approach to the river, and the construction of side roadways leading to the top of the hill west of First avenue, on the grade of the houses fronting on the street. The construction of the retaining walls and arch which support the upper roadways had progressed satisfactorily until June 28, when a section of the arch that had just been finished fell in. The fall was caused by the unequal loading of the arch, in violation of the contract and specifications.

There seems to be a misapprehension as to the obligation and duty of contractors in carrying on works which they have undertaken. Provision is made for the employment of Inspectors, whose duty it is to be upon any work to which they may be assigned, and they are required to be vigilant in the discharge of their duty; but this by no means relieves the contractor of his obligation to supervise his own work, and to fulfill to the letter the terms of the contract. If an Inspector is absent or negligent, or should even consent to the allowance of inferior work, this affords no excuse to the contractor, and he can be compelled to repair and rebuild at his own cost any work thus imperfectly done. The specifications are explicit, and the contractor can read in them his plain duty. On the work in question the contractor departed from the specifications, in the manner of covering the arch in uniform layers, and he must make good the work injured by such deviation. He has resumed work, and will be required to prosecute it with due diligence.

The following are the aggregate quantities of work done during the quarter under the direction of this Bureau:

7,957 cubic yards rock excavated.  
116,675 cubic yards filling put in embankment.  
10,758 lineal feet curb and gutter stones set.  
109,181 square feet flagging laid.  
1,048 cubic yards stone masonry built.  
573 cubic yards brick masonry built.

#### BUREAU OF SEWERS.

Five contracts for the construction of sewers were completed during the quarter, as follows:

Sewer in Fifty-first street, between First and Second avenues.  
Sewers in Eighth avenue, between Ninety-second and One Hundred and Fifth streets, with branches in Ninety-third and Ninety-sixth streets.

Sewers in Twelfth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-first streets, and in One Hundred and Thirty-first street, between Twelfth avenue and the Boulevard.  
Sewer in Ninety-ninth street, between the Boulevard and Tenth avenue.

Sewers in One Hundred and Nineteenth street, between Fourth and Fifth avenues, and in Fourth avenue, between One Hundred and Seventeenth and One Hundred and Twenty-first streets.

Work is now in progress on eleven contracts, for the construction of sewers and receiving-basins.

8,733 lineal feet of sewers, 584 lineal feet of culverts and 20 receiving-basins have been added to the sewerage system on Manhattan Island, which now comprises 364 72-100 miles of sewers and 4,429 receiving-basins. (The sewers in the Twenty-third and Twenty-fourth Wards are under the charge of the Department of Public Parks.)

With the comparatively small appropriation of \$60,000, the work of keeping these sewers and basins cleaned and in repair is promptly and efficiently performed by experienced men employed by the Department.

The following are the principal items of work done under this head during the past three months:

1,318 receiving-basins and culverts cleaned.  
2,865 lineal feet of sewers cleaned.  
502 lineal feet of sewers rebuilt.  
124 lineal feet of culverts rebuilt.  
3 receiving-basins and 8 manholes rebuilt.  
83 receiving-basins and 226 manholes repaired.  
24 new granite basins-heads furnished and set.  
84 new manhole frames and 103 new manhole covers furnished and set.  
15 new basin covers furnished.  
2,387 cart loads of dirt removed.

#### BUREAU OF STREETS.

The roads and unpaved streets under the charge of this Bureau have received proper attention.

Kingsbridge road, McComb's Dam road, Eighth avenue, north of One Hundred and Twenty-second street, Tenth avenue, from One Hundred and Forty-fifth to One Hundred and Fifty-ninth street, and Fifth avenue, from Ninetieth to One Hundred and Twenty-second street, which are extensively used for pleasure travel, have been sprinkled when necessary, to make driving comfortable.

McComb's Dam road connects Eighth avenue with the bridge over Harlem river, and with Jerome (late Central) avenue, the great pleasure drive of the annexed district. The travel over these roads is very great, and McComb's Dam bridge can be reached from the city by two routes only—the Seventh avenue and the Eighth avenue in connection with McComb's Dam road. This latter connection was recently interrupted by the filling in of Eighth avenue to the established grade, which at the junction with McComb's Dam road is about seventeen feet above the level of the old roadway. To keep open this necessary outlet and approach to the bridge, McComb's Dam road was filled in to the level of



Eighth avenue, 3,953 cubic yards of filling being required for the purpose; and the roadway was reconstructed for a distance of about 600 feet. The expense of this work was paid out of the small appropriation of \$20,000 for the care of the roads and unpaved streets.

## BUREAU OF LAMPS AND GAS.

By an act passed at the last session of the Legislature (chapter 125, Laws of 1878), authority is given to make contracts for lighting the public lamps for a period embracing parts of two fiscal years, thus overcoming the difficulty and inconvenience of changing the supply pipes to the lamps in midwinter, whenever the contracts for lighting certain lamps pass from one gas company to another, which has repeatedly occurred.

Proposals for lighting the lamps from May 1, 1878, to April 30, 1879, were opened on the 24th of April, and contracts were awarded as follows:

New York Gas Light Co., 3,170 lamps at \$12.00 per lamp.		
Manhattan " 6,597 " 12.00 "		
Metropolitan " 3,902 " 19.50 "		
N. Y. Mutual " 587 " 16.60 "		
Harlem " 3,782 " 21.00 "		
N. Y. & N. J. Globe 502 " 20.00 "		
Yonkers " 72 " 33.00 "		

This is an average reduction of over thirty per cent. on the prices paid for the preceding twelve months.

During the quarter the number of public lamps in use in the city was increased from 20,960 to 21,307.

Lamps were placed on the following piers along the river front: Foot of Gouverneur street, Fifth street and Thirty-seventh street, East river; Pier 1, North river, and piers foot of Thirty-fourth and Thirty-fifth streets, North river; also on the bulkheads foot of Canal street and Thirtieth street, North river, and along the open bulkheads on the East river, from the Battery to Grand street.

## BUREAU OF REPAIRS AND SUPPLIES.

Considerable improvements have been made in the interior of the City Hall to provide increased accommodation for the transaction of public business; the exterior marble work is being cleaned in the manner in which the interior was recently renovated. The exterior of the Hall of Records has been painted and cleaned. The Dispensary Building, at the corner of White and Centre streets, has been fitted up for the use of the Second District Civil Court, the Board of Assessors, and the Attorney for the Collection of Arrears of Personal Taxes. The interior of the County Jail, in Ludlow street, was thoroughly cleaned and whitewashed, and the roof painted. Necessary repairs and alterations were made in other public buildings, offices and court-rooms.

The necessary office supplies have been promptly furnished to the various departments, offices and courts, among which may be mentioned, as a measure of the extent of these supplies, over thirty-three tons of ice furnished in the buildings in City Hall Park alone.

The public baths were opened on the 1st of June, after having been put in thorough repair. The number of bathers to June 30, was as follows:

At bath foot of Bethune street, North river.....	50,800
" Fifth street, East river.....	100,504
" Gouverneur street, East river.....	77,678
" Thirty-fifth street, North river.....	34,207
" Thirty-seventh street, East river.....	61,009
" One Hundred and Fourteenth street, Harlem river.....	55,625
Total.....	379,823

## BUREAU OF INCUMBRANCES.

This Bureau has received during the quarter 1,369 complaints against obstructions on streets and sidewalks, each of which received prompt attention. In 38 cases it was necessary to seize the articles complained of, and to remove them to the corporation yards. In addition to these, 1,139 cartloads of stone and refuse material were removed from the various streets of the city. In accordance with a general ordinance, which prohibits the erection of awnings on Broadway, Fifth avenue, Lexington avenue, and Madison avenue, notices were served for the removal of all awnings and posts on or over the sidewalks on Broadway, from Chambers to Twenty-third street, and within thirty days all the notices had been complied with.

## BUREAU OF WATER REGISTER.

This Bureau has collected and paid into the City treasury during the quarter:

For Croton water rent .....	\$389,554 49
For penalties on Croton water rents.....	2,042 30
For permits to tap Croton pipes.....	1,958 50
Total.....	\$393,555 29

## OTHER REVENUE.

The Department has also collected:

For vault permits .....	\$13,156 93
For sewer permits .....	4,250 60
For sewer pipe sold to contractors.....	315 17
For inspection of work of elevated railroads.....	91 00
For articles removed as obstructions .....	192 35
Total.....	\$18,006 05

In view of the demoralizing effects upon the public service of assessments, for political purposes, upon the employees of the city, I have issued the following order for the government of this Department:

## "General Order."

"The collection of assessments or contributions for any political or party purpose from any officer, clerk, or other employee of this Department, within the offices, rooms or places, or on the works where such employees may be engaged, and the payment of the same by said employees within such offices and places, is hereby prohibited.

"The payment of such contributions is a private and personal matter, to be decided by every employee according to his own wishes and convictions, and is in no way connected with the public service, or his employment therein.

"Heads of bureaux and offices, and all others in charge of any of the works of this Department, will see that this order is enforced."

Respectfully submitted,

ALLAN CAMPBELL,

Commissioner of Public Works.

## Appendix "A."

Showing Titles of Appropriations; Amount of Appropriations and Transfers of 1877; Requisitions on Liabilities of 1877, to April 1, 1878; Requisitions on Liabilities of 1877, during Second Quarter, 1878; Balances of 1877 on July 1, 1878; Appropriations and Transfers for 1878; Requisitions, First Quarter, 1878; Requisitions, Second Quarter, 1878; and Balances of Appropriations of 1878 on July 1, 1878, together with the Titles and Conditions of the Trust Accounts on July 1, 1878.

TITLES OF APPROPRIATIONS.	APPROPRIATIONS AND TRANSFERS, 1877.	REQUISITIONS ON LIABILITIES OF 1877, TO APRIL 1, 1878.	REQUISITIONS ON LIABILITIES OF 1877, SECOND QUARTER, 1878.	BALANCES OF 1877 ON JULY 1, 1878.	APPROPRIATIONS AND TRANSFERS, 1878.	REQUISITIONS, FIRST QUARTER, 1878.	REQUISITIONS, SECOND QUARTER, 1878.	BALANCES OF 1878 ON JULY 1, 1878.
Aqueduct—Repairs and Maintenance.....	\$103,000 00	\$102,983 50	.....	\$16 50	\$100,000 00	\$12,228 19	\$35,885 14	\$51,886 67
Boulevards, Roads, and Avenues, Maintenance of.....	45,000 00	44,904 09	\$85 62	10 29	40,000 00	7,165 53	10,942 78	21,891 69
Contingencies—Department of Public Works.....	2,700 00	2,639 55	.....	60 45	2,500 00	127 90	295 50	2,076 60
Flagging Sidewalks and Fencing Vacant Lots.....	1,000 00	260 00	.....	734 00	1,000 00	.....	51 92	948 08
Free Floating Baths.....	7,371 44	7,217 44	77 00	77 00	8,000 00	217 50	1,607 86	6,714 64
Lamps and Gas.....	30,130 87	13,571 60	.....	16,559 27	16,559 27	434 50	3,113 10	13,011 61
Public Buildings—Construction and Repairs.....	633,095 05	632,376 24	.....	519 71	581,500 00	91,283 35	129,902 23	300,314 42
Public Drinking Hydrants.....	43,934 82	43,852 30	.....	82 52	40,000 00	6,032 90	10,026 81	23,940 29
Removing Obstructions in Streets and Avenues.....	2,500 00	2,499 57	.....	43	3,000 00	204 81	805 24	1,989 95
Repairing and Renewal of Pipes, Stop-cocks, etc.....	1,884 49	1,884 49	.....	115 31	4,000 00	904 88	822 05	2,273 97
Repairing under chapter 476, Laws of 1875.....	104,880 41	101,912 14	1,620 43	1,347 84	90,000 00	17,572 20	22,796 20	49,631 60
Repairs and Renewal of Pavements.....	211,000 00	199,029 41	.....	11,970 59	300,000 00	601 66	63,013 73	236,384 61
Roads and Avenues, and Sprinkling.....	183,000 00	182,714 21	200 00	85 79	150,000 00	4,340 41	4,684 80	98,825 79
Salaries—Department of Public Works.....	21,500 00	21,497 62	.....	2 38	20,000 00	917 78	4,494 97	14,587 25
Sewers—Repairing and Cleaning.....	100,000 00	99,950 12	.....	49 88	95,000 00	23,478 88	23,487 21	48,033 91
Street Improvements—For Street Signs, etc.....	52,800 00	50,025 19	683 10	2,091 71	60,000 00	6,861 68	14,062 94	39,075 38
Supplies for and Cleaning Public Offices, etc.....	1,000 00	623 20	.....	376 80	1,000 00	350 00	18 00	632 00
Supplying Water to Shipping and for Building Purposes.....	102,628 56	102,478 92	2 50	147 14	90,000 00	24,891 34	22,436 95	42,671 71
Wells and Pumps—Repairing and Cleaning.....	3,000 00	2,417 59	.....	582 41	8,000 00	1,950 00	2,021 00	4,029 00
Totals.....	\$1,650,542 05	\$1,613,043 18	\$2,668 65	\$34,830 22	\$1,614,159 27	\$199,633 82	\$392,736 43	\$1,021,789 02

TRUST ACCOUNTS.	AMOUNT AUTHORIZED BY BOARD OF ESTIMATE AND APPORTIONMENT.	AMOUNT CALLED FOR BY COMMISSIONER OF PUBLIC WORKS.	AMOUNT OF REQUISITIONS TO APRIL 1, 1878.	AMOUNT OF REQUISITIONS, SECOND QUARTER, 1878.	AMOUNT TO CREDIT, JULY 1, 1878.
Additional Alterations of Aqueduct, Ninety-third to One Hundred and Thirteenth street.....	\$3,550,000 00	\$3,600,000 00	\$3,598,439 45	.....	\$1,560 55
Additional Alterations of Aqueduct, One Hundred and Eighteenth to One Hundred and Forty-second street.....	65,165 57	100,000 00	57,515 93	.....	42,484 07
Boulevards, Roads, etc.—Assessment Fund.....	.....	185,990 84	165,986 51	\$1,630 10	20,004 33
Croton Water Works Extension—High Service, Carmansville.....	.....	127,729 29	127 48 02	.....	311 27
Croton Water Works Extension—Storage Reservoir.....	1,200,000 00	1,200,000 00	1,147,993 36	30,194 58	21,822 06
Croton Water Fund.....	3,625,000 00	3,750,000 00	3,702,957 80	.....	47,042 20
Croton Water-main Fund, No. 2.....	988,000 00	1,238,000 00	.....	108,458 05	355,653 95
Meter Stock.....	50,500 00	1,025,000 00	*706,226 46	3,386 38	15,387 16
Pavement Repair Stock.....	50,000 00	.....	.....	.....	50,000 00
Sewer Repair Stock.....	245,000 00	373,000 00	299,436 97	.....	73,563 03
Street Improvement Fund.....	.....	.....	.....	152,143 75	.....
Water Stock of 1870.....	500,000 00	500,000 00	499,914 37	.....	85 63

\* Under litigation for Navarro Meter Contract, \$700,000

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



## Appendix "B."

A Statement in detail of Expenditures of the Department of Public Works, and for which Requisitions for Payment were drawn on the Comptroller, during the Quarter ending June 30, 1878.

## APPROPRIATIONS.

## Aqueduct—Repairs and Maintenance—

Castings	\$2,559 00
Cement and brick	2,011 95
Coal	3,851 20
Flower plants	40 00
Horsekeeping	97 20
Lumber	274 84
Paints and oils	1,126 45
Pay-rolls	23,719 38
Repairing engine	231 20
" tools	98 69
Supplies	866 01
Taxes	300 59
Tools	489 16
Traveling expenses	219 47

Total.....\$35,885 14

## Boulevards, Roads, and Avenues, Maintenance of—

Coal	\$18 00
Gravel	225 00
Horsekeeping	40 51
Paving gutters	212 27
Pay-rolls	9,559 39
Rent of office	96 00
Repairing sprinklers	85 10
Sand and clay	594 72
Tools	54 54
Trees, etc.	57 25

Total.....\$10,942 78

## Boulevards, etc., Maintenance of, for 1877—

Bolts, screws, etc.	\$85 62
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## Contingencies—Department of Public Works—

Incidental expenses	\$200 00
Traveling expenses	95 50

Total.....\$295 50

## Flagging and Fencing in front of City Property—

Flagging at City Arsenal	\$51 92
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## Free Floating Baths—

Pay-rolls	\$152 50
Painting baths	440 00
Repairing baths	338 76
" roof	22 60
" tanks	400 00
Saloon hopper	18 00
Storage	216 00
Towing	80 00

Total.....\$1,667 86

## Free Floating Baths, for 1877—

Watching baths	\$77 00
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## Free Floating Baths (Additional)—

Pay-rolls	\$317 50
Painting baths	860 00
Repairing baths	350 85
" roofs	55 00
" tanks	700 00
Saloon hopper	73 75
Storing baths	594 00
Supplies	2 00
Towing baths	160 00

Total.....\$3,113 10

## Lamps and Gas—

Analytical apparatus	\$60 00
Burners	91 50
Columns	93 75
Crossheads	280 00
Lamps	1,493 75
Lamp brackets	95 00
Lamp globes	200 00
Lamp irons	249 50
Lamp-posts	1,665 50
Lamp registers	175 00
Lighting Brown Stone Building	28 31
" City Hall	517 18
" County Jail	421 23
" Court, 2d District Civil	12 73
"    " 4th	5 13
"    " 5th	3 42
"    " 6th	1 90
"    " 8th	5 32
" 1st District Police	216 03
"    " 2d	43 70
"    " 3d	74 86
"    " 4th	76 28
"    " 5th	17 87
" Marine	6 46
" Special Sessions	1 90
Department of Buildings	2 09
Engine-house (High Bridge)	159 49
Market, Catharine	72 20
" Centre	235 79
" Clinton	203 49
" Essex	91 58
" Fulton	491 60
" Jefferson	109 44
" Tompkins	164 92
" Union	49 21
" Washington	480 32
New Court-house	851 01
Office Corporation Attorney	50 54
Engineers—Boulevard	1 65
Receiver of Taxes	183 16
Photometrical Rooms	74 00
Rivington Street Yard	2 85
South Gate-house	8 52
streets, Central Gas-light Co	18,538 35
" Harlem	24,663 33
" Manhattan	26,651 50
" Metropolitan	19,771 62
" New York	12,658 34
" N. Y. Mutual	3,183 71
" N. Y. and N. J. Globe Gas-light Co	675 70
" Suburban	12,390 42
" Yonkers	630 00

## Lamps and Gas—

Map of Gas Districts	\$200 00
Pay-rolls	1,206 00
Rent of offices	162 50
Tools	8 78
Traveling expenses	93 80

Total.....\$129,902 23

## Public Buildings—Construction and Repairs—

Brown Stone Building	\$218 51
Bureau Repairs and Supplies (sundry)	288 58
City Arsenal	173 69
City Hall	2,437 30
City Prison	79 51
County Jail	535 96
Court-house, 3d District	1,068 16
" 7th	47 31
Court, 1st District Civil	216 70
" 6th	262 23
" 1st District Police	2 25
" 3d	22 39
Dog Pound	61 50
Dispensary	1,394 34
Engine-house (High Bridge)	7 50
Market, Clinton	165 02
" Fulton	114 17
" Tompkins	78 50
" Union	11 22
" Washington	580 40
New Court-house	204 81
No. 49 Beekman street	120 94
Nos. 81, 83, and 89 Chatham street	261 36
No. 91 Chatham street	72 50
No. 53 Spring street	82 93
Office Corporation Counsel	43 05
" Register	945 48
Pay-rolls	530 50

Total.....\$10,026 81

## Public Drinking-hydrants—

Repairing	\$805 24
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## Removing Obstructions in Streets and Avenues—

Carting and labor	\$395 05
Pay-rolls	364 50
Traveling expenses	62 50

Total.....\$822 05

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

Cement and clay	\$27 00
Coal and coke	61 50
Horsekeeping	114 35
Hydrant boxes	275 00
Hydrants and stop-cocks	1,544 24
Lumber	184 26
Oil	67 50
Pay-rolls	19,814 75
Repairing hydrants	207 48
Rubber hose	118 18
Tools	211 94
Waste cocks	170 00

Total.....\$22,796 20

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

Stop-cock boxes and covers	\$732 43
Tapping cocks	888 00

Total.....\$1,620 43

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

Pay-rolls	\$773 50
Repaving Barrow and White streets	11,138 89
" Madison, Market, and Clinton streets	5,757 50
" Pearl and Water streets	6,872 25
" Washington square and Mercer street	23,070 49
" Fourteenth street, between University place and Ninth avenue	15,375 50
Tools	25 60

Total.....\$63,013 73

## Repairs and Renewal of Pavements—

Belgian blocks	\$5,762 50
Bridge stone	500 00
Broken stone	256 62
Laying crosswalks	118 61
" pavement	1,161 47
Oil	43 35
Pay-rolls	33,986 42
Repairing tools	443 85
Sand	2,275 00
Tools	863 15
Trucking stone	1,413 83

Total.....\$46,824 80

## Repairs and Renewal of Pavements, for 1877—

Sand	\$200 00
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## Roads and Avenues, and Sprinkling—

Broken stone	\$680 00
Pay-rolls	3,655 37
Repairing tools	33 10
Tools	64 00
Traveling expenses	62 50

Total.....\$4,494 97

## Salaries—Department of Public Works—

Pay-rolls	\$23,487 21
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## Sewers—Repairing and Cleaning—

Basin heads, etc	\$78 00
Brick and sand	177 50
Cement	86 25
Cleaning basins and culverts	2,400 00
Lumber	678 28
Man-hole frames and covers	668 11
Pay-rolls	8,584 20
Repairing basins	1,264 72
" sewer	130 49
Tools	55 39

Total.....\$14,062 94

## Sewers—Repairing and Cleaning, for 1877—

Rebuilding sewer	\$683 10
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Street Improvements—For Street Signs, etc.—	
Resetting monument stone.....	\$18 00
Supplies for and Cleaning Public Offices—	
Board of Aldermen.....	\$3 75
Assessors.....	489 43
Brown Stone Building.....	33 15
Bureau Repairs and Supplies.....	320 83
City Hall.....	263 06
County Jail.....	18 00
Court, 1st District Civil.....	11 25
“ 2d “.....	258 96
“ 3d “.....	27 00
“ 4th “.....	103 41
“ 5th “.....	120 50
“ 6th “.....	188 54
“ 7th “.....	64 43
“ 8th “.....	41 20
“ 9th “.....	86 60
“ 1st District Police.....	93 58
“ 2d “.....	161 90
“ 3d “.....	7 30
“ Common Pleas.....	23 36
“ Marine.....	36 99
“ Special Sessions.....	16 00
Department of Buildings.....	8 00
“ Finance.....	174 16
“ Public Works.....	585 18
“ Taxes and Assessments.....	28 00
New Court-house.....	850 34
Office, City Record.....	19 00
“ Collector Arrears Personal Taxes.....	159 35
“ Corporation Counsel.....	129 43
“ County Clerk.....	7 25
“ District Attorney.....	32 25
“ Mayor.....	92 12
“ Register.....	75 00
“ Surrogate.....	41 50
Pay-rolls.....	17,866 13
Total.....	\$22,436 95

Supplies for and Cleaning Public Offices, for 1877—	
Fourth District Police Court.....	\$250 00
Supplying Water to Shipping, etc.—	
Pay-rolls.....	\$2,021 00
Well and Pumps—Repairing and Cleaning—	
Repairing pumps.....	\$68 00

## RECAPITULATION OF APPROPRIATIONS.

Aqueduct—Repairs and Maintenance.....	\$35,885 14
Boulevards, Roads, and Avenues—Maintenance of.....	10,942 78
“ “ “ for 1877.....	85 62
Contingencies—Department of Public Works.....	295 50
Flagging and Fencing in front of City Property.....	51 92
Free Floating Baths.....	1,667 86
Free Floating Baths, for 1877.....	77 00
“ (Additional).....	3,113 10
Lamps and Gas.....	129,902 23
Public Buildings—Construction and Repairs.....	10,026 81
Public Drinking Hydrants.....	805 24
Removing Obstructions in Streets and Avenues.....	822 05
Repairing and Renewal of Pipes, Stop-cocks, etc.....	22,796 20
“ “ “ for 1877.....	1,620 43
Repaving, under Chapter 476, Laws 1875.....	63,013 73
Repairs and Renewal of Pavements.....	46,824 80
“ “ “ for 1877.....	200 00
Roads and Avenues, and Sprinkling.....	4,494 97
Salaries—Department of Public Works.....	23,487 21
Sewers—Repairing and Cleaning.....	14,062 94
“ “ “ for 1877.....	683 10
Street Improvements—For Street Signs, etc.....	18 00
Supplies for and Cleaning Public Offices.....	22,436 95
“ “ “ for 1877.....	2 50
Supplying Water to Shipping, etc.....	2,021 00
Wells and Pumps—Repairing and Cleaning.....	68 00
Total.....	\$395,405 08

## FUND AND TRUST ACCOUNTS.

## CROTON WATER FUND.

Building reservoir at South East.....	\$12,832 47
Horsekeeping.....	120 00
Incidentals.....	541 16
Legal services.....	10,987 07
Office rent.....	65 00
Pay-rolls.....	5,266 86
Taxes.....	34 52
Traveling expenses.....	37 50
Witness service.....	300 00
Total.....	\$30,184 58

## CROTON WATER-MAIN FUND.

Building stop-cock vault.....	\$1,685 20
Cast-iron pipe, etc.....	41,086 00
Castings.....	131 99
Horsekeeping.....	100 00
Hydrant boxes.....	893 75
Hydrants and stop-cocks.....	11,116 60
Laying mains.....	27,567 96
Lumber.....	47 73
Pay-rolls.....	21,521 33
Pipe yarn.....	176 85
Sand.....	525 00
Stop-cock boxes and covers.....	3,158 00
Tools.....	364 05
Traveling expenses.....	83 39
Total.....	\$108,458 05

## METER STOCK.

Connecting at stables.....	\$1,253 38
Water meters.....	2,133 00
Total.....	\$3,386 38

## STREET IMPROVEMENT FUND.

Curb, Gutter and Flagging—	
Fourth avenue, between Seventy-first and Seventy-ninth streets, J. D. Moore, contractor.....	\$2,122 42
Sixty-third street, between First avenue and East river, James Baird, contractor.....	1,744 83
Total.....	\$3,867 25

Fencing—	
Fifty-seventh street, south side, between Second and Third avenues, P. Burns, contractor.....	\$26 55
Fifty-sixth street, at northeast corner Madison avenue, P. Burns, contractor.....	32 80
Eighty-third street, at northeast corner Second avenue, G. Palmer, contractor.....	13 00
Total.....	\$72 35
Flagging—	
Twenty-second street, between First avenue and Avenue A, T. L. Butler, contractor.....	\$286 00
Fifty-eighth street, between Lexington and Fourth avenues, J. T. McDonald, contractor.....	142 87
Total.....	428 87
Laying Crosswalks—	
Lexington avenue, at One Hundred and Twenty-ninth and One Hundred and Thirtieth streets, P. Burns, contractor.....	346 36
Paving—	
Fourth avenue, at Seventy-first street, James Everard, contractor.....	\$47 00
Little Twelfth street, between Tenth and Thirteenth avenues, George A. Treacy, contractor.....	179 10
Fifty-sixth street, between Sixth and Seventh avenues, George A. Treacy, contractor.....	271 67
One Hundred and Thirteenth street, between Third and Fourth avenues, James Everard, contractor.....	303 00
One Hundred and Fourteenth street, between Second and Fourth avenues, W. A. Cummings, contractor.....	6,342 60
One Hundred and Twentieth street, between First avenue and Harlem river, James Riley, contractor.....	4,582 76
Total.....	11,726 13
Retaining Wall, etc.—	
Forty-second street, between First and Second avenues, J. R. Byron, contractor.....	7,270 55
Receiving-basins—	
Fourth street, at Sixth avenue, Chris. Keyes, contractor.....	\$70 00
Seventieth street, at Fourth avenue, southeast corner, William Taylor, contractor.....	53 60
Seventy-fourth street, at Avenue A, northwest corner, Lawrence Rock, contractor.....	192 50
Total.....	316 10
Regulating, Grading, etc.—	
Ninth avenue, between Seventy-second and Eighty-first streets, T. Smith, contractor.....	\$2,486 40
Tenth avenue, between Ninety-fifth and One Hundred and Tenth streets, J. Slattery, contractor.....	6,065 64
Seventieth street, between Third avenue and East river, J. S. Masterson, contractor.....	19,673 07
Seventy-first street, between Fifth avenue and East river, H. Polye, contractor.....	2,125 20
Ninety-sixth street, between Boulevard and Hudson river, A. Dowdney, contractor.....	2,940 00
One Hundred and Twenty-fifth street, between Eighth avenue and Harlem river, Mills & Ambrose, contractors.....	29,485 40
Total.....	62,775 71
Sewers—	
First avenue, between Ninety-second and One Hundred and Tenth streets, J. C. Dowling, contractor.....	\$9,020 90
Eighth avenue, between Ninety-second and One Hundred and Fifth streets, Alex. Lutz, contractor.....	10,094 97
Tenth avenue, between Seventy-seventh and Eighty-first streets, B. Noonan, contractor.....	2,417 10
Eleventh avenue, between Sixtieth and Sixty-fourth streets, J. H. McCabe, contractor.....	3,392 06
Eleventh avenue, between Sixty-sixth and Seventy-sixth streets, Crimmins & Dowdney, contractors.....	6,518 75
Forty-second street, between Third avenue and East river, J. Mulholland, contractor.....	6,006 73
Fifty-first street, between First and Second avenues, T. H. Casey, contractor.....	2,560 30
Fifty-ninth street extension, J. J. Jones, contractor.....	74 80
Ninety-fourth street, between Third and Fourth avenues, E. Bradburn, contractor.....	1,068 20
One Hundred and Third street, between Fourth and Lexington avenues, T. Scanlon, contractor.....	92 20
One Hundred and Nineteenth street, between Fourth and Fifth avenues, J. G. Smith, contractor.....	2,146 76
One Hundred and Fifty-first street, between Tenth avenue and Boulevard, M. Flanagan, contractor.....	142 60
One Hundred and Fifty-second street, between Tenth and St. Nicholas avenues, William Taylor, contractor.....	85 20
Total.....	43,620 57
Miscellaneous expenses.....	544 68
Pay-rolls, Engineers, Sewers.....	11,004 66
“ Inspectors, Paving.....	353 50
“ “ Regulating, Grading, etc.....	2,108 00
“ “ Sewers.....	4,068 00
Surveyor's fees.....	3,641 02
Total.....	\$152,143 75

## STREET IMPROVEMENTS, ABOVE FIFTY-NINTH STREET.

Sixth Avenue Planting—	
Pay-rolls.....	\$13 36
Trees.....	3 74
Total.....	\$17 10
Seventh Avenue Planting—	
Pay-rolls.....	\$34 37
Trees.....	10 08
Total.....	44 45
Boulevard Planting—	
Pay-rolls.....	47 64
One Hundred and Tenth Street Planting—	
Pay-rolls.....	\$123 74
Trees.....	373 88
Total.....	497 62
Avenue St. Nicholas Planting—	
Pay-rolls.....	\$159 03
Trees.....	22 69
Total.....	181 72
Ninety-sixth street, between First and Fifth avenues—	
Pay-rolls.....	149 23
Tenth avenue, between One Hundred and Tenth and Manhattan streets—	
Pay-rolls.....	692 34
Total.....	\$1,630 10

## RECAPITULATION OF TRUST ACCOUNTS.

Croton Water Fund.....	\$30,184 58
Croton Water Main Fund.....	108,458 05
Meter Stock.....	3,386 38
Street Improvement Fund.....	152,143 75
Street Improvements above Fifty-ninth street.....	1,630 10
Total.....	\$295,802 86

## GENERAL SUMMARY.

Appropriations.....	\$395,405 08
Trust Accounts.....	295,802 86
Grand Total.....	\$691,207 94



## Contracts made during the Three Months ending June 30, 1878.

DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	AMOUNT.
1878.	<i>Sewers.</i>			
Apr. 17	Sewer in Seventy-sixth street, between Boulevard and Eleventh avenue.....	George A. Treacy, 338 W. 59th street...	M. Treacy, 338 W. 59th street... P. Treacy, 263 W. 42d street...	\$1,565 00
" 22	Sewer extension in Forty-fourth and Forty-fifth streets, with alterations to existing sewers in Sewerage District No. 2.....	Terrence Smith, 341 E. 30th street...	W. Baird, 310 E. 57th street... M. Baird, 306 E. 57th street...	11,577 00
" 23	Sewer in Twelfth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-first streets, and in One Hundred and Thirty-first street, between Twelfth avenue and Boulevard...	William E. Dean, 351 E. 17th street...	Charles Jones, 203 E. 82d street... Rob't Prior, 126th st. & B'way...	2,663 75
May 4	Sewer in Ninety-ninth street, between Boulevard and Tenth avenue...	Frans Stollmeyer, 22 E. 75th street...	D. Babcock, 16 Broadway..... H. Stollmeyer, 22 E. 75th street....	1,025 50
" 25	Outlet sewer at foot of Vesey street, Hudson river, and in West street, between Vesey and Barclay streets.	Daniel Gallagher, 306 E. 112th street...	P. F. Maginn, 416 W. 57th street... W. Kane, 126 E. 70th street....	12,810 00
June 15	Sewer in New avenue, west of Morningside Park, and in One Hundred and Twenty-second street, between One Hundred and Sixteenth street and Tenth avenue.....	James Everard, 51 E. 29th street...	Sheridan Shook, 243 W. 34th street... A. J. Dittenhoefer, 16 W. 49th street....	16,566 00
" 26	Sewer in One Hundred and Tenth street, between New avenues, between Eighth and Ninth avenues, and Ninth avenue; and in New avenue, west of Morningside Park, between One Hundred and Tenth and One Hundred and Sixteenth streets.....	Michael Noonan, 11 W. 123d street...	William Hullivan, 11 W. 123d street... John W. Manning, 349 W. 83d street....	15,155 00
" 27	Sewer in Seventieth street, between First and Second avenues.....	C. Devlin & Jno. McKim, 326 E. 58th street...	Benj. Richardson, 125th st. & 4th ave... Geo. W. Manchester, 321 E. 116th street....	3,151 40
" 27	Sewers in One Hundred and Thirty-second and One Hundred and Thirty-third streets, between Sixth and Seventh avenues.....	C. Devlin & Jno. McKim, 326 E. 58th street...	Benj. Richardson, 125th st. & 4th ave... Geo. W. Manchester, 321 E. 116th street....	1,984 00
" 28	Sewer in Fourth avenue, west side, between One Hundred and Twenty-third and One Hundred and Twenty-fifth streets.....	C. Devlin & Jno. McKim, 326 E. 58th street...	Benj. Richardson, 125th st. & 4th ave... Geo. W. Manchester, 321 E. 116th street....	2,400 40
				\$68,898 05
	<i>Regulating, Grading, etc.</i>			
" 27	Regulating, grading, etc., Seventieth street, from Eighth to Tenth avenue.....	C. Devlin & Jno. McKim, 326 E. 58th street...	Benj. Richardson, 125th st. & 4th ave... Geo. W. Manchester, 321 E. 116th street....	\$13,857 50
" 29	Setting curb and gutter stones, etc., Seventy-sixth street, from First avenue to Avenue A.....	John Slattery, 788 Fourth avenue...	James Slattery, 207 W. 57th street... William Hullivan, W. 53d street....	861 00
" 10	Flagging, full width, Sixtieth street, from the Boulevard to Ninth avenue.....	James Reilly, 127th st. and B'way.	James Pettit, Manhattan street... T. F. Tone, 130th st., North river.	1,100 00
				\$5,818 50
	<i>Paving, etc.</i>			
Apr. 30	Paving One Hundred and Fourteenth street, between Second and Fourth avenues, with Belgian pavement.....	William A. Cumming, 5 Dey street.....	Alexander Milne, ft. of E. 29th street... James Sinclair, ft. of E. 29th street...	\$7,047 58
" 30	Paving Eleventh avenue, from Fifty-ninth to Sixty-fifth streets, with Belgian pavement.....	William A. Cumming, 5 Dey street.....	Alexander Milne, ft. of E. 29th street... James Sinclair, ft. of E. 29th street...	14,492 90
June 15	Paving Eighty-second street, between Third and Fifth avenues, with Belgian pavement.....	John M. Shannon, Jersey City.....	W. Baird, 310 E. 57th street... W. C. Traphagen, 14 E. 63d street....	6,286 50
" 15	Paving Lexington avenue, between Seventy-fourth and Seventy-ninth streets, with Belgian pavement...	John M. Shannon, Jersey City.....	W. Baird, 310 E. 57th street... W. C. Traphagen, 14 E. 63d street....	7,190 92
" 18	Paving new road built on northeast side of new reservoir, in the town of South East, Putnam County.....	M. A. Kellogg, Alexander ave., bet. 135th & 136th streets.	Robert Prior, 2389 Third avenue... M. B. Brown, 770 Lexington avenue	7,395 00
" 18	Laying crosswalks across Fourth avenue at intersections of One Hundred and Tenth, One Hundred and Eleventh, One Hundred and Twelfth, and One Hundred and Thirteenth streets.....	P. J. Masterson, 7th ave. & 127th st.	E. C. Sheehy, 1453 Third avenue... Thomas Pierson, 10 E. 84th street....	978 12
				\$43,391 02
	<i>Awarded under Chapter 476, Laws of 1875.</i>			
Apr. 2	Paving Barclay street, between Broadway and College place, and Morris street, between Broadway and Greenwich street, with granite block pavement.....	Owen Gearty, 249 E. 43d street...	John McGurran, 686 Second avenue... John G. Carey, 141 W. 46th street...	\$7,681 30
" 12	Paving Pearl street, between Broadway and New Bowery, and Water street, between Whitehall and Fulton streets, with Belgian pavement.....	Denis McGrath, Weehawken.....	Sam'l McCormick, 507 W. 42d street... John Mulholland, 73d st., bet. 1st & 2d ave.	22,442 32
" 30	Paving Fourteenth street, between University place and Ninth avenue, with granite pavement.....	Leonard W. Johnson, 414 W. 34th street...	Noah A. Childs, 152 E. 63d street... John G. Smith, 329 W. 48th street...	35,593 00
May 4	Paving Madison street, between Pearl and Market streets, Market street, between Division street and East river, and Clinton street, between Division street and East river, with Belgian pavement....	John Slattery, 788 Fourth avenue...	James Slattery, 207 W. 57th street... William Hullivan, 349 W. 53d street....	27,923 00
" 13	Paving Seventh avenue, between Fourteenth and Forty-third streets (except the horse paths of the Seventh Avenue Railroad), with granite pavement.....	Leonard W. Johnson, 414 W. 34th street...	Noah A. Childs, 152 E. 63d street... William Baird, 310 E. 57th street....	83,712 00
" 25	Paving Fifth avenue, from Fifty-ninth to Seventy-second street, with Macadam pavement.....	Jeremiah R. Byron, 749 First avenue...	J. H. Byron, 749 First avenue... D. C. Hickey, 749 First avenue....	20,850 00
				\$198,201 62
	<i>Croton Water-pipe Contracts.</i>			
Apr. 9	Laying Croton-mains in Avenue B, Fifty-first street, Tenth avenue, Ninety-sixth, Ninety-seventh, One Hundred and Seventh, One Hundred and Sixty-eighth streets, Blackwell's and Ward's Islands, Mott avenue, etc.....	M. H. Moore, 220 E. 105th street...	Terrence McGuire, 207 Third avenue... Jeremiah H. Moore, 2d ave. & 105th st....	\$8,037 90
" 9	Laying Croton-mains in First avenue, between Thirty-seventh and Fourteenth streets.....	M. H. Moore, 220 E. 105th street...	Jeremiah H. Moore, 2d ave. & 105th st.... Terrence McGuire, 207 Third avenue...	17,964 00
				\$26,001 90
	<i>Miscellaneous Contracts.</i>			
May 2	For furnishing and lighting with gas the district lying south of the centre of Grand street, from the East river to Sullivan street, through Sullivan to Canal street, and through Canal street to the Hudson river, for the term of one year	The N. Y. Gas-light Co., 157 & 159 Hester st.	Moses Taylor, 122 Fifth avenue... Samuel Sloan, 21 W. 17th street....	\$38,700 00

DATE.	NATURE AND LOCATION OF WORK.	CONTRACTOR.	SURETIES.	AMOUNT.
1878.				
May 2	For furnishing and lighting with gas the district lying between Thirty-fourth street, and Grand, Sullivan, and Canal streets, North and East rivers, for the term of one year....	The Manhat'n Gas-light Co., 4 Irving place..	Moses Taylor, 122 Fifth avenue... John J. Cisco, 59 Wall street.....	\$81,200 00
" 3	For furnishing and lighting with gas the district bounded by Seventy-ninth and Thirty-fourth streets, North and East rivers (as shown by red lines on a map attached to contract), for the term of one year.	The Metropolitan Gas-light Co., Broadway and 46th st.....	D. H. McAlpin, 49 Broad street.... R. H. Arkenburgh, 49 Broad street....	77,000 00
" 1	For furnishing and lighting with gas the district bounded by Thirty-fourth and Seventy-ninth streets, North and East rivers (as mentioned on a schedule annexed to contract), for the term of one year.	The N. Y. Mutual Gas-light Co., 36 Union Square.....	John P. Kennedy, 10 E. 47th street.... Charles Place, 136 W. 125th street..	10,250 00
Apr. 29	For furnishing and lighting with gas the district bounded by Seventy-ninth street, North and East rivers, and Harlem river and Spuyten Duyvil Creek (excepting 500 lamps awarded to the Globe Gas-light Co.), for the term of one year.....	The Harlem Gas-light Co., 2084 Third ave..	Burr Wakeman, 19 W. 36th street.... William C. Browning, 552 Fifth avenue....	83,000 00
May 1	For furnishing and lighting with gas (generated from naphtha) the district bounded by west side One Hundred and Fourteenth street, East river, south side of Eighty-sixth street, and west side of Third avenue, for the term of one year....	The New York & New Jersey Globe Gas-light Co.....	Henry H. Rogers, 128 Pearl street.... Jacob F. Wyckoff, 128 Pearl street....	10,500 00
" 2	For furnishing and lighting with gas such streets and places in Riverdale, in the Twenty-fourth Ward, as shall be designated by the Commissioner, for the term of one year.....	The Yonkers Gas-light Co., Yonkers, N. Y..	Thomas C. Cornell, Yonkers, N. Y..... Samuel D. Babcock, 50 Wall street.....	3,200 00
				\$303,850 00
Apr. 22	Regulating, grading, etc., Twenty-second street, from Avenue A to the East river.....	Thomas L. Butler, 291 Broadway.....		\$600 00
June 11	Regulating, grading, etc., One Hundred and Twelfth street, from Madison avenue to a point 175 feet easterly.....	John S. Masterson, 127th st. and 7th ave.		847 78
Apr. 15	Flagging sidewalks west side of Fifty-eighth street, from Lexington to Fourth avenue.....	J. T. McDonald, 63d st., bet. 1st & 2d ave		133 64
" 17	Flagging west side Twenty-second street, between First avenue and Avenue A.....	T. L. Butler, 291 Broadway.....		375 57
June 11	Flagging full width, and fencing vacant lots in Fifty-fifth street, between Madison and Fourth avenues.....	R. A. Cunningham, 343 E. 16th street...		425 25
Apr. 10	Fencing vacant lots south side Fifty-seventh street, between Second and Third avenues.....	Patrick Burns, 311 E. 56th street...		26 55
" 10	Fencing vacant lots on northeast corner Madison avenue and Fifty-sixth street.....	Patrick Burns, 311 E. 56th street...		20 46
" 11	Fencing vacant lots northeast corner Eighty-third street and Second avenue.....	Gilbert Palmer, 49 E. 78th street....		13 00
June 22	Fencing vacant lots north side Seventy-fifth street, between Second and Third avenues.....	John B. Healy, 246 E. 105th street...		89 25
" 22	Fencing vacant lots south side Eighty-third street, and on north side Eighty-second street, and east side Fifth avenue, between Eighty-second and Eighty-third streets..	John B. Healy, 246 E. 105th street...		266 46
" 22	Fencing vacant lots south side Seventy-ninth street, north side Seventy-eighth street, and east side Madison avenue, between Seventy-eighth and Seventy-ninth streets.....	John B. Healy, 246 E. 105th street...		182 06
Apr. 3	Laying crosswalks at each of the intersections of Lexington avenue, One Hundred and Twenty-ninth, and One Hundred and Thirtieth streets.....	Patrick Burns, 311 E. 56th street...		358 40
" 3	Laying crosswalks at each of the intersections of Fourth avenue, One Hundred and Thirtieth, and One Hundred and Thirty-first streets..	Patrick Burns, 311 E. 56th street...		127 31
June 18	Laying crosswalks across Lexington avenue, on the north and south sides of Eighty-fourth street.....	Gilbert Palmer, 49 E. 78th street....		88 92
May 13	Construction of receiving-basins on northeast and southeast corners Sixty-first street and First avenue.	T. L. Butler, 291 Broadway.....		528 00
" 13	Construction of receiving-basins on northwest corner of One Hundred and Tenth street and Madison avenue.....	R. A. Cunningham, 343 E. 16th street...		324 00
June 27	Sewer in Nassau street, between Beekman and Spruce streets.....	F. P. Nesbit, 110 E. 71st street....		548 80
" 27	Sewer in Ann street, between William and Gold streets.....	F. P. Nesbit, 110 E. 71st street....		693 60
				\$5,649 05

## RECAPITULATION.

10 Sewer Contracts.....	\$68,898 05
3 Regulating and Grading Contracts.....	15,818 50
6 Paving Contracts.....	43,391 02
6 Contracts awarded under chapter 476, Laws of 1875.....	198,201 62
2 Croton Water-main Contracts.....	26,001 90
7 Gas Contracts.....	303,850 00
18 Miscellaneous Contracts.....	5,649 05
52 Contracts.....	\$661,810 14

## Contracts, etc., Completed during the Three Months ending June 30, 1878.

DATE.	NATURE AND LOCATION OF WORK.	COST.
April 1	Sewer..... In Fifty-first street, between First and Second avenues.....	\$3,465 50
" 4	Receiving-basin..... Northwest corner of Seventy-fourth street and Avenue A.....	286 50
" 5	Sewers..... In Eighth avenue, between Ninety-second and One Hundred and Fifth streets, with branches in Ninety-third and Ninety-sixth streets.....	40,198 97
" 5	Regulating and grading, setting and resetting curb, flagging and re-flagging, and paving with Telford pavement.....	
" 22	Sewers in Sewerage District No. 2 C.....	437,701 64
" 22	Receiving-basin..... On northwest corner of Fourth street and Sixth avenue.....	116 00
" 29	Fencing vacant lots..... On northeast corner of Eighty-third street and Second avenue..	16 00
" 29	Fencing vacant lots..... On northeast corner of Madison avenue and Fifty-sixth street....	41 23
" 29	Fencing vacant lots..... On south side of Fifty-seventh street, between Second and Third avenues.....	32 25
" 29	Flagging sidewalks..... North side of Fifty-eighth street, from Lexington to Fourth avenue.....	751 57
May 4	Laying crosswalks..... At each of the intersections of Lexington avenue and One Hundred and Twenty-ninth and One Hundred and Thirtieth streets.....	435 14
" 4	Regulating, grading, etc., setting curb and gutter stones, and flagging....	45,249 25
" 4	Sewerage District No. 13 B. Sixty-third street, from First avenue to East river.....	1,965 40
" 4	Sewers in the Boulevard, between Seventy-seventh and Ninety-second streets.....	222,720 83



DATE.	NATURE AND LOCATION OF WORK.	COST.
May 18	Setting curb and gutter stones, and flagging four feet wide.....	In Fourth avenue, from Seventy-first to Seventy-ninth street.. \$2,580 23
" 31	Flagging.....	North side of Twenty-second street, between First avenue and Avenue A..... 302 44
June 8	Regulating, grading, etc..	Tenth avenue, from Ninety-fifth to One Hundred and Tenth street..... 13,875 42
" 8	Sewerage District No. 1 D.	Sewers in the Boulevard, between Sixty-first and Seventy-seventh streets..... 284,509 05
" 21	Paving.....	One Hundred and Fourteenth street, between Second and Fourth avenues, with Belgian pavement..... 7,285 42
" 21	Paving.....	One Hundred and Twentieth street, from First avenue to Harlem river, with Belgian pavement..... 5,382 74
" 28	Sewer.....	In Twelfth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-first streets, and in One Hundred and Thirty-first street, between Twelfth avenue and Boulevard..... 3,154 95
" 28	Sewer.....	In Ninety-ninth street, between Boulevard and Tenth avenue.. 1,099 25
" 28	Receiving-basins.....	On northwest corner of One Hundred and Tenth street and Madison avenue, and on northwest corner of One Hundred and Sixteenth street and Lexington avenue..... 313 00
" 28	Sewers.....	In One Hundred and Nineteenth street, between Fourth and Fifth avenues, and in Fourth avenue, west side, between One Hundred and Seventeenth and One Hundred and Twenty-first streets..... 16,746 60
" 29	Regulating and grading...	One Hundred and Ninth street, from Third to Fifth avenue.... 2,703 95
April 3	Laying Croton-mains.....	In Pelham avenue and Berrian avenue..... 1,782 35
" 27	Laying Croton-mains.....	In Third avenue and Kingsbridge road, from One Hundred and Fifty-eighth street to Fordham station, etc..... 20,132 45
May 10	Laying Croton-mains.....	In One Hundred and Forty-third street, Boulevard, One Hundred and Thirty-first, Seventy-fifth, Forty-ninth, One Hundred and Fifth streets, Ninth avenue, Forty-fourth, Eighty-eighth, One Hundred and Forty-eighth, and One Hundred and Fifty-eighth streets..... 5,046 46
" 23	Building.....	Entrance and stop-cock vaults, houses over same, and necessary appurtenances for connecting 20-inch main..... 1,595 00
" 31	Paving.....	Barrow street, between Washington place and West street, and White street, between Broadway and Centre street, with Belgian pavement..... 11 953 29
June 1	Paving.....	Washington square roadway, between Fifth and South Fifth avenues, and Mercer street, between Canal and Elecker streets, with granite pavement..... 24,288 30
" 11	Furnishing.....	The Department of Public Works with cast iron water pipes, branch pipes, and special castings..... 60,408 57
" 14	Laying Croton-mains.....	In Seventh avenue, between Fifty-seventh street and Greenwich avenue..... 13,679 50

## RECAPITULATION.

5 Sewer Contracts.....	\$64,665 27
5 Regulating and Grading Contracts.....	66,425 25
2 Paving Contracts.....	12,668 10
2 Flagging Contracts.....	454 01
2 Fencing Contracts.....	89 48
1 Crosswalk Contract.....	435 14
1 Receiving-basin Contracts.....	715 50
4 Contracts for Laying Croton pipes.....	40,640 76
1 Contract for furnishing Department with Croton-pipes, etc.....	60,408 57
1 Contract for building stop-cock vaults, etc.....	1,685 20
2 Contracts awarded under chapter 476, Laws of 1875.....	36,241 59
1 Regulating, Grading, etc., and Paving (with Telford) Work.....	437,701 04
3 Sewer Works on Boulevard.....	522,685 49
34 Contracts.....	\$1,244,816 06

DEPARTMENT OF PUBLIC WORKS,  
CHIEF ENGINEER'S OFFICE, CITY HALL,  
NEW YORK, July 13, 1878.

ALLAN CAMPBELL, Esq., Commissioner of Public Works:

SIR—I have the honor to report that during the quarter ending June 30, 1878, there has been expended in this Bureau for work done and materials furnished, and for which bills have been transmitted, as follows:

Aqueduct—Repairs and Maintenance.....	\$31,518 50
Croton Water Fund.....	30,657 08
Croton Water-main Fund No. 2.....	97,098 67
Meter Stock.....	3,386 38
Repairing and Renewal of Pipes, Stop-cocks, etc.....	6,656 38
Supplying Water to Shipping and for Building Purposes.....	2,021 00
	\$171,338 01

## STORAGE RESERVOIRS.

At the new dam on the middle branch of the Croton river the masonry in the centre wall and the embankment for the dam have been completed, also the masonry of the tower, and that through the tunnel down to the lower stop-cock vault. The 30-inch pipes are laid through the tunnel, and the ground is being prepared for the small pipes and fountain. During the last quarter the following work has been done at the dam: 380 cubic yards earth of excavation, 630 of rock, 6,000 of embankment put in place, 34 cubic yards cut stone masonry, 1,300 of rubble, 156 yards brick, and 70 cubic yards of concrete masonry. The dam appears to be perfectly tight, no moisture appearing on any part of the lower slope or below it. In the tunnel, below the cross walls, some little water shows itself through the east side wall, but the quantity is small and gradually diminishing.

The old roads through the reservoir are flooded and the travel for the last six weeks has been altogether over the new roads, with which the public appears to be perfectly satisfied.

The fence walls are completed with the exception of two or three openings near the dam, kept open for the convenience of the contractors.

The contractor for macadamizing the new road on the northeast side of the reservoir has commenced work.

The injunction obtained by the Commissioners of Highways to prevent the flooding of the old roads through the reservoir, was removed in April, the gates were then closed, and on the 30th of June we had 1,450,000,000 gallons of water stored in this reservoir, and this quantity has been steadily increasing to the present time.

The Boyd's Corner reservoir is full, the water running over the spillway; the shores are clean, and everything connected with the dam in good order.

The natural lakes are full to overflowing, except Gleneida, which is 8 inches below high water mark, and Gilead, which is 4 feet below.

The rain fall at Boyd's Corners was in April, 2.85 inches; in May, 4.97 inches, and in June, 4.65 inches.

On the 1st of May a party was organized and a survey commenced at the head of the proposed storage reservoir on the east branch of the Croton river, and continued up the east branch to its headwaters, and is now being extended to the Housatonic, to ascertain the feasibility and cost of diverting a portion of the water of that river into the Croton, should it hereafter be found necessary to bring into the city more water than the Croton river can furnish. Stations have been established on the Housatonic, at Kent and West Cornwall, for gauging the water daily flowing in this river, and the rain fall at these stations.

## AQUEDUCT—REPAIRS AND MAINTENANCE.

The usual spring work of opening, repairing, and paving ditches, and the cleaning out and pointing of culverts along the aqueduct has been done very thoroughly. The gate-houses at Croton Dam, High Bridge, and the city reservoirs, have all been cleaned, whitewashed, and painted. The screws and gates are in good order. The stop-cock chambers of the large street mains have also been cleaned, and repairs made when necessary.

The reports of the daily patrol of the aqueduct have shown a very marked diminution of leakage where the roof arches were strengthened and the spandrels raised.

This work is progressing very satisfactorily, but much caution is necessary because of the large amount of water flowing within the aqueduct, five parties are engaged upon this work. On the first division 120 feet of additional top arch was completed this quarter; on the second division 115 feet; on the third division 175 feet; on the fourth division 120 feet; and on the sixth division 210 feet. Making an aggregate of 740 feet of new roof arch and spandrels completed this season. On the fifth division this work has just commenced.

On the first division, at Croton Dam, the shores of the lake have been cleaned up, the brush cut off and burned, and 900 cubic yards of earth removed from over the aqueduct to the sides.

On the second division, 118 cubic yards of new retaining wall have been built, 900 feet of board fence built and painted, and 300 cubic yards of building stone quarried.

On the third division a large amount of fencing was repaired and 800 feet of picket fence built, 200 cubic yards of stone quarried, and 800 cubic yards of earth moved from the covering of the aqueduct.

On the fourth division 200 cubic yards of protection wall was laid, 302 cubic yards of earth moved from over the aqueduct to the sides, and the fences repaired.

On the fifth division two culverts over the top of the aqueduct were taken apart and reset, amounting to 95 cubic yards of mason work, 47 yards of protection wall built and a large amount of protection wall repaired. 556 cubic yards of earth were removed from over the aqueduct, and 1 1/4 miles of fence repaired.

On the sixth division 1 1/2 miles of fence was repaired, and 1/4 mile of stone fence put in order, and 100 cubic yards of stone quarried.

On May 7th the water was shut off from the aqueduct at Croton dam, and after a careful examination of the inside of the aqueduct and the necessary repairs made, the water was again let in on the 10th of May, having been shut off 76 hours. The water in the reservoirs in the city fell during this period 7 feet 3 inches, showing the daily consumption during this time to have been 85,000,000 gallons per day.

Up to the 24th of June the water in the reservoir was gradually gaining what had been lost when the water was shut off from the aqueduct, but with the hot weather the consumption has exceeded the supply brought in by the aqueduct, the consumption and wastage on the 29th of June being ninety-eight million gallons. This amount, mostly drawn from the pipes during the day time, decreases the pressure in the mains, and has caused numerous complaints from parties living on high ground, of a short supply during the day, they only getting water in the upper stories of their houses at night.

The engines and pumps at the High Bridge are in good order, and have performed their work without interruption.

A gang of men has been steadily employed during the quarter repairing the two lines of 6-foot pipes on Ninetieth street and Eighth avenue, laid in 1866 and 1867 by the Croton Aqueduct Department in place of the aqueduct removed. On April 10th the repairs on the west line were completed, and water has been running through the same since that date; ten pipes were banded and repaired on this line, and after the water was turned on three more were banded and recaulked. Eighteen of the pipes on the east line had also been banded and repaired, and water is now being let into the same.

## LAYING WATER-PIPES.

The work of laying Croton mains has been steadily prosecuted, and the following contracts have been completed: 20-inch main in Third avenue and Kingsbridge road, from One Hundred and Fifty-eighth street to Fordham station; thence in Kingsbridge and High Bridge roads, and in Croton avenue, from Fordham station to the Croton aqueduct; connecting 20-inch main with Croton aqueduct at Croton avenue; 20-inch main in Seventh avenue, between Greenwich avenue and Fifty-seventh street; 6-inch main in One Hundred and Forty-third street, between Third and Willis avenues; 12-inch main on east side Boulevard, between Manhattan and One Hundred and Twenty-third streets; 6-inch main in Seventy-fifth street, between Fourth and Madison avenues; six-inch main in One Hundred and Thirty-first street, between Seventh and Eighth avenues; 6-inch main in Forty-ninth street, between First avenue and East river; 6-inch main in One Hundred and Fifth street, between Ninth and Tenth avenues; 6-inch main in Ninth avenue, between One Hundred and Fourth and One Hundred and Sixth streets; 6-inch main in Forty-fourth street, between Second and Third avenues; 6-inch main in Eighty-eighth street, between First and Second avenues; 6-inch main in One Hundred and Forty-eighth street, between Courtland and Fourth avenues; 6-inch main in Fifty-eighth street, between Avenue A and East river; 12-inch main in Pelham avenue, between Kingsbridge road and Hoffman street, and 6-inch main in Berrian avenue, between Kingsbridge road and Southern Boulevard.

Three contracts have been entered into for laying Croton mains.

Bids have been asked for two more parcels of pipe laying, which include all authorized by the Common Council, and approved by the Mayor June 29, 1878.

Two gangs of men have been employed placing hydrants on present mains, as asked for by the Fire Department, and under resolutions of the Common Council.

## AMOUNT OF PIPE LAID.

48-inch Pipe.....	1,130 lineal feet.
20 ".....	7,090 "
12 ".....	15,463 "
6 ".....	15,063 "
	38,746 "

Large hydrants (5-inch barrel) placed.....	124
Small " (3 1/2 " ) ".....	180
" " (3 " ) ".....	6
Total.....	310

The inspection of pipes, etc., in use on the wharves, piers and bulkheads, and of the use of water by parties along the rivers, and for building purposes has been continued. 76 meters are now in use along the river fronts.

During the quarter there has been issued—

38 permits for engines.....	
307 " " shipping.....	
The permits for engines amounting to.....	\$1,797 80
" " shipping ".....	9,976 60
The water measured by meter amounting to.....	18,530 40
Total.....	\$30,304 80

309 permits were issued for the use of water for building purposes, amounting to..... \$5,018 85

Examinations of the plumbing in buildings to stop the waste of water has been continued as per report hereto annexed.

Eighty-one (81) meters have been placed on stables and manufacturing establishments during the past three months.

Very respectfully yours,

JOHN C. CAMPBELL,  
Chief Engineer, Croton Aqueduct.

## REPORT OF EXAMINATIONS

Made by Inspectors relative to Leaky Fixtures and Waste of Water, from April 1 to June 30, 1878.

DISTRICT.	Whole number of Buildings Inspected.	Number in which Plumbing was Defective or Water Wasted.	FAUCETS.		WATER CLOSETS OR URINALS.		HYDRANTS IN YARDS.		PIPES BURST.	BALL-COCKS WASTED.
			Leak.	Waste.	Leak.	Waste.	Leak.	Waste.		
First.....	475	43	28	9	3	14	..	..	..	..
Fourth.....	1,462	399	252	..	39	..	20	..	..	..
Fifth.....	775	83	59	15	2	6	2	1	..	..
Seventh.....	665	92	134	1	11	11	1	2	..	..
Eighth.....	645	135	122	..	19	..	39	..	2	..
Ninth.....	1,429	175	147	1	..	9	17	..	1	..
Eleventh.....	990	339	..	2	..	2	..	..	2	..
Twelfth.....	1,475	140	113	10	12	7	15	4	1	..
Thirteenth.....	729	113	90	..	1	11	16	3	..	..
Fifteenth.....	311	45	66	..	2	..	5	..	..	..
Sixteenth.....	1,028	152	140	..	2	19	10	..	..	..
Seventeenth.....	1,405	298	235	1	6	1	1	..	5	..
Eighteenth.....	630	166	219	..	58	3	8	..	..	..
Twentieth.....	2,144	469	412	5	139	17	8	..	13	14



DEPARTMENT OF PUBLIC WORKS,  
WATER PURVEYOR'S OFFICE, No. 4, CITY HALL,  
NEW YORK, July 5, 1878.

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 April, May, and June, 1878.

## REPAIRING CROTON PIPES, ETC.

During the past quarter three companies have been engaged in repairing and renewing pipes, stop-cocks and fire-hydrants. All complaints made to this Bureau by police or citizens have received prompt attention and the necessary repairs have been made.

## PLACING LARGE HYDRANTS, ETC.

A small force has been employed in this work, and in repairing our Croton water-mains where necessary.

## REPAIRS TO PAVEMENTS.

The work of repairing stone pavements has been prosecuted as thoroughly as the force at my command would allow. The numerous complaints which have been made have received all possible attention, and after careful examination of the pavements complained of, I have had repairs made where most necessary. The number of square yards which have been repaired during the quarter by the companies at work under this Bureau is 104,508, and by special contract 5,274.43; making in all 109,782.43 square yards.

## REPAIRING SIX FEET PIPES.

A small company of men has been employed during the quarter in repairing six feet pipes (continuation of the aqueduct), in Ninetieth street, between Eighth and Ninth avenues.

## REPAVING UNDER CHAPTER 476, LAWS OF 1875.

A number of streets, sufficient to exhaust this appropriation, are being repaved, which when completed will be a marked relief to the business portion of the community.

## BOULEVARDS, ROADS, AND AVENUES.

I would respectfully refer you for the detail of the work done in this department of my Bureau to the report of Frederick H. Hamlin, Engineer-in-charge, hereto appended and marked "A."

Number of men employed under charge of Bureau of Water Purveyor during the months of April, May and June, 1878, paid from different appropriations with amount of pay-rolls.

MONTHS, 1878.	REPAIRING AND RENEWAL OF PIPES, STOP-COCKS, ETC.		CROTON WATER MAIN FUND, No. 2.		AQUEDUCT REPAIRS AND MAINTENANCE.		REPAIRS AND RENEWAL OF PAVEMENTS.	
	No. of Men.	Amounts.	No. of Men.	Amounts.	No. of Men.	Amounts.	No. of Men.	Amounts.
April .....	58	\$3,545 08	69	\$3,775 96	29	\$1,238 62	212	\$10,051 60
May .....	58	3,605 22	71	3,874 32	26	1,233 84	348	16,412 71
June .....	58	3,458 76	110	5,169 56	24	1,102 70	330	14,037 32
Totals .....	174	\$10,609 06	250	\$12,819 84	79	\$3,575 16	890	\$40,501 63

## RECAPITULATION.

Amounts of Pay-rolls for April, May, and June, 1878.

Repairing and Renewal of Pipes, Stop-cocks, etc .....	\$10,609 06
Croton Water Main Fund, No. 2 .....	12,819 84
Repairs and Renewal of Pavements .....	40,501 63
Aqueduct—Repairs and Maintenance .....	3,575 16

Total .....

## PAVING WORKS UNDER CONTRACTS COMPLETED.

NUMBER OF SQUARE YARDS.	LOCATION.
4,164.00	One Hundred and Twentieth street, between First avenue and the Harlem river.
3,608.35	Barclay and Morris streets.
12,178.10	Washington square roadway and Mercer street.
8,144.00	Barrow and White streets.
5,128.00	One Hundred and Fourteenth street, between Second and Fourth avenues.
.....	Fourteenth street, between University place and Ninth avenue.
33,222.45	Total number of square yards.

Number of vault permits issued during the quarter was fifty-four (54).

Receipts for vault permits same period was thirteen thousand one hundred and fifty-six dollars and ninety-three cents (\$13,156.93.)

Respectfully submitted,

DANIEL O'REILLY, Water Purveyor.

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF WATER PURVEYOR,  
NEW YORK, July 1, 1878.

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

SIR—Instructed to transmit an account of the work which, connected with the office of the Engineer-in-Charge of Roads and Avenues, has been performed during the three months ending June 30, 1878, I respectfully present the following:

Boulevards, Roads, and Avenues—Maintenance of—	
The appropriation is .....	\$40,000 00
Amount expended to April 1, 1878 .....	\$8,277 66
Amount expended from May 31 to July 1 .....	9,946 84
	18,224 50
Unexpended balance .....	\$21,775 50

The money during the last quarter has been expended for various purposes, as below stated:

Sprinkling .....	\$1,739 15
Cleaning roads, gutters, etc .....	1,750 49
Spreading road covering .....	749 40
Repairing roads .....	1,218 64
Cultivating trees .....	159 50
Repairing monitors .....	432 19
Material .....	1,106 93
General expenses, including supervision, clerk hire, foremen's time, repairing tools, etc., and other necessary expenses .....	2,730 54
Total .....	\$9,946 84

In reference to labor the maintenance of certain Boulevards, cost as follows:

Avenue St. Nicholas, One Hundred and Tenth to One Hundred and Twenty-fifth street .....	\$288 67
Avenue St. Nicholas, One Hundred and Twenty-fifth to One Hundred and Fifty-fifth street .....	746 70
Boulevard south of Manhattan street .....	873 26
Boulevard north of Manhattan street .....	450 34
Sixth avenue, One Hundred and Tenth street, north .....	606 90
Seventh avenue, One Hundred and Tenth street, north .....	883 15
Other streets and avenues .....	3,763 44
Total .....	\$7,612 46

The present force consists of 3 Foremen, 5 Skilled Laborers, 12 Laborers, 1 Blacksmith, 2 Watchmen, 1 Steam Engineer, 1 Steersman, 1 Paver, 5 carts, and 16 two horse teams.

The general demand for a road surface along the route of pleasure travel possessing essentially the qualities of the ordinary dirt road, has been recognized. A coating of coarse, sharp sand and clay mixed in the proportion of 3 to 1 with an average depth of  $\frac{3}{4}$  of an inch has been applied upon Sixth avenue, One Hundred and Tenth to One Hundred and Forty-fifth street, the success of which is attested by the fact that nearly all the driving north of Central Park and east of Tenth avenue is concentrated upon this avenue. The cost of material and spreading amounted to \$667.39.

One Hundred and Forty-fifth street, Sixth to Seventh avenue, and Seventh avenue, north of One Hundred and Forty-fifth street are also well covered, and a similar treatment of the west roadway of the Grand Boulevard is now in progress.

The work of macadamizing Fifth avenue, Fifty-ninth to Seventy-second street, was begun June 17, 1878, and is required under heavy penalty to be completed within the ninety working days next thereafter. The overlying surface will be more elastic and less noisy than that of the ordinary construction.

All of which is respectfully submitted,

FRED. H. HAMLIN,  
Engineer in Charge of Roads and Avenues.DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF STREET IMPROVEMENTS—ROOM 11, CITY HALL,  
NEW YORK, July 5, 1878.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—I have the honor to transmit herewith a report of the transactions of this Bureau for the months of April, May, and June, 1878, showing statements of the amount of work done on the various contracts, of the amount of vouchers drawn, of contracts completed, and contracts under way and suspended.

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

Respectfully,

GEO. A. JEREMIAH,

Superintendent Street Improvements.

## Statement of Contracts in Progress in the Bureau of Street Improvements on the 30th day of June, 1878.

LOCATION OF WORK.	NAME OF CONTRACTOR.	SURVEYOR.	INSPECTOR.	CONTRACT TIME.	ESTIMATED COST.	AMOUNT EARNED.	AMOUNT RETAINED.	AMOUNT PAID.	REMARKS.
Regulating, grading, curb, gutter, and flagging— Fourth avenue, One Hundred and Second to One Hundred and Tenth street .....	Edward Bradburn .....	W. V. Smith .....	Norman McLeod .....	200 days .....	\$12,585 00	\$7,344 80	\$2,203 44	\$5,141 36	
Eighty-first street, One Hundred and Twenty-eighth street to Harlem river .....	Mills & Ambrose .....	W. V. Smith .....	Clark Vandewater .....	2½ years .....	143,870 75	139,872 00	41,061 60	97,010 40	
Ninth avenue, Seventy-second to Eighty-first street .....	Terrence Smith .....	W. V. Smith .....	John Meade .....	5 months .....	9,277 00	6,802 00	2,040 60	4,761 40	
Forty-second street, Second avenue to East river .....	Thomas Connell .....	E. E. McLean .....	Suspended .....	270 days .....	15,859 00	11,355 00	3,406 50	7,948 50	Work suspended on account of obstruction by sewer contract.
Sixty-second street, Tenth to Eleventh avenue .....	John Wyberd .....	T. J. Slaton .....	Suspended .....	9 months .....	7,967 91	3,034 84	910 45	2,124 39	Work suspended.
Sixty-sixth street, Eighth avenue to Boulevard .....	John Mulholland .....	F. M. Leonard .....	John Maguire .....	300 days .....	14,372 76	.....	.....	.....	
Seventieth street, Eighth to Tenth avenue .....	Devlin & McKim .....	M. Lovell .....	Not yet appointed .....	400 days .....	13,857 50	.....	.....	.....	Work not yet commenced.
Seventy-first street, Fifth avenue to East river .....	Herman Polye .....	W. H. Michaels .....	Charles Schloss .....	4 months .....	24,907 80	14,345 00	4,303 50	10,041 50	
Seventy-eighth street, Boulevard to Ninth avenue .....	Patrick Mulholland .....	A. Doubleday .....	Francis Maguire .....	250 days .....	15,494 25	10,506 97	3,152 10	7,354 87	
Eighty-first street, Ninth to Tenth avenue .....	Michael Gavin .....	Charles H. Haswell .....	John H. Kortright .....	50 days .....	3,587 00	.....	.....	.....	
Ninety-sixth street, Boulevard to Hudson river .....	Abraham Dowdney .....	W. V. Smith .....	Samuel Brower .....	550 days .....	29,086 00	21,560 00	6,468 00	15,092 00	
One Hundred and Third street, First to Fifth avenue .....	John C. Dowling .....	W. V. Smith .....	Joseph Frankan .....	600 days .....	29,360 00	5,573 50	1,672 05	3,901 45	
One Hundred and Sixth street, Madison to Fourth avenue .....	Edward Bradburn .....	W. M. Dean .....	James W. Hazlett .....	300 days .....	4,206 20	.....	.....	.....	
Curb, gutter, and flagging— Seventy-sixth street, First avenue to Avenue A .....	John Slattery .....	E. E. McLean .....	Not yet appointed .....	20 days .....	861 00	.....	.....	.....	Work not yet commenced.
Flagging— Sixtieth street, Boulevard to Ninth avenue .....	James Reilly .....	E. E. McLean .....	D. E. Aikin .....	12 days .....	1,000 00	.....	.....	.....	Work not yet commenced.
Retaining walls, arch, etc.— Forty-second street, First to Second avenue .....	Jeremiah R. Byron .....	G. S. Avery, Assistant Engineer .....	P. O'Brien .....	100 days .....	29,214 50	13,458 00	4,037 41	9,420 59	
Total .....					\$355,606 67	\$233,852 11	\$70,155 65	\$163,696 46	

## Special Contracts.

Regulating, grading, curb, gutter, and flagging— One Hundred and Twelfth street, Madison avenue to a point 175 feet east .....	John S. Masterson .....	H. V. M. Dennis .....	Martin McDonnell .....	19 days .....	\$847 78				
Twenty-second street, Avenue A to East river .....	Thomas L. Butler .....	W. V. Smith .....	.....	20 days .....	580 00				
Flagging and fencing vacant lots— Fifty-fifth street, Madison to Fourth avenue .....	R. A. Cunningham .....	Jacob Rudolph .....	.....	20 days .....	425 24				
Fencing vacant lots— North side Seventy-fifth street, Second to Third avenue .....	J. B. Healy .....	H. V. M. Dennis .....	.....	20 days .....	89 25				
Seventy-ninth and Seventy-eighth streets, and east side of Madison avenue .....	J. B. Healy .....	H. V. M. Dennis .....	.....	20 days .....	169 92				
Eighty-third and Eighty-second streets, and east side of Fifth avenue .....	J. B. Healy .....	H. V. M. Dennis .....	.....	20 days .....	266 66				
Total .....					\$2,378 85				



Boulevard, tree planting .....	Oliver Van Courtland	Frederick H. Hamlin, Engineer-in-Charge.....	Joseph Murphy	Ending spring of 1878.....	\$4,641 90	\$3,471 27	\$877 98	\$2,593 29
Avenue St. Nicholas, tree planting.....								
Sixth avenue, tree planting .....	Jesse Ryder.....	John B. Devlin.....	Joseph Murphy	100 days.....	1,315 60	1,743 00	376 99	1,366 01
Seventh avenue, tree planting.....								
One Hundred and Tenth street, tree planting.....					3,269 35			
Tenth avenue, One Hundred and Tenth to Manhattan street .....				Total ....	\$9,226 85	\$5,214 27	\$1,254 97	\$3,959 30

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

In Exhibit "A" will be found an abstract of all vouchers certified by me during the quarter. Exhibit "B" is a statement showing the amounts expended for gas to the various public markets, offices, etc., and for the fitting up, lighting, and maintenance of the public lamps. Exhibit "C" is a summary of the appropriation for "Lamps and Gas," showing an expenditure during the quarter of one hundred and thirty thousand five hundred and twenty-five dollars and seventy-five cents. (\$130,525.75), with liabilities for lighting and maintaining the public lamps for the month of June, amounting to thirty-eight thousand two hundred and thirty-eight dollars and seventy-nine cents, (\$38,238.79), which makes a total expenditure for the quarter, on account of "Lamps and Gas," of one hundred and sixty-eight thousand seven hundred and sixty-four dollars and fifty-four cents.



(\$168,764.54), and for the six months of two hundred and sixty-one thousand seven hundred and ninety-five dollars and ninety-eight cents (\$261,795.98.) There has been transferred by the Board of Apportionment the sum of eighteen thousand five hundred dollars (\$18,500), from the appropriation for Lamps and Gas to the account of several other appropriations, as shown in the exhibit referred to, which leaves a balance for the ensuing six months, of three hundred and nineteen thousand seven hundred and four dollars and two cents (\$319,704.02.)

In Exhibit "D" will be found a summary of the "Lamp Account," giving the number of new lamps lighted, old lamps relighted, and lamps discontinued by each gas company during the quarter, showing a total of three hundred and twenty-six new lamps lighted, twenty-one old lamps relighted, and thirty-three lamps discontinued, the net increase during the quarter being three hundred and fourteen. In Exhibit "E" is a statement showing the highest, lowest, and average illuminating power of the gases supplied by the New York, Manhattan, Mutual, Metropolitan, and Harlem Gas-light Companies during the quarter.

The following table will show the amount of impurities found in the gases of the aforesaid companies by the analysis made by the Gas Examiner in the Laboratory of this Department :

OF WHAT COMPANY.	SULPHURETED HYDROGEN.	SULPHUR. (Grs. in 100 cu. ft.)	AMMONIA. (Grs. in 100 cu. ft.)
New York Gas-light Co.....		42.63	1.06
Manhattan Gas-light Co.....		16.43	4.20
New York Mutual Gas-light Co.....		10.57	2.04
Metropolitan Gas-light Co.....		18.77	3.97
Harlem Gas-light Co.....		53.04	Trace.

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

The following is the specific gravity of the gases:

New York Gas-light Company, specific gravity.....	..464
Manhattan " " .....	..479
New York Mutual " .....	..782
Metropolitan " .....	..594
Harlem " .....	..488

The following table will show the average maximum and minimum pressure on the mains of the above gas companies during the quarter, as recorded on the pressure registers in the photometric rooms :

OF WHAT COMPANY.	Average Maximum Pressure.	Average Minimum Pressure.	WHERE TAKEN.	Distance from Gas Works.
	Inches.	Inches.		Miles.
New York Gas-light Co.....	1 6-10	1 4-10	Grand and Centre streets.....	2 4-100
Manhattan Gas-light Co.....	2 4-10	1 2-10	" " .....	1 33-100
New York Mutual Gas-light Co.....	2 2-10	1 4-10	" " .....	1 79-100
Metropolitan Gas-light Co.....	1 8-10	8-10	Seventy-ninth street, between Second and Third avenues.....	3 33-100
Harlem Gas-light Co.....	2 9-10	1 3-10	Seventy-ninth street, between Second and Third avenues.....	1 75-100

In my report for the quarter ending March 31 last, I gave the draft of a bill which had been transmitted to the State Legislature, which would authorize the making of contracts for lighting the public lamps for a period embracing parts of two fiscal years. This bill passed both houses and was approved by the Governor, April 11, and is now chapter 125 of the Laws of 1878. Under this act proposals for furnishing the gas and lighting, etc., the public lamps for the period of one year, commencing May 1, 1878, and ending April 30, 1879, were received by the Gas Commission on April 24, and the following is a summary of the awards of contracts to the several gas companies for the period above mentioned :

TO WHOM AWARDED.	Number of Lamps in District.	Price for Gas and Lighting, etc., each Lamp.	For each Lamp- post Straightened.	For each Column Releaded.	For each Column Refitted.	For each Lamp- post Removed.	For each Lamp- post Reset.	For each new Lamp Fitted up.
New York Gas-light Co.....	3,170	\$12 00	\$1 50	\$1 50	\$3 50	\$3 50	\$10 00	\$10 00
Manhattan Gas-light Co.....	6,597	12 00	1 50	1 50	3 50	3 50	8 00	10 00
Metropolitan Gas-light Co.....	3,903	10 50	2 00	2 00	3 00	3 00	8 00	8 00
New York Mutual Gas-light Co.....	587	16 05	1 00	1 00	2 00	2 00	8 00	8 00
*N. Y. and N. J. Globe Gas-light Co.....	502	20 00	1 50	1 50	4 00	4 00	10 00	8 00
Harlem Gas-light Co.....	3,782	21 00	3 00	3 00	4 00	4 00	10 00	10 00
Yonkers Gas-light Co.....	72	33 00	1 00	1 00	2 50	1 50	8 00	8 00

The following statement is a comparison of the cost of each lamp for the calendar year 1877, with the price for the calendar year 1878, showing the saving per lamp for the year 1878 by the new contracts :

GAS COMPANY.	Cost for Calen- dar Year 1877.	Cost for First Four Months of 1878.	Price for Last Eight Months of 1878.	Total Price for Calendar Year 1878.	Saving per Lamp for year 1878.	Number of Lamps in District June 30, 1878.
New York Gas-light Co.....	\$19 90	\$6 00	\$8 00	\$14 00	\$5 90	3,170
Manhattan Gas-light Co.....	19 90	6 00	8 00	14 00	5 90	0,597
Metropolitan Gas-light Co.....	30 00	6 00	13 00	19 00	10 10	3,902
New York Mutual Gas-light Co.....	29 75	8 00	11 00	19 10	10 65	587
Harlem Gas-light Co.....	35 32	7 90	14 10	21 90	13 42	3,784

The New York and New Jersey Globe Company and the Yonkers Company only lighted during a portion of the year 1877, hence no comparison is made of the prices of these companies.

The following statement is a comparison of the price per lamp under the new contracts for the year ending April 30, 1879, with the price paid for the year ending April 30, 1878:

GAS COMPANY.	Price per Lamp, from May 1, 1877, to April 30, 1878.	Price per Lamp, from May 1, 1878, to April 30, 1879.	Saving per Lamp by New Con- tracts.
New York Gas-light Co .....	\$17 02 2-9	\$12 00	\$5 02 2-9
Manhattan Gas-light Co .....	17 02 2-9	12 00	5 02 2-9
Metropolitan Gas-light Co .....	25 56 2-3	19 50	6 06 2-3
New York Mutual Gas-light Co .....	27 77 7-9	16 65	11 12 7-9
Harlem Gas-light Co .....	29 90	21 00	8 90

By your direction I have caused an examination to be made of the burners supplied to the public lamps by the several gas companies, with the view of ascertaining whether the same come up to the requirements of the contracts, Specification 3, which provides that the burners shall be of a capacity to burn and shall burn three cubic feet of gas per hour during the time the lamps are required to be lighted, under a pressure of one inch of water, and the following is the result of the tests thus far made by the Gas Examiner.

New York Gas Company burners, taken from thirty different sections of the district, show an average consumption of 3.007 cubic feet per hour.

Manhattan Gas Company burners, taken from sixty different sections of the district, show an average consumption of 3.00 cubic feet per hour.

Metropolitan Gas Company burners, taken from forty different sections of the district, show an average consumption of 2.846 cubic feet per hour.

\* Naphtha.

Harlem Gas Company burners, taken from forty different sections of the district, show an average consumption of 3.135 cubic feet per hour.

The tests for the above were made on the experimental meter in the photometrical rooms, under a pressure of one inch. The records of the pressure registers show that at no time during the hours of lighting was the pressure on the public lamps less than the minimum of one inch.

Burners have also been taken from the lamps of the Mutual, Central, Suburban and Yonkers Gas Companies, and are now in the hands of the Gas Examiner, and the tests will be completed within a few days.

The painting of the lamp-posts is now being done by the several gas companies in accordance with their contracts, and hence, the lamp-posts and lanterns throughout the city already present a bright and neat appearance.

The lighting of several of the piers and bulkheads which was completed during the summer and fall of last year, having been found a great convenience and means of protection to all persons having occasion to visit the water front after nightfall, it was deemed advisable to extend the improvement during the present season; and, hence, with your approval, lamps have been erected and lighted, during the quarter, on the piers foot of Fifth street, Thirty-seventh street and Gouverneur street, East river, and at all the open bulkheads on the East river, between Grand street and the Battery; also on the new stone Pier No. 1, and piers foot of Bethune street, Thirty-fourth and Thirty-fifth streets, North river, and at the bulkheads foot of Canal street and Thirtieth street, North river.

On the Kingsbridge road there were one hundred and twenty-three lamp-posts standing but out of use, the lighting of the lamps having been discontinued in 1875, and as the same were considered unnecessary at the above place, I have caused their removal for use elsewhere.

Respectfully submitted,

S. McCORMICK, Superintendent Lamps and Gas.

EXHIBIT "A."

*Abstract of Vouchers certified by the Superintendent of Lamps and Gas on account of the Appropriation for Lamps and Gas, for the Quarter ending June 30, 1878.*

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	FOR WHAT PURPOSE.	AMOUNT.
1878.				
April 3	614	Guy C. Hotchkiss, Field & Co.	100 lamp-irons.	\$98 00
" 3	615	Guy C. Hotchkiss, Field & Co.	100 iron washers.	3 00
Mar. 30	616	New York Gas-light Co.	Lighting public lamps, month of March	4,670 50
" 31	617	Manhattan Gas-light Co.	Lighting public lamps, month of March	9,931 00
April 1	618	Metropolitan Gas-light Co.	Lighting public lamps, month of March	6,668 88
" 1	619	N. Y. Mutual Gas-light Co.	Lighting public lamps, month of March	1,175 50
" 1	620	Harlem Gas-light Co.	Lighting public lamps, month of March	8,443 42
" 1	621	Central Gas-light Co.	Lighting public lamps, month of March	5,655 00
" 1	622	Central Gas-light Co.	Lighting public lamps.	182 11
" 1	623	Suburban Gas-light Co.	Lighting public lamps.	3,883 33
" 1	624	Suburban Gas-light Co.	Lighting public lamps.	145 21
" 1	625	Yonkers Gas-light Co.	Lighting public lamps.	216 00
" 1	626	Odd Fellows Hall Association.	March 31. Rent of Photometrical Rooms, January 1 to March 31.	87 50
" 5	627	E. P. Gleason Manufacturing Co.	150 street-lamps.	457 50
" 12	628	Wm. W. Goodwin & Co.	Zincs and Tubing.	5 00
" 15	629	E. G. Love	Traveling expenses, January 1 to March 31.	12 96
" 16	630	S. McCormick.	Traveling expenses to Albany.	18 34
" 30	631	Pay-roll.	Inspectors, month of April.	504 00
" 30	632	Pay-roll.	Lighters of Public Markets, month of April.	99 00
" 1	633	O. T. Marshall.	Rent of Photometrical Rooms, January 1 to March 31.	75 00
" 17	634	Bartlett Lamp Manufacturing Co.	50 globe lamps.	250 25
" 22	635	J. L. Mott Iron Works.	20 lamp brackets.	37 50
" 24	636	J. L. Mott Iron Works.	15 lamp brackets.	22 50
" 30	637	New York Gas-light Co.	Lighting public lamps, month of April.	4,724 00
" 30	638	Manhattan Gas-light Co.	Lighting public lamps, month of April.	10,060 50
" 30	639	Metropolitan Gas-light Co.	Lighting public lamps, month of April.	6,779 15
" 30	640	N. Y. Mutual Gas-light Co.	Lighting public lamps, month of April.	1,172 00
" 30	641	Harlem Gas-light Co.	Lighting public lamps, month of April.	8,908 16
" 30	642	Central Gas-light Co.	Lighting public lamps, month of April.	5,655 00
" 30	643	Central Gas-light Co.	Lighting public lamps, month of April.	594 62
May 1	644	Suburban Gas-light Co.	Lighting public lamps, month of April.	3,883 33
" 1	645	Suburban Gas-light Co.	Lighting public lamps, month of April.	345 11
" 1	646	Yonkers Gas-light Co.	Lighting public lamps, month of April.	216 00
April 30	647	New York Gas-light Co.	Gas to public markets, etc., month of April.	1,111 95
" 30	648	Manhattan Gas-light Co.	Gas to public markets, etc., month of April.	544 16
" 30	649	N. Y. Mutual Gas-light Co.	Gas to Photometrical Room, month of April.	3 25
" 30	650	Metropolitan Gas-light Co.	Gas to public offices, etc., month of April.	37 95
" 30	651	Harlem Gas-light Co.	Gas to public offices, etc., month of April.	72 66
May 3	652	J. L. Mott Iron Works.	30 lamp-posts.	292 50
" 6	653	Edgar Close.	150 street-lamps.	435 00
" 13	654	M. Dripps.	Lamp maps.	200 00
" 15	655	Bartlett Lamp Manufacturing Co.	100 Boulevard globes.	200 00
" 16	656	J. L. Mott Iron Works.	100 crossheads.	140 00
" 16	657	J. L. Mott Iron Works.	25 lamp columns.	93 75
" 16	658	E. P. Gleason Manufacturing Co.	Gas piers.	2 53
" 21	659	E. P. Gleason Manufacturing Co.	100 street-lamps.	305 00
" 22	660	E. P. Gleason Manufacturing Co.	Gas burners.	91 50
" 31	661	Pay-roll.	Inspectors, month of May.	504 00
" 31	662	Pay-roll.	Lighters of Public Markets, month of May.	99 00
" 31	663	New York Gas-light Co.	Lighting public lamps, month of May.	3,263 84
" 31	664	Manhattan Gas-light Co.	Lighting public lamps, month of May.	6,666 00
" 31	665	N. Y. Mutual Gas-light Co.	Lighting public lamps, month of May.	836 21
" 31	666	Metropolitan Gas-light Co.	Lighting public lamps, month of May.	6,383 59
" 31	667	Harlem Gas-light Co.	Lighting public lamps, month of May.	7,311 75
" 31	668	N. Y. & N. J. Globe Gas-light Co.	Lighting public lamps, month of May.	675 70
" 31	669	Central Gas-light Co.	Lighting public lamps, month of May.	5,655 00
" 31	670	Central Gas-light Co.	Lighting public lamps, month of May.	762 12
June 1	671	Suburban Gas-light Co.	Lighting public lamps, month of May.	3,883 33
" 1	672	Suburban Gas-light Co.	Lighting public lamps, month of May.	250 11
" 1	673	Yonkers Gas-light Co.	Lighting public lamps, month of May.	198 00
May 31	674	New York Gas-light Co.	Gas to public markets, etc., month of May.	890 91
" 31	675	Manhattan Gas-light Co.	Gas to public markets, etc., month of May.	406 79
" 31	676	Metropolitan Gas-light Co.	Gas to public offices, etc., month of May.	27 00
" 31	677	Harlem Gas-light Co.	Gas to public offices, etc., month of May.	63 51
" 29	678	J. L. Mott Iron Works.	50 lamp-posts for Twenty-third Ward.	425 00
" 29	679	J. L. Mott Iron Works.	50 lamp-irons for Twenty-third Ward.	47 50
June 4	680	J. L. Mott Iron Works.	20 lamp brackets.	35 00
" 4	681	J. L. Mott Iron Works.	58 lamp-posts.	505 50
" 4	682	J. L. Mott Iron Works.	10 lamp-posts.	97 50
" 4	683	J. L. Mott Iron Works.	Ornamental lamp-posts.	125 00
" 1	684	E. P. Gleason Manufacturing Co.	Ornamental lamp.	40 00
May 31	685	Wetmore & Co.	Iron bolts and washers.	4 00
June 4	686	Wetmore & Co.	Iron bolts.	2 00
" 10	687	Wm. W. Goodwin & Co.	New analytical apparatus.	60 00
" 8	688	McClain Brothers.	Spirit level.	1 25
" 12	689	J. L. Mott Iron Works.	100 crossheads.	140 00
" 12	690	J. L. Mott Iron Works.	100 lamp-irons.	95 00
" 12	691	J. L. Mott Iron Works.	10 lamp-posts.	100 00
" 20	692	Pay-roll.	Lighters of Public Markets, month of June.	99 00
" 20	693	Pay-roll.	Inspectors, month of June.	500 00
" 29	694	New York Gas-light Co.	Gas to public markets, etc., month of June.	753 73
" 29	695	Manhattan Gas-light Co.	Gas to public markets, etc., month of June.	339 53
" 26	696	N. Y. Mutual Gas-light Co.	Gas to Photometrical Room, month of June.	5 50
" 26	697	Metropolitan Gas-light Co.	Gas to public offices, etc., month of June.	89 25
" 27	698	Harlem Gas-light Co.	Gas to public offices, etc., month of June.	71 22
" 16	699	M. Dripps.	Binding maps.	25 00
" 19	700	E. P. Gleason Manufacturing Co.	100 street-lamps.	305 00
" 19	701	J. L. Mott Iron Works.	2 lamp-posts.	32 00
" 20	702	Wetmore & Co.	Iron bolts.	8 88
" 26	703	J. L. Mott Iron Works.	100 crossheads.	140 00
" 29	704	S. McCormick.	Hire of horse and wagon, etc., April 1 to June 30	62 50
Total.				\$130,595 75

EXHIBIT "B."

*Statement showing the Amounts on Vouchers drawn for Gas to the various Public Markets, Offices, etc., and for Fitting up, Repairing, and Lighting the Public Lamps, etc., for the Quarter ending June 30, 1878.*

Washington Market .....	\$433 39
Catharine Country Market .....	41 42
Catharine Meat        “ .....	22 61
Fulton Meat            “ .....	147 25
Fulton Country        “ .....	318 89



Essex Market.....	\$79 42	
Centre ".....	219 26	
Clinton ".....	185 44	
Union ".....	43 32	
Tompkins Market.....	143 45	
Jefferson ".....	100 13	\$1,734 58
First District Police Court.....	\$216 98	
Second ".....	32 68	
Third ".....	67 07	
Fourth ".....	61 20	
Fifth ".....	14 02	
Court of Special Sessions.....	1 33	
Second District Civil Court.....	11 02	
Fourth ".....	3 42	
Fifth ".....	3 23	
Sixth ".....	1 14	
Eighth ".....	4 94	
Marine Court.....	5 89	
Court-room, Brown Stone Building.....	\$27 55	422 92
New Court-house.....	800 09	
City Hall.....	492 10	
Receiver of Taxes.....	160 17	
Corporation Attorney's Office.....	46 36	
Pipe Yard, Rivington street.....	2 47	
Department of Buildings.....	1 33	
County Jail.....	378 10	
South Gate-house.....	6 87	
Engine-house, High Bridge.....	145 47	
Photometrical Rooms, Grand street.....	33 26	
Photometrical Rooms, Seventy-ninth street.....	46 24	2,140 01
Public Bath, Gouverneur slip.....	\$16 72	
" Bethune street.....	8 93	
" Fifth street, East river.....	6 46	
" Thirty-fifth street, North river.....	4 86	
" Thirty-seventh street, East river.....	7 07	
" One Hundred and Fourteenth street, East river.....	11 27	
Lighting Public Markets (Pay-rolls).....	\$1,508 00	55 31
Inspectors of Lamps (Pay-rolls).....	285 00	
Cleaner, Photometrical Room (Pay-roll).....	12 00	
New lamp-posts.....	1,366 25	
New street-lamps.....	1,107 50	
New Boulevard lamps.....	456 25	
New lamp-irons.....	193 00	
New crossheads.....	420 00	
New lamp-brackets.....	95 00	
Bolts and washers.....	17 88	
Gas-burners, etc.....	94 03	
Analytical apparatus.....	60 00	
Chemicals.....	5 00	
Spirit level.....	1 25	
Lamp maps.....	225 00	
Fitting up new lamp-posts.....	416 00	
Resetting and repairing lamp-posts.....	1,630 00	
Photometrical Rooms, Grand street (rent).....	87 50	
" Seventy-ninth street (rent).....	75 00	
Traveling expenses.....	93 80	
New lamp-posts, Twenty-third and Twenty-fourth Wards.....	425 00	
New street-lamps, Twenty-third and Twenty-fourth Wards.....	435 00	
New lamp-irons, Twenty-third and Twenty-fourth Wards.....	47 50	
Fitting up new lamp-posts, Twenty-third and Twenty-fourth Wards.....	906 00	
Resetting and repairing lamp-posts, Twenty-third and Twenty-fourth Wards.....	192 50	10,154 46
Lighting public lamps.....	\$85,558 20	
Lighting public lamps, Twenty-third and Twenty-fourth Wards.....	30,460 27	116,018 47
Total.....	\$130,525 75	

## EXHIBIT "C."

Summary of the Appropriation for "Lamps and Gas for 1878," showing the Balance against which no Vouchers have been drawn, with the Amount of Liabilities against the Appropriation, for the Quarter ending June 30, 1878.

Amount appropriated for "Lamps and Gas," for 1878.....	\$600,000 00
Amount of vouchers drawn during the quarter ending March 31.....	\$93,031 44
Amount of vouchers drawn during the quarter ending June 30.....	130,525 75

223,557 19

Balance against which no vouchers have been drawn..... \$376,442 81

Less amounts transferred by Board of Apportionment, as follows:

May 28. "Contingencies—Mayor's Office," 1878.....	\$3,500 00
" 28. Department of Public Charities and Correction, "For the erection of a Brick Pavilion at Bellevue Hospital for Insane Patients".....	10,000 00
June 5. "Public Buildings—Construction and Repairs," 1878.....	5,000 00

## Liabilities.

New York Gas-light Co., lighting public lamps, month of June.....	\$4,081 66
Manhattan Gas-light Co., ".....	6,729 67
Metropolitan Gas-light Co., ".....	6,574 52
N. Y. Mutual Gas-light Co., ".....	822 45
Harlem Gas-light Co., ".....	7,293 54
N. Y. and N. J. Globe Gas-light Co., ".....	867 95
Central Gas-light Co., ".....	6,061 70
Suburban Gas-light Co., ".....	4,068 44
Yonkers Gas-light Co., ".....	198 00
E. P. Gleason, repairs to lamp at Bowling Green.....	25 00
Hotchkiss, Field & Co., 100 lamp-posts.....	739 00
Bartlett Lamp Manufacturing Co., 100 Boulevard lamp tops.....	200 00
" " globes.....	100 00
Odd Fellows' Hall Association, rent of Photometrical Rooms, Grand street.....	87 50
O. T. Marshall, rent of Photometrical Rooms, Seventy-ninth street.....	75 00
E. G. Love, traveling expenses.....	9 36
Edgar Close, 100 street-lamps.....	305 00

38,238 79

Balance available June 30..... \$319,704 02

## EXHIBIT "D."

Summary of the "Lamp Account," showing the number of New Lamps Lighted, Old Lamps Relighted, and number Discontinued by each Gas Company, during the Quarter ending June 30, 1878.

## NEW YORK GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	3,082
Number of new lamps lighted during the quarter ending June 30, 1878.....	90
Number of old lamps relighted during the quarter ending June 30, 1878.....	5
Less lamps discontinued during the quarter ending June 30, 1878.....	3,177
Number of lamps burning June 30, 1878.....	3,170

## MANHATTAN GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	6,600
Number of new lamps lighted during the quarter ending June 30, 1878.....	8
Number of old lamps relighted during the quarter ending June 30, 1878.....	6,608
Less lamps discontinued.....	11
Number of lamps burning June 30, 1878.....	6,597

## METROPOLITAN GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	3,816
Number of new lamps lighted during the quarter ending June 30, 1878.....	83
Number of old lamps relighted during the quarter ending June 30, 1878.....	6
Less lamps discontinued during the quarter ending June 30, 1878.....	3,905
Number of lamps burning June 30, 1878.....	3,902

## NEW YORK MUTUAL GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	586
Number of new lamps lighted during the quarter ending June 30, 1878.....	1
Number of old lamps relighted during the quarter ending June 30, 1878.....	587
Less lamps discontinued during the quarter ending June 30, 1878.....	587
Number of lamps burning June 30, 1878.....	587

## HARLEM GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	4,237
Number of new lamps lighted during the quarter ending June 30, 1878.....	47
Number of old lamps relighted during the quarter ending June 30, 1878.....	8
Less lamps discontinued during the quarter ending June 30, 1878.....	4,292
Less lamps transferred to N. Y. and N. J. Globe Gas-light Co.....	498
Number of lamps burning June 30, 1878.....	510

Number of lamps burning June 30, 1878..... 3,782

## N. Y. AND N. J. GLOBE GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	498
Number of lamps transferred from account of the Harlem Gas-light Company during the quarter ending June 30, 1878.....	4
Number of new lamps lighted during the quarter ending June 30, 1878.....	502
Number of old lamps relighted during the quarter ending June 30, 1878.....	502
Less lamps discontinued during the quarter ending June 30, 1878.....	502

Number of lamps burning June 30, 1878..... 502

## CENTRAL GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	1,594
Number of new lamps lighted during the quarter ending June 30, 1878.....	77
Number of old lamps relighted during the quarter ending June 30, 1878.....	1
Less lamps discontinued during the quarter ending June 30, 1878.....	1,672
Number of lamps burning June 30, 1878.....	1,672

## SUBURBAN GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	973
Number of new lamps lighted during the quarter ending June 30, 1878.....	17
Number of old lamps relighted during the quarter ending June 30, 1878.....	990
Less lamps discontinued during the quarter ending June 30, 1878.....	990
Number of lamps burning June 30, 1878.....	990

## YONKERS GAS-LIGHT COMPANY.

Number of lamps burning March 31, 1878.....	72
Number of new lamps lighted during the quarter ending June 30, 1878.....	72
Number of old lamps relighted during the quarter ending June 30, 1878.....	72
Less lamps discontinued during the quarter ending June 30, 1878.....	72
Number of lamps burning June 30, 1878.....	72
Total number of lamps burning June 30, 1878.....	21,274

## RECAPITULATION.

Number of lamps burning March 31, 1878.....	20,960
Number of new lamps lighted during the quarter ending June 30, 1878.....	326
Number of old lamps relighted during the quarter ending June 30, 1878.....	21
Less lamps discontinued during the quarter ending June 30, 1878.....	347
Number of lamps burning June 30, 1878.....	21,307
Less lamps discontinued during the quarter ending June 30, 1878.....	33
Total number of lamps burning June 30, 1878.....	21,274

## EXHIBIT "E."

Statement showing the Illuminating Power of the Gas supplied by the several Gas-light Companies, during the Quarter ending June 30, 1878, as shown by the Daily Observations at the Photometrical Rooms of the Department of Public Works.

FOR WHAT TIME.	NEW YORK GAS CO.			MANHATTAN GAS CO.			NEW YORK MUTUAL GAS CO.			METROPOLITAN GAS CO.			HARLEM GAS CO.		
	ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.			ILLUMINATING POWER IN CANDLES.		
	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
During the Week Ending—															
April 6...	16.52	18.44	17.45	16.54	17.93	17.34	19.83	21.75	20.93	16.78	17.61	17.10	17.29	17.74	17.46
" 13...	15.97	17.58	16.64	16.52	17.78	17.37	20.63	22.14	21.46	16.24	17.76	16.93	16.34	16.93	16.66
" 20...	16.12	17.40	16.94	16.42	19.10	17.75	20.01	22.77	21.27	16.16	17.05	16.70	16.77	19.18	17.56
" 27...	15.56	17.45	16.83	17.64	18.52	17.95	20.43	22.48	21.36	16.11	17.23	16.68	16.43	17.19	16.90
May 4...	15.52	17.43	16.60	17.21	18.41	17.71	20.33	22.37	21.22	16.26	17.56	16.95	16.30	16.87	16.52
" 11...	15.19	17.01	16.31	17.36	19.22	18.11	19.71	23.82	21.51	16.63	17.27	17.00	16.00	16.55	16.29
" 18...	15.07	17.30	16.66	17.28	19.51	18.11	18.68	20.65	19.78	16.23	17.53	16.78	16.14	16.45	16.25
" 25...	16.52	17.63	16.95	16.65	18.06	17.41	18.13	19.80	18.90	16.00	16.73	16.48	16.27	18.87	17.85
June 1...	15.54	16.38	15.95	16.37	17.40	16.75	17.65	20.33	18.61	15.93	16.90	16.52	16.77	17.43	17.03
" 8...	15.67	17.43	16.53	16.38	17.20	16.82	18.02	19.78	18.92	16.37	17.95	17.04	16.17	17.23	16.65
" 15...	14.76	17.56	16.40	16.96	18.43	17.51	19.02	21.88	20.01	16.34	17.46	16.95	15.83	16.66	16.17
" 22...	16.12	17.61	16.84	16.44	17.19	16.93	18.02	21.31	19.91	16.60	18.58	17.60	16.00	20.16	18.10
" 29...	16.46	17.25	16.83	16.43	18.05	17.07	19.37	21.19	20.37	16.66	18.73	17.49	16.48	18.28	17.33
Dist'ce from Gas Works	2 4-100 Miles.			1 83-100 Miles.			1 79-100 Miles.			3 33-100 Miles.			1 75-100 Miles.		



DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF REPAIRS AND SUPPLIES—ROOM 18, CITY HALL,  
NEW YORK, July 1, 1878.

ALLAN CAMPBELL, Esq., Commissioner of Public Works:

SIR—In accordance with the requirements of chapter 335, Laws of 1873, section 110, and in compliance with your instructions, I herewith submit the following report of the transactions of this bureau for the three months ending June 30, 1878.

The statements marked "A," "B," and "C," annexed hereto show the number and amount of certified vouchers drawn during the three months, also where the same has been charged, and also the condition of the appropriations of 1877 and 1878 upon which vouchers have been drawn.

The transactions of the bureau during the quarter have been as follows:

*City Hall.*

Finishing the work of renovating and improving room 18, in progress at time of making last report.

Setting new coal-scale in rear of the building. Putting iron guards to two windows of Water Register's Office, on first floor. Repairing two storm-doors at entrance of room 21, and putting two marble-top washstands in same room.

Renovating room 13 for Bureau of Incumbrances, by removing old partitions, putting up new ones so as to make an inner and an outer office, putting up standing desk, painting and graining walls and woodwork, and kalsomining the ceiling.

Painting wood and tin work of cupola, two coats.

Repairing broken centre piece and cornice in room 19.

Painting woodwork and iron railing, giving black walnut work a coat of shellac, and kalsomining ceiling of room 4.

Laying Georgia pine floor on outside office of City Record. Kalsomining ceiling of kitchen and papering walls and ceilings of dining-room.

Cleaning the outside marble work of sides and southern front with steel brushes, which is still in progress.

Repairing and refitting northeast room of Chief Engineer's Bureau, room 11½, by inclosing a space with a paneled partition, putting up a black walnut standing desk inside of inclosed space, repairing, plastering, kalsomining and painting the ceilings and walls of room and hallway connected with it, and painting woodwork and iron railing. Cleaning the capital of one of the columns in rotunda.

Furnishing 5 tons egg coal, 2 tons cannel coal, 3 cords wood, 41 corn brooms, 11 dust brushes, 18 hair brooms, 4 dust pans, 15 scrub brushes, 1 window brush, 1 mop handle, 25 mops, 1 tumbler, 2 half barrels soft soap, 62 pounds hard soap, 15 sponges, 100 pounds cleaning powder, 1 cake sapolio, 1 ostrich feather duster, 6 turkey feather dusters.

*New Court-house.*

Making a large ash-box, building three closets in Court of Common Pleas rooms, putting up two lengths of wire railing in office of Finance Department, making a case of pigeon holes for Surrogate's office. Furnishing the following engineer's supplies: 20 pounds rotten stone, 100 pounds cotton waste, 10 gallons polishing oil, 25 balls lamp wick, 12 files, 3 oil cans, 6 quires emery paper, 100 pounds rubber, 25 lbs. steam packing, 30 feet steam hose, 6 man-hole gaskets, 12 hand hole gaskets.

Furnishing the following fuel and supplies: 6 cords pine wood, 150 tons furnace coal, 6 corn brooms, 16 hair brooms, 2 whisk brooms, 24 scrub brushes, 26 mops, 6 hair dusters, 4 window shades, 12 dust pans, 8 feather dusters, 225 lbs. hard soap, 3 half barrels soft soap, 12 sponges, 10 water pails, 6 goblets, 24 tumblers, 6 doz. boxes matches.

*Brown Stone Building.*

Painting woodwork in office of Department of Taxes and Assessments, and taking down glass partition inclosing west room in southeast corner of front basement, for the accommodation of same Department.

Taking down book case in Marine Court Clerk's office and putting it up in southeast corner of room, changing closet in northeast corner of room for a wash basin, and making a closet where the double doors are, building a closet with shelves, panel doors, etc., and making a book rack.

Furnishing the following fuel and supplies: 2 cords pine wood, 12 corn brooms, 4 hair brooms, 3 window brushes, 3 pails, 12 mops, 6 scrub brushes, 3 tin cups, 1 2-bushel basket, 18 pounds hard soap, 3 pieces toilet soap, 4 turkey feather dusters. Rearranging and putting up 4 water closets and 3 urinals, and painting same.

*Register's Office or Hall of Records.*

Cleaning out cellar by removing an accumulation of rubbish and ashes.

Painting wooden cornice, and painting on all four sides the words "Register's Office."

Putting new board ceiling in room occupied by bookbinder, cleaning the marble columns, capitals and other outside marble work with steel brushes. Repairing stucco work of outside walls, and painting them. Making and putting up six tiers of black walnut drawers under standing desk.

*No. 27 Chambers street.*

Putting up awnings for Commissioners of Accounts.

Furnishing the following supplies: 1 water pail, 6 pieces hard soap, 1 corn broom, 1 dust brush, 2 tumblers, 6 boxes matches, 1 turkey feather duster.

*Dispensary Building (corner White and Centre streets.)*

Fitting up this building as mentioned in last report. The first floor for the Board of Assessors and Attorney for the Collection of Arrears of Personal Taxes, by repairing and kalsomining the walls and ceilings, painting woodwork, putting up partitions, painting signs and putting up gas fixtures, and the third and fourth floors for the Second District Civil Court, by running partitions, putting up old benches, building judge's platform, jury box, etc., renovating the entrance staircase, kalsomining and painting, connecting clerk's office with judge's room by speaking tube, repairing desks and putting up pigeon holes in clerk's office, putting a sounding board over judge's desk, painting signs and putting up chandeliers, pendants and brackets for the gas.

*Third District Court-house, (Sixth avenue, corner Tenth street.)*

Overhauling water closets to insure proper working, repairing plumbing in janitor's apartments, properly trapping where necessary the urinals throughout the building, replacing broken urinal in Civil Court Clerk's office, and putting in an 8-inch iron trap to connect with main sewer in cellar.

Putting up awnings to six windows of Civil Courts, fitting up examination room with platforms, partitions, seats, etc., and making alterations in Court-room, now in progress.

Furnishing the following supplies: 2 gallons black varnish, 1 gallon turpentine, ¼ gallon liquid dryer, 1½ gallons raw oil, 1 lb. burnt umber in oil, 4 paint brushes, 75 lbs. hard soap, 3 dust pans, 8 tumblers, 12 boxes parlor matches, 1 cake sapolio, 3 whisk brooms, 6 boxes sulphur matches, 3 sponges, ½ barrel soft soap, 12 towels, 12 cakes toilet soap, 6 hair brooms, 2 turkey feather dusters.

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

Repairing door locks and waste pipe of water basin in Civil Court Clerk's office; repairing plumbing in female prison pen and in police room on first floor.

Furnishing the following supplies: 6 corn brooms, 3 dust brushes, 75 lbs. hard soap, 6 cakes toilet soap.

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

Repairing water pipes and cocks in Civil Court Clerk's office, and repairing gas fixtures in Civil Court.

*City Prison (part occupied by Court of Special Sessions and First District Police Court), corner Centre and Franklin streets.*

Resetting bench in examination room of Police Court, repairing sashes and glazing in female prison of Police Court.

*County Jail (Ludlow street.)*

Putting about 20 feet of new galvanized leader on northeast corner of building; scraping, brushing and whitewashing all the brick walls and ceilings throughout the corridors, cells and staircases; laying new floors in front office, passageway and bath room; repairing leak in roof and giving the whole roof a coat of paint.

Furnishing the following supplies: 50 straw mattresses, 50 straw pillows, 30 barrels sawdust, 36 corn brooms, 5 half barrels soft soap, 6 mop handles, 6 long handle scrubs, 150 lbs. hard soap.

*No. 49 Beekman street.*

Thoroughly overhauling the soil pipes and traps, changing them and carrying soil pipe through the roof, for Corporation Attorney's office.

Furnishing the following supplies: 15 lbs. hard soap, 2 mops.

*First District Police Court (City Prison.)*

Repairing about 12 chairs and one table.

Furnishing the following supplies and books: ½ cord wood, 2 tons grate coal, 6 cakes toilet soap, 1 pint disinfectant, 1 copy of Revised Statutes, 6th edition.

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

Repairing about two dozen chairs, and furnishing 1 copy each of the following law books:

Archbold's Criminal Law, 2 vols.; Bishop upon Criminal Law, 2 vols.; Cowen's Digest, Criminal Law; Colby's Criminal Law, vol. 2; Greenleaf's Evidence, 3 vols.; Waterman's Criminal Digest; McCall's N. Y. and Criminal Justice; Parker's Criminal Reports, 6 vols.; Phillips' Famous Cases Circum. Ev.; Revised Statutes, 6th ed., 3 vols.; Russell on Crime, 3 vols.; Stevens' Criminal Law; Corporation Ordinances, 1866.

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

Repairing iron railing on south side of building; easing safe door; putting up awnings over private entrance; repairing a lounge and six chairs; putting gas-bracket in female prison; furnishing 1 looking-glass and 3 whisk brooms.

*Fourth District Police Court (Seventh District Court-house.)*

Furnishing 1 eight-foot step-ladder.

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

Lining gutters, painting roof, and putting it in complete order.

Furnishing 3 door mats, 1 mat for judge's room, and 1 6-gallon water cooler.

*Second District Civil Court (Dispensary Building.)*

Removing furniture, safe, etc., to new rooms; repairing 2 clocks; supplying and laying about 160 yards linoleum, about 95 yards body Brussels carpet, and 4 pieces cocoa matting; putting up 11 new blue shades with spring rollers, furnishing one black walnut combination washstand, 1 table, 1 revolving chair, 32 bent oak woven seat chairs, 2 looking-glasses, 1 6-gallon water cooler; re-upholstering 1 lounge; furnishing the following supplies: 6 cuspadores, 1 window brush, 3 scrub brushes, 6 corn brooms.

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

Furnishing 1 copy each of the following law books: New York Reports, vol. 67; Laws of N. Y. for the years 1865 and 1869 inclusive.

*Fourth District Civil Court (First street, corner Second avenue.)*

Putting awnings to windows of clerk's office, and furnishing 1 eight-day clock.

*Fifth District Civil Court (54 Clinton street.)*

Furnishing 1 copy each of the following law books: Brightley's Digest of Decisions in N. Y. Court of Appeals, Abbot's New Cases, 3 vols.; Starkie on Evidence, N. Y. Code of Civil Procedure; Kent's Commentaries, Abbot's Practice Reports, N. S.; McAdam's Landlord and Tenant, Pocket Copy of N. Y. Code.

*Sixth District Civil Court (southwest corner Eighteenth street and Fourth avenue.)*

Removing furniture, safe, etc., to new rooms, corner Eighteenth street and Fourth avenue. Fitting up new rooms by building platform for judge's desk, witness stand, and jury box, inclosing jury box with plank and rail with gate, setting up the old benches, altering and putting up the iron railing, painting the new woodwork and iron railing, putting up old chandeliers and brackets, putting up 8 new window shades and 2 new skylight shades, making and putting up new sign, putting 2 new awnings to windows of clerk's room, furnishing new black walnut desk for judge and for clerk, putting up new rep curtain hangings on black walnut pole and brackets behind judge's desk, cleaning old carpet and matting and relaying part in clerk's room and court-room laying about 95 yards of body Brussels carpet and about 54 yards of cocoa matting, and furnishing 1 looking-glass.

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

Repairing desks in Clerk's office and furnishing about 30 yards cocoa matting in 4 pieces, and one copy each of the following law books: 2d, 3d, 4th and 5th "Daly's Reports," E. D. Smith's Reports, 4th volume; Brightley's Digest, N. Y.; New Code Annotated.

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

Repairing about 12 old chairs, furnishing 12 new ones and reglazing 6 or 8 broken lights.

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

Furnishing 1 black walnut book-case, and 1 copy each of the following law books: E. D. Smith's Reports, vols. 1 to 4 inclusive; Hilton's Report, N. Y. Common Pleas, vols. 1 and 2; N. Y. Reports, Court of Appeals, vols. 1 to 67 inclusive; Hun's Supreme Court Reports, vols. 1 to 18 inclusive.

*Supreme Court (New Court-house.)*

Furnishing 10 goblets.

*Marine Court (Brown Stone Building.)*

Furnishing 1 looking-glass, 2 window-screens, 10 tumblers, 1 six-gallon water-cooler, 4 whisk brooms.

*Surrogate's Office.*

Furnishing 1 ten-gallon water-cooler, 1 three-gallon water-cooler, 6 cakes toilet soap, 4 cuspadores, and 1 copy each of the following law books: Vol. 2 Session Laws of N. Y., 1847; vol. 68 N. Y. Reports; Session Laws of N. Y., 1864; Session Laws of N. Y., 1876; Session Laws of N. Y., 1877.

*District Attorney's Office (Brown Stone Building.)*

Cleaning 1 sofa and 1 easy chair, re-upholstering 1 easy chair, furnishing 1 lounge, 7 cakes toilet soap.

*Corporation Counsel, Staats Zeitung Building.*

Altering iron railing in chief clerk's room, making and inclosing a stand for standing desk with pigeon holes for books, putting up two new window shades, furnishing 6 pieces Brussels carpet, 2 cocoa door mats, 3 corn brooms, 2 feather dusters, making a case of shelves for boxes, putting up 11 old window awnings.

*Mayor's Office, City Hall.*

Repairing electric bells and putting in new battery in main office. Furnishing 3 window screens, 18 boxes matches and 2 cakes toilet soap to Marshal's office, and 4 porcelain shades and 4 gas chimneys to License Bureau.

*Board of Aldermen, City Hall.*

Furnishing 2 argand chimneys, 1 six-gallon water cooler, 1 box matches, 6 roller towels.

*Finance Department, New Court-house.*

Making black walnut case of pigeon holes and shelves, repairing about 50 chairs, furnishing and laying about 30 yards of body Brussels carpet and 2 pieces of same for desk and door, furnishing 1 sheepskin mat, 2 sets of pots for water colors, 10 cakes of water colors, 12 camel's hair brushes, 40 gallons astral oil, 2 doz. lamp chimneys, 1 doz. lamp wicks, 1 doz. lamp shades, 6 towels, 10 cakes toilet soap, 1 water pail, 2 pieces hard soap, 2 dust pans, 1 feather duster.

*Attorney for Collection of Arrears of Personal Taxes, Dispensary Building.*

Removing furniture, etc., to new office, remaking and laying old carpet, relaying old oil cloth, furnishing and laying about 85 yards of body Brussels carpet, putting new shades to front windows and furnishing 1 window brush, 1 scrub brush, 1 corn broom, 3 pieces soap, 1 feather duster, 1 dust pan, 1 hair duster, 1 pail.



Supplies for and Cleaning Public Offices, 1877—		
Balance March 31, 1878.....		\$149 64
Vouchers drawn.....		2 50
		<hr/>
Balance June 30, 1878.....		\$147 14
		<hr/>
Supplies for and Cleaning Public Offices, 1878—		
Balance March 31, 1878.....		\$65,058 91
Vouchers drawn.....		22,387 20
		<hr/>
Balance June 30, 1878.....		\$42,671 71
		<hr/>
Public Buildings—Construction and Repairs—		
Balance March 31, 1878.....	\$28,924 30	
Additional Appropriation.....	5,000 00	
	<hr/>	
Vouchers drawn.....		\$33,924 30
		9,984 01
		<hr/>
Balance June 30, 1878.....		\$23,940 29
		<hr/>
Free Floating Baths, 1877—		
Balance March 31, 1878.....		\$154 00
Vouchers drawn.....		77 00
		<hr/>
Balance June 30, 1878.....		\$77 00



Free Floating Baths, 1878—	
Balance March 31, 1878	\$8,382 50
Vouchers drawn	2,417 86
Balance June 30, 1878	\$5,964 64
Additional Free Floating Baths—	
Balance March 31, 1878	\$16,124 71
Vouchers drawn	4,718 10
Balance June 30, 1878	\$11,406 61

## Available Balances of Appropriations.

Supplies for and Cleaning Public Offices, 1877—	
Balance after deducting vouchers	\$147 14
Liabilities (estimated)	None.
Available balance	\$147 14
Supplies for and Cleaning Public Offices, 1878—	
Balance after deducting vouchers	\$42,671 71
Liabilities (estimated)	2,882 31
Available balance	\$39,789 40
Public Buildings—Construction and Repairs—	
Balance after deducting vouchers	\$23,940 29
Liabilities (estimated)	3,407 62
Available balance	\$20,532 67
Free Floating Baths, 1877—	
Balance after deducting vouchers	\$77 00
Liabilities (estimated)	None.
Available balance	\$77 00
Free Floating Baths, 1878—	
Balance after deducting vouchers	\$5,964 64
Liabilities (estimated)	103 30
Available balance	\$5,861 34
Additional Free Floating Baths—	
Balance after deducting vouchers	\$11,406 61
Liabilities (estimated)	480 35
Total expenses of the quarter	\$10,926 26

DEPARTMENT OF PUBLIC WORKS,  
BUREAU OF STREET INCUMBRANCES—ROOM 13, CITY HALL,  
NEW YORK, July 9, 1878.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

The following report of the operations of this Bureau for the quarter ending June 30, 1878 (months of April, May, and June), is herewith respectfully submitted.

The number of complaints received against street and sidewalk obstructions and incumbrances 1,369, in each of which a proper notice has been served on the offending party, for the abatement or removal of the same. The number of removals to the Corporation yards, or other suitable place, of merchandise, trucks, wagons, stands, stones and dirt, 38. The expense of such removals (including 1,139 loads of stone and dirt from various parts of the city), was \$704.65.

Total expenses of the quarter	\$1,086 15
Received from owners for redemption of articles seized and removed	\$32 00
Received from sales at Corporation Yards	160 35
	\$192 35

The moneys so received have been paid over to the City Chamberlain.

The amount above given from sales at Corporation Yards was derived as follows:  
Amount sales yard foot of Gansevoort street, May 9, 1878. \$133 00  
Amount sales yard foot of Rivington street, May 9, 1878. 27 35

As above given	\$160 35
Number of builders' permits issued	1,065
Permits to cut down trees	4
Permits for special purposes	65
Notices to repair sidewalks	454
Notices to replace dangerous vault covers	5

I find that citizens generally give a willing assent to the requirements of the law when the same is fairly and equitably enforced. A few months ago I issued notices, with your approval, to owners, etc., of property on Broadway, from Chambers to Twenty-third streets, to remove all awnings extending over the sidewalk, and all awning posts, such being in violation of the City Ordinances, within thirty days of the service of such notices all such were voluntarily removed, and the improvement thus made on that prominent thoroughfare, must be apparent to every one who walks or rides thereon.

The work of this Bureau during the last three months has not been performed without some trouble and embarrassment, arising from the unfortunate conflict of opinion between the Mayor and Corporation Counsel on the one hand, and the Board of Aldermen on the other, with reference to obstructions on the streets and sidewalks. Under the charter provisions of 1873, and the opinion of the Counsel to the Corporation, the Mayor, in accord with the repeated reports and conclusions of the head of this Department, has deemed it his duty to veto certain resolutions looking to the maintenance and increase of incumbrances, deemed to be violative of such provisions; the Board of Aldermen have disregarded these protests, and from this diversity have arisen frequent instances where this Department had either to do its duty as it conceived it, sanctioned as it was by the highest executive and legal authority of the city government, or else render itself amenable to the charge of disregarding its interpretation of the clear intent and spirit of the law. I am sorry to say that in several notable instances, where this Bureau has followed out the clear line of its duty, as it understands it, the judicial authority has been invoked, and has intervened, not only to determine the legal questions involved, but pending such to nullify the action of this Department, and to permit the obstructions or incumbrances to be re-established or restored. It is sincerely to be desired that all branches of the municipal authority shall work in harmony and unison, and I trust that some clearly defined laws and methods will be the result of past and present differences, that shall make clear the policy and duty in regard to vexed questions of street and sidewalk incumbrances and obstructions. The present system harasses and affixes pecuniary penalties on the least guilty, and permits the grossest violations to exist under the sanction of legislative or judicial authority. The people will give a ready acquiescence to all laws and ordinances that are conceived and carried out fairly and impartially.

Respectfully,  
JOSEPH BLUMENTHAL,  
Superintendent of Incumbrances.

NEW YORK, July 1, 1878.

Hon. ALLAN CAMPBELL, Commissioner of Public Works:

SIR—I herewith transmit statement of moneys received for water rents, penalties, and taps, for the quarter ending June 30, 1878:

	Principal.	Penalties.	Taps.
April	\$45,006 11	\$1,026 80	\$772 50
May	180,145 82	595 50	774 50
June	164,402 56	420 00	411 50
	\$389,554 49	\$2,042 30	\$1,958 50
Total		\$393,555 29	

Also for rent of meters, placed to "Special Meter Deposit Fund," for the quarter ending June 30, 1878:

April	\$593 70
May	319 00
June	131 00
Total	\$1,043 70

Also for meters, and placed to "Special Meter Stock Fund," for the quarter ending June 30, 1878:

April	\$725 28
May	841 15
June	294 27
Total	\$1,860 70

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

## POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,  
No. 300 MULBERRY STREET,  
BUREAU OF ELECTIONS,  
NEW YORK, August 28, 1878.

Notice is hereby given, in pursuance of a resolution of the Board of Police, that the following named persons are under consideration for selection and appointment as Inspectors of Election, on behalf of the Republican party, for the ensuing election.

Objections thereto, if any exist, as to their character or qualifications, are hereby invited, to the end that the same may be investigated before the final action of the Board.

JOHN J. O'BRIEN,  
Chief of the Bureau of Elections.

## REPUBLICAN INSPECTORS OF ELECTION, 1878.

## First Assembly District.

1. Wm. H. McIntire, real estate, 3 Broadway.
2. Jeremiah Conley, agent, 68 Beaver st.
3. Thomas F. McCabe, clerk, 4 Morris st.
4. George S. Sherwood, at leisure, 27 B'way.
5. John R. McIntire, real estate, 3 Broadway.
6. Bernard McCabe, clerk, 112 New Church st.
7. John F. Lee, doorkeeper, 18 New st.
8. Philip Dwyer, boatman, 23 West st.
9. Edward P. Collins, plumber, 4 Rector st.
10. John S. Lawler, gas-fitter, 4 Rector st.
11. Thos. F. McLaughlin, telegraph, 538 Greenwich st.
12. William B. Wade, porter, 72 Greenwich st.
13. John J. Kenavan, porter, 135 Washington st.
14. Richard F. Scully, janitor, 68 Broadway.
15. Charles J. Holman, insurance, 105 Greenwich st.
16. John Cannt, janitor, 24 New street.
17. John J. Dodwell, clerk, 38 Beach st.
18. Edward Hogan, laborer, 442 Greenwich st.
19. Henry Arber, porter, 25 Platt st.
20. John Duff, lithographer, 274 Pearl st.
21. James V. Byrne, watchman, 52 Laight st.
22. John Condon, cartman, 58 North Moore st.
23. James Cavanagh, laborer, 345 Greenwich st.
24. Jno. Gallagher, shoemaker, 425 Greenwich st.
25. Edward O'Brien, laborer, 44 Harrison st.
26. James Tucker, oysters, 111 Hudson st.
27. Saml. G. Burns, laborer, 68 North Moore st.
28. Daniel J. Reilly, clerk, 12 Harrison st.
29. Michael Baron, plumber, 56 West B'way.
30. William McMahon, plumber, 50 West B'way.
31. Michael J. Hayden, blacksmith, 6 Staple st.
32. Herman Portner, clerk, 181 Franklin st.
33. Henry V. Crawford, druggist, 43 North Moore st.
34. Michael J. Madigan, painter, 117 Hudson st.
35. Chas. H. Trainer, clerk, 384 Washington st.
36. John E. McDougall, clerk, 48 North Moore st.
37. George W. Mason, 121 West Broadway.
38. Gabriel Regnault, machinist, 25 North Moore st.
39. James J. Kiernan, artist, 19 Beach st.
40. James A. Deats, boatman, 417 Greenwich st.
41. Joseph O'Brien, clerk, 201 W. 50th st.
42. Arthur Hanley, butcher, 62 North Moore st.
43. Stephen Markham, laborer, 5 Hubert st.
44. Patrick Ryder, machinist, 116 Hudson st.
45. Francis Redmond, bookkeeper, 15 Desbrosses st.
46. James Sullivan, porter, 11 Desbrosses st.

## Second Assembly District.

1. John Ceragioli, real estate, 215 William st.
2. Richard W. Manning, proof reader, 1660 Second ave.
3. Samuel C. Smith, clerk, 202 William st.
4. Philipp Betz, sign painter, 232 William st.
5. John W. Nammack, contractor, 430 Pearl st.
6. F. Wimmer, tobacconist, 35 Vandewater st.
7. John F. Bryant, type rubber, 4 Dover st.
8. James J. Lynch, printer, 8 Catharine st.
9. John Brown, printer, 56 New Chambers st.
10. M. Stapleton, proof reader, 31 Catharine st.
11. Geo. Mitchell, shipping clerk, 45 Cherry st.
12. John Degenfeld, porter, 267 William st.
13. W. J. Kavanagh, painter, 31 James st.
14. H. Minneker, agent, 33 James st.
15. Francis Marriott, carpenter, 468 Pearl st.
16. G. E. Liebetran, agent, 25 City Hall pl.
17. Thomas F. Harrington, clerk, 49 Cherry st.
18. Wm. A. Hilt, Jr., agent, 405 Pearl st.
19. Edward T. Brereton, porter, 24 James st.
20. John T. McCarthy, printer, 49 James st.
21. Francis R. Adams, painter, 2 Rose st.
22. John McBride, porter, 8 New Bowery.
23. William M. Downes, agent, 22 Oliver st.
24. Thomas Halloran, printer, 79 James st.
25. Thomas C. Swanton, agent, Marion House, cor. Catharine & E. Broadway.
26. John R. Murphy, cigars, 55 Oak st.
27. John Heaney, printer, 42 Oak st.
28. Chas. Wimmer, clerk, 35 Vandewater st.

## Third Assembly District.

1. George K. Glenn, printer, 547 Pearl st.
2. John Manning, umbrella, 472 Pearl st.
3. Richard White, jeweler, 24 City Hall pl.
4. Dennis J. Sullivan, express, 26 City Hall pl.
5. Timothy Lynch, express, 489 Pearl st.
6. Denis Shea, produce, 432 Pearl st.
7. R. M. Keleher, fancy feathers, 23 Pell st.
8. Adolph Glaser, jeweler, 58 Henry st.
9. Francis McGrane, machinist, 267 William st.
10. Martin Loftus, boxmaker, 39 Park st.
11. Michael McMahon, expressman, 6 Doyer st.
12. Mich'l Bayersdorf, merchant, 33 Catharine st.
13. Michael Haley, stone cutter, 146 Leonard st.
14. Pierce B. Doogue, collector, 286 E. 136th st.
15. Aug. Burkhardt, coppersmith, 125 White st.
16. Raymond Johnson, carpenter, 526 Pearl st.
17. Daniel McCullough, mailor, 106 Centre st.
18. Peter A. Kuhn, clerk, 119 White st.
19. John Barnes, machinist, 107 Mott st.
20. John Bailey, porter, 1 Jersey st.
21. Wm. H. Rooney, clerk, 55 E. Houston st.
22. Austin Allen, kalsominer, 65 E. Houston st.
23. Charles L. Hertle, real estate, 15 Spring st.
24. James Evers, clerk, 198 Elizabeth st.
25. Daniel Cassidy, drugs, 220 Mott st.
26. William H. Finley, carpenter, 47 Prince st.
27. Thomas Banks, clerk, 37 Spring st.
28. James Cogan, storekeeper, 166 Mulberry st.
29. William Hanlon, harness maker, 283 Mott st.
30. John Boyle, waiter, 108 Bowery.
31. Dennis J. McCormack, clerk, 40 Marion st.
32. John Hebbard, printer, 182 Grand st.
33. Geo. A. Angele, real estate, 105 Elizabeth st.
34. Geo. E. Thomas, laborer, 196 Mott st.
35. Henry Miller, painter, 193 Mott st.
36. John C. Smith, contractor, 417 Broome st.
37. George E. Browne, optician, 197 Elm st.
38. Stephen R. Turner, lastmaker, 88 Monroe st.
39. Cornelius Dineen, hatter, 158 Elizabeth st.
40. John Moore, plasterer, 110 Mulberry st.
41. James J. Rath, real estate, 185 Elizabeth st.
42. John J. Masterson, engraver, 141 Mott st.
43. William H. Waters, clerk, 191 Canal st.
44. John O'Neil, clerk, 133 Elizabeth st.
45. Thos. F. Harty, paper ruler, 264 Division st.
46. Wm. H. O'Connell, gas fitter, 96 Baxter st.
47. Thomas J. Downey, brushes, 58 Baxter st.
48. Nathan Sanders, barber, 159 Leonard st.
49. Peter Waters, bricklayer, 247 Elizabeth st.
50. Jacob Rufner, barber, 90 Bayard st.
51. John Whearty, porter, 142 Elm st.
52. David H. Stinson, engineer, 219 Grand st.
53. Ed. D. Burnham, clerk, 152 Mott st.
54. F. M. Megee, coachmaker, 210 Mulberry st.

## Fourth Assembly District.

1. Daniel E. Haggerty, clerk, 521 Grand st.
2. Robert Gale, ship carpenter, 334 Front st.
3. George J. Hayes, cartman, 337 Cherry st.
4. Robert Rigsby, cork cutter, 103 Madison st.
5. Patrick McAleer, coppersmith, 695 water st.
6. Lawrence Burke, cartman, 279 Monroe st.
7. Benjamin F. Tuers, hatter, 197 Monroe st.
8. Platt C. Curtiss, cartman, 197 Monroe st.
9. Daniel O'Brien, joiner, 144 Cherry st.
10. Henry Nagle, cartman, 140 Cherry st.
11. George Huber, bookbinder, 144 E. B'way.
12. John B. Roche, clothing, 93 Division st.
13. Joseph Donohue, clerk, 161 Madison st.
14. Joseph Thompson, cigars, 358 Madison st.
15. Robert B. Abbott, clerk, 62 Pike st.
16. George W. Bromhead, truckman, 22 Montgomery st.
17. Festus A. Fenton, clerk, 384 Grand st.
18. John Dwyer, bookbinder, 129 E. Broadway.
19. Daniel Mone, clerk, 265 Division st.
20. Maurice Downing, clerk, 125 Monroe st.
21. Jas. M. Bennet, confectionery, 88 Monroe st.
22. Chris. E. Duganne, caulker, 42 Scammel st.
23. Abraham Meyers, shoes, 14 Montgomery st.
24. Patrick Reddy, cartman, 16 Jackson st.



13. John J. Tuers, clerk, 197 Monroe st.  
F. W. Fosdick, caulker, 507 Grand st.
14. Chas. M. Newens, merchant, 251 Henry st.  
Henry T. Miller, corsets, 3 Clinton pl.
15. W. H. McMahon, clerk, 153 Madison st.  
H. H. Glass, lawyer, 307 Henry st.
16. Benj. Bolton, oysters, 27 Gouverneur st.  
Thomas Arden, clerk, 245 Henry st.
17. Fred. J. Banker, printer, 61 Montgomery st.  
Henry Coleman, painter, 77 Montgomery st.
18. David Ahearn, cooper, 339 Front st.  
David Crowley, cartman, 388 Cherry st.
19. H. Bausher, clerk, 41 Montgomery st.  
O. C. Whedon, clerk, 41 Montgomery st.
20. John J. Denice, clerk, 32 Jackson st.  
Arthur Prentiss, clerk, 315 Henry st.
21. Charles W. Little, shoes, 20 Ridge st.  
Frank Burke, cartman, 279 Monroe st.
22. Thomas Golding, tinsmith, 33 Jackson st.  
Moses Nussbaum, stationery, 277 Monroe st.
23. Michael Kent, boilermaker, 430 Cherry st.  
Michael Irwin, cartman, 693 Water st.
24. Frederick Smith, tinsmith, 615 Grand st.  
James J. Bolton, oysters, 27 Gouverneur st.
25. Jas. H. McDonough, trucks, 218 Henry st.  
Peter Niemann, grocer, 229 Madison st.
26. S. Nethercott, boilermaker, 44 Jackson st.  
William Bitter, carpenter, 75 Gouverneur.

#### Fifth Assembly District.

1. Chas. C. Wilson, carpenter, 63 Macdougall st.  
George Cortisso, salesman, 4 King st.
2. Wm. Kitson, clerk, 328 Spring st.  
Chas. W. Sperbeck, express, 326 Spring st.
3. Wm. J. Anderson, painter, 34 Renwick st.  
Albert E. Swain, clerk, 64 King st.
4. H. H. Von Dreele, agent, 108 Charlton st.  
G. W. Bostwick, oysters, 493 Greenwich st.
5. Wm. T. Edwards, painter, 89 Varick st.  
Luther Morey, iron railings, 23 Dominick st.
6. Daniel Mooney, insurance, 581 Broome st.  
Jas. T. Snedeker, well sinker, 555 Broome st.
7. G. W. Smalley, painter, 249 W. Houston st.  
J. McCord, builder, 577 Broome st.
8. Joseph T. Page, printer, 222 Varick st.  
Zeba M. Clark, dentist, 25 Carmine st.
9. Walter M. Heyer, provisions, 36 Dominick st.  
Robt. Guy, produce, 229 Spring st.
10. Wm. H. Wood, music, 211 W. Houston st.  
Geo. Van Zile, Jr., carver, 32 Leroy st.
11. Wm. H. Henwood, gold beater, 259 W. Houston st.  
J. R. Sherwood, clerk, 32 Leroy st.
12. Crawford McGrew, cartman, 81 King st.  
James D. Center, agent, 63 Macdougall st.
13. Chas. H. Housley, hatter, 39 King st.  
John De Voe, sailmaker, 224 Varick st.
14. Abram W. Ebbets, gasfitter, 160 Sullivan st.  
J. D. Post, agent, 17 Sullivan st.
15. Frederick Vogel, barber, 55 Thompson st.  
Ambrose A. Leach, painter, 30 Downing st.
16. Thomas Cronan, carpenter, 100 Sullivan st.  
A. McKenzie, plumber, 511 Greenwich st.
17. Sam'l S. Leon, paperhanger, 26 Bedford st.  
Geo. W. Myers, waiter, 1 King st.
18. Patrick F. Kelly, at leisure, 30 Grand st.  
John H. Dean, butcher, 26 Bedford st.
19. Charles Jacoby, agent, 105 Sullivan st.  
Ferdinand Koehler, painter, 83 Sullivan st.
20. Charles Weymuth, grocer, 100 Sullivan st.  
Francis Rose, salesman, 175 Spring st.
21. Christian Kuntz, stairbuilder, 97 S. Fifth av.  
Wm. H. Roston, painter, 253 W. Houston st.
22. Michael Bergen, clerk, 70 King st.  
Lazar Reichman, cigars, 81 1/2 Thompson st.
23. Ralph Tyner, stationer, 124 Spring st.  
Sam'l M. Housley, express, 58 Downing st.
24. A. O. Stephens, cartman, 381 Hudson st.  
A. J. Ougheltree, conductor, 198 Varick st.
25. Thomas J. Wallace, waiter, 68 Leroy st.  
J. Hirsch, tobacco, 413 Hudson st.
26. Frank S. Benedict, clerk, 60 Carmine st.  
Alexander McQueen, goldbeater, 165 W. Houston st.
27. John Murphy, watchman, 16 Downing st.  
Geo. H. Bloomer, shoes, 2 Bedford st.
28. J. H. Sturken, confectioner, 199 Bleecker st.  
Chas. Lynch, butcher, 36 Bedford st.

#### Sixth Assembly District.

1. William Fennel, boatbuilder, 15 Attorney st.  
James Cunningham, carpenter, 62 Lewis st.
2. Lyman J. Gillies, clerk, 45 Goerck st.  
Henry C. Place, machinist, 458 Grand st.
3. James H. Folan, printer, 275 Rivington st.  
James Murray, salesman, 172 Clinton st.
4. Chas. W. Gaudineer, clerk, 9 Cannon st.  
Edwin B. Duganne, caulker, 19 Attorney st.
5. John J. Clark, expressman, 552 Grand st.  
John O'Hare, boilermaker, 35 Willett st.
6. Charles H. Williamson, boatbuilder, 131 Broome st.  
Henry S. Jennings, clerk, 98 Clinton st.
7. Charles W. Ferris, printer, 62 Pitt st.  
R. R. Bowne, paperhanger, 238 Delancey st.
8. Joshua R. World, clocks, 42 Pitt st.  
W. Cunningham, news agent, 134 Broome st.
9. George Ferguson, varieties, 41 Lewis st.  
Theodore Brodhead, mineral waters, 19 Attorney st.
10. J. Fred. Heilner, grocer, 78 Attorney st.  
William Cable, clocks, 397 Grand st.
11. John Hill, britannia, 93 Clinton st.  
James Donnelly, coachman, 57 Columbia st.
12. Merton G. Swart, lawyer, 152 Clinton st.  
Edwin T. White, sailmaker, 29 Ridge st.
13. Charles B. Frelich, clerk, 50 Pitt st.  
James G. Swart, cigars, 187 Delancey st.

14. Wm. H. Ritchie, clerk, 275 Rivington st.  
John J. McConnell, milk, 293 1/2 Delancey st.
15. Wm. Weber, cabinetmaker, 151 Broome st.  
C. F. Colby, brushmaker, 168 Clinton st.
16. Chas. N. Blackman, porter, 173 Clinton st.  
Francis O'Brien, cartman, 77 Broome st.
17. Henry E. Kantorowicz, insurance, 184 Clinton st.  
Charles Heileg, clerk, 13 Lewis st.
18. A. A. Hutchinson, bookkeeper, 172 Clinton st.  
Geo. E. Miller, sexton, 14 Willet st.

#### Seventh Assembly District.

1. C. C. Douglass, clerk, 132 W. 11th st.  
Mathias Gooderson, insurance, 51 and 53 W. 11th st.
2. James B. Smith, sailmaker, 45 Bleecker st.  
John McDermott, lithographer, 40 W. 13th st.
3. William Johnson, express, 39 W. 9th st.  
Geo. W. Wilson, florist, 86 W. 12th st.
4. Alfred Appel, bookkeeper, 49 Clinton pl.  
Geo. C. Wallace, druggist, 64 Sixth av.
5. Daniel Straus, saloon, 6 W. 11th st.  
Frederick Eayrs, boarding-house, 34 E. 12th st.
6. Christian Herrlich, shoemaker, 42 1/2 W. 11th st.  
John R. Allen, hatter, 14 Bible House.
7. Edward S. Winter, clerk, 48 Greenwich av.  
W. O. Van Brunt, clerk, 225 Sullivan st.
8. John J. McGowan, gasfitter, 281 1/2 Elizabeth st.  
Dennis Flanagan, brass finisher, 62 E. Houston st.
9. Silas E. Totten, fancy goods, 64 S. 5th av.  
W. H. Jones, saddler, 56 W. Houston st.
10. Gerrit S. Van Wie, clerk, 123 Waverley pl.  
J. H. C. Vollmers, cigars, 70 Sixth av.
11. William G. Hanna, clerk, 83 Bleecker st.  
Wm. A. Clarke, lawyer, 40 Washington sq.
12. Thomas McKie, at leisure, 40 S. Washington sq.  
H. L. Ryckman, clerk, 139 Bleecker st.
13. John M. Macfarlane, prof. acct., Clinton Place Hotel, Sixth av. and Eighth st.  
James J. Smith, silversmith, 204 Wooster st.
14. John Duroche, real estate, 171 W. 4th st.  
Henry Roeder, Jr., barber, 112 W. Houston st.
15. David E. Gregory, superintendent, 250 W. 14th st.  
John W. Hurst, clerk, 175 Bleecker st.
16. Henry Grasse, lawyer, 56 Sixth av.  
Charles W. Walker, bookkeeper, 171 Bleecker st.
17. David W. Davis, insurance, 347 W. 14th st.  
Wm. J. McClune, carpenter, 415 W. 18th st.
18. Geo. C. Taylor, dentist, 155 W. 12th st.  
Francis Moulin, brushes, 92 Eighth av.
19. G. W. Howser, hatter, 223 Sixth av.  
Peter McTaggart, clerk, 92 Eighth av.
20. Geo. L. Condit, clerk, 230 W. 13th st.  
Michael F. Conlon, bookkeeper, 86 Greenwich av.
21. Giles W. Dart, hotel, 201 W. 14th st.  
John Shepherd, mason, 254 W. 16th st.

#### Eighth Assembly District.

1. George Murray, clerk, 168 Allen st.  
Frank Lynch, clerk, 142 Forsyth st.
2. Charles Schupp, cigars, 294 Broome st.  
Jas. Neville, clerk, 111 Hester st.
3. Michael Coleman, butcher, 100 Suffolk st.  
William T. Johnston, harnessmaker, 100 Suffolk st.
4. Isaac W. Mead, clerk, 86 Essex st.  
Daniel Hoey, porter, 46 Orchard st.
5. Jacob Haubrich, cigars, 102 Allen st.  
Joseph J. Hauer, cigars, 84 Allen st.
6. Charles Davenport, watchman, 97 Norfolk st.  
Fred. Vorbach, machinist, 122 Delancey st.
7. Philipp Adams, merchant, 238 Broome st.  
Morris Beutler, insurance, 226 Broome st.
8. George W. Jones, clerk, 76 Rivington st.  
George Reichmann, music, 90 Chrystie st.
9. Peter Zenzius, cigars, 86 Chrystie st.  
James M. Smith, clerk, 128 Hester st.
10. Michael Piggott, porter, 36 Allen st.  
John W. Dunn, clerk, 14 Allen st.
11. Michael Murphy, clerk, 79 Canal st.  
Cornelius Foley, longshoreman, 33 Allen st.
12. Albert Block, Jr., clerk, 322 Grand st.  
Robert W. Lynch, clerk, 94 Rivington st.
13. Maurice F. Harris, clerk, 3 Ludlow st.  
Charles Seelig, merchant, 28 Orchard st.
14. Marcus Jacob, jeweler, 21 Norfolk st.  
Sol Kronthal, cigars, 218 Broome st.
15. John C. Muller, grocer, 178 Division st.  
Edward R. Paine, clerk, 38 Hester st.
16. Robert L. Scholer, clerk, 8 Eldridge st.  
Gustav Troster, jeweler, 13 Eldridge st.
17. James Smith, printer, 21 Delancey st.  
Samuel Greewald, cigars, 57 Bowery.
18. Francis F. Heckler, watchman, 168 Forsyth st.  
Charles Barry, clerk, 38 Forsyth st.
19. G. A. Schurmann, bookbinder, 149 Allen st.  
Jacob Stawitz, cigars, 153 Eldridge st.
20. Robert McMaster, printer, 92 Attorney st., top floor.  
Wm. O. Davone, clerk, 166 Eldridge st.
21. John Hall, clothing, 132 Norfolk st.  
Jacob Kappes, leather, 157 Stanton st.
22. H. P. Langwasser, turning, 281 Stanton st.  
Nicolaus Hartmann, metal spinner, 95 Eldridge st.
23. George W. Lewis, grocer, 121 Cannon st.  
Edmund Specht, brewer, 303 E. Houston st.
24. Joseph L. Bailey, boots and shoes, 117 Lewis st.  
James W. Steers, clerk, 91 Cannon st.

25. James Aken, painter, 116 Cannon st.  
John M. Jackson, printer, 345 E. Houston st.
26. Simon Gottschall, cigars, 111 Sheriff st.  
Joseph Heckler, clerk, 262 Rivington st.
27. Wm. H. Jeroloman, clerk, 119 Columbia st.  
James W. Stanley, locksmith, 102 Lewis st.
28. Thomas Clendenen, ship joiner, 449 E. Houston st.  
James M. Gill, machinist, 97 Cannon st.
29. Simon V. Pilgrim, physician, 108 Columbia st.  
William J. Lewis, clerk, 121 Cannon st.
30. Charles M. Jeroloman, undertaker, 119 Columbia st.  
Wm. V. Brownell, express, 73 Lewis st.

#### Ninth Assembly District.

1. Herman M. Myer, storage, 562 Hudson st.  
Dewitt Beardsley, produce, 395 Bleecker st.
2. James M. Ryder, news agent, 710 Greenwich st.  
Edmund Bodine, bank note printer, 51 Eighth av.
3. Alex. I. George, truckman, 74 Bedford st.  
Arthur S. Hawley, clerk, 1 Abingdon sq.
4. Albert L. Hall, clerk, 17 Barrow st.  
William Flack, clerk, 54 Charles st.
5. Thomas McTaggart, cigars, 753 Washington st.  
Wandell J. See, milk, 412 W. 13th st.
6. Sam'l A. Mosher, salesman, 335 W. 11th st.  
Thos. H. Coppins, painter, 1 Spencer pl.
7. Jesse Newman, carpenter, 603 Greenwich st.  
Alex. H. Ross, agent, 327 W. 13th st.
8. Geo. W. Howard, clerk, 691 Washington st.  
Robert Miller, at leisure, 81 Barrow st.
9. N. D. Herder Clark, collector, 34 Grove st.  
J. C. Stewart, clerk, 324 Bleecker st.
10. Charles H. Rogers, truckman, 136 Christopher st.  
John S. Berry, clerk, 695 Washington st.
11. Wm. A. Marrener, carpenter, 32 Jones st.  
Jos. H. Wells, insurance, 81 Barrow st.
12. William A. Gedney, carpenter, 17 Barrow st.  
W. H. Rossman, salesman, 396 Bleecker st.
13. Edward Taylor, plumber, 545 Hudson st.  
George E. Disbrow, clerk, 173 Charles st.
14. William Riley, salesman, 88 Jane st.  
Albert W. Smith, clerk, 8 Jane st.
15. J. Franklin, stationer, 433 Hudson st.  
John F. Luther, Jr., pianomaker, 24 West Washington pl.
16. A. H. Dakin, stationer, 128 Christopher st.  
Wm. C. Carpenter, lawyer, 11 Greenwich av.
17. Edw. Townner, stair-builder, 390 Bleecker st.  
Daniel Putney, broker, 65 Bedford st.
18. Jas. H. Ferdon, clerk, 24 Commerce st.  
D. G. Beeching, clerk, 16 Morton st.
19. Thos. J. Grant, tobaccoist, 530 Hudson st.  
Clarence A. Burtis, painter, 41 Grove st.
20. Robert R. Carpenter, truckman, 9 Leroy st.  
James H. Pettingill, coal, 408 W. 14th st.
21. Wm. H. Housner, sash and blind, 27 Christopher st.  
William Demarest, mason, 49 Barrow st.
22. James Brennan, clerk, 196 W. 10th st.  
William S. Lane, clerk, 209 W. 10th st.
23. Theodore Longstreet, copyist, 241 W. 4th st.  
George W. Freed, painter, 4 Charles st.
24. Samuel S. Palmer, commission, 16 Bank st.  
J. T. Pangburn, clerk, 66 Perry st.
25. Harry C. Carlock, clerk, 275 W. 4th st.  
Wm. H. Plimpton, clerk, 58 Eighth av.
26. Wm. E. Miller, hambagger, 448 W. 16th st.  
James Hilton, carpenter, 506 W. 16th st.
27. Brewster S. Oldis, fish, 25 Charles st.  
Gilbert Jackson, clerk, 85 Tenth av.

#### Tenth Assembly District.

1. Charles Holl, gilder, 199 Forsyth st.  
Adolph D. Lowenthal, bookkeeper, 173 E. Houston st.
2. W. B. Kraft, broker, 84 Stanton st.  
Frederick Wagner, watchmaker, 151 E. Houston st.
3. Louis Friedrich, lithographer, 64 First st.  
Frederick Voegelin, hair dressing, 224 E. Houston st.
4. Jeremiah M. Wood, clerk, 151 Suffolk st.  
John C. Niglutsch, physician, 162 Stanton st.
5. Charles Eifler, notary, 158 Norfolk st.  
Henry Gottlieb, real estate, 312 Fifth st.
6. Joseph Platz, clerk, 134 Third st.  
Emil T. Braasch, painter, 424 Sixth st.
7. Henry J. Pape, carpenter, 28 First av.  
Wm. Rohling, gold beater, 210 E. Houston st.
8. Frederick Seibert, agent, 116 First st.  
James McMenomy, moulder, 175 Ludlow st.
9. Edward T. Rourke, paver, 130 E. 4th st.  
John Spratt, pianos, 20 First av.
10. Geo. J. Dambmann, painter, 198 Allen st.  
Andrew Shields, lawyer, 108 Second av.
11. Anthony Pfeiffer, varnisher, 139 Third st.  
Frank Gassmann, barber, 56 First av.
12. Alphonse Singer, clerk, 175 Third st.  
Louis A. Hoffmann, undertaker, 196 Third st.
13. Jos. A. Hoffmann, undertaker, 141 Third st.  
George A. Endler, varnisher, 177 Third st.
14. Conrad Hottes, hardware, 68 Avenue A.  
Aaron Goldsmith, frames, 526 Fifth st.
15. Charles Gunther, compositor, 165 E. 4th st.  
Gustav Borck, bookkeeper, 59 First av.
16. John Donahue, painter, 207 Fifth st.  
James Brady, plumber, 130 E. 4th st.
17. John Kolter, watchman, 218 Fifth st.  
William Fuller, clerk, 205 Fifth st.
18. Sam'l Schwartz, importer, 733 Lexington av.  
Isaac Fromme, lawyer, 331 Sixth st.

19. Adolph Volgenau, bottler, 512 Sixth st.  
Charles Braun, oysters, 80 Avenue A.
20. Frederick Gerberding, prompter, 512 Sixth st.  
Louis Eifler, cigars, 90 Avenue A.
21. G. Ferd. Mueller, butcher, 509 Sixth st.  
Louis F. Hassell, real estate, 158 Norfolk st.
22. George Emmermann, salesman, 233 Sixth st.  
William Fromm, plater, 96 First av.

#### Eleventh Assembly District.

1. Benj. L. Ahern, locksmith, 232 Sixth av.  
Fredk. Guyer, clerk, 236 Sixth av.
2. Wm. Lawrence Mead, tailor, 234 Fourth av.  
John F. Clinch, clerk, 44 E. 18th st.
3. Frank G. Whytal, clerk, 50 W. 19th st.  
Alfred W. Royle, clerk, 300 W. 30th st.
4. Chas. A. Wiley, lawyer, 62 W. 22d st.  
Edward M. Senior, undertaker, 1313 Broadway.
5. Geo. W. Brinck, freight broker, 348 W. 28th st.  
William H. Merry, printer, 315 W. 27th st.
6. Andrew Hefner, gilder, 433 Sixth av.  
Wm. S. Shove, express, 304 W. 29th st.
7. William H. Strube, clerk, 422 Sixth av.  
William F. Roth, cigars, 408 Sixth av.
8. Ogden Haight, agent, 20 W. 31st st.  
Jas. K. P. Boyd, real estate, 46 W. 24th st.
9. Thomas L. Davis, stationery, 471 Sixth av.  
S. Conant Foster, bookkeeper, 22 W. 27th st.
10. R. Berrian, stair builder, 225 W. 28th st.  
John F. Hinds, real estate, 330 W. 27th st.
11. J. Y. Meeker, jeweler, 402 Sixth av.  
Henry Meyer, gilder, 418 Sixth av.
12. John Adger, mason, 160 W. 31st st.  
Alex. Woods, Jr., student, 373 Eighth av.
13. Richard F. Burke, clerk, 306 W. 20th st.  
Samuel Stewart, clerk, 356 W. 20th st.
14. Jas. H. Studley, Jr., painter, 413 Eighth av.  
John T. Meteer, carpets, 141 W. 27th st.
15. Wm. Wagler, manufacturer, 346 Eighth av.  
Daniel Mackey, carpenter, 367 W. 27th st.
16. Charles F. Brinck, clerk, 348 W. 28th st.  
Albert Salter, Jr., real estate, 321 W. 28th st.
17. William J. Larkin, clerk, 254 W. 32d st.  
Samuel Eldridge, express, 227 W. 30th st.
18. Edward S. Flow, clerk, 132 W. 30th st.  
William J. White, barber, 131 W. 30th st.
19. John Murray, coal, 230 W. 33d st.  
Joseph Rhodes, plumber, 222 W. 29th st.
20. James H. Covell, chemist, 343 W. 32d st.  
Le Roy Clark, lumber, 350 W. 30th st.
21. Richard Babeuf, stationer, 254 W. 31st st.  
Robert Robinson, Jr., clerk, 386 Ninth av.
22. Arch'd. Wilson, grocer, 227 W. 30th st.  
Robert Adair, tailor, 256 W. 31st st.
23. Geo. B. Adams, clerk, 360 W. 27th st.  
Edward W. Lown, clerk, 380 Ninth av.
24. John F. Smith, bookkeeper, 430 Eighth av.  
William J. Foster, driver, 112 W. 29th st.
25. Frank M. Brady, mason, 160 W. 31st st.  
Wm. T. Miller, barber, 150 W. 31st st.
26. William B. Oakden, clerk, 128 W. 29th st.  
P. H. Murphy, dentist, 38 W. 32d st.
27. W. H. Robinson, stationery, 105 W. 42d st.  
C. E. Hubbard, dentist, 358 W. 28th st.
28. George S. Fitch, at leisure, 115 W. 38th st.  
Orlando Cheeks, at leisure, 33 Fifth av.
29. Charles Lang, painter, 207 W. 29th st.  
Wm. F. Browne, bookkeeper, 432 Eighth av.
30. James W. Garfield, imitation leather, 71 E. 54th st.  
George H. Cook, furniture, 452 Sixth av.

#### Twelfth Assembly District.

1. Wm. H. Miller, insurance, 308 Third street.  
Thomas McCann, clerk, 625 E. 9th st.
2. Mosses Warner, clerk, 609 Sixth st.  
Chas. D. Graham, house finisher, 707 E. 12th st.
3. O. H. Zundel, printer, 183 Avenue B.  
Wm. Hahn, Jr., gunsmith, 617 E. 11th st.
4. John Schutz, waiter, 632 E. 11th st.  
J. G. Kappes, cabinet maker, 614 E. 11th st.
5. George W. Dimond, clerk, 747 E. 9th st.  
Cornelius Burns, tinsmith, 190 Avenue C.
6. Joseph Mansfield, clerk, 737 E. 9th st.  
John C. Church, clerk, 726 E. 9th st.
7. H. Schumacher, lithographer, 381 Eighth st.  
F. E. Doughty, ship joiner, 143 Avenue D.
8. John P. Erbe, finisher, 333 Eighth st.  
Henry Osterweis, merchant, 138 Avenue C.
9. W. A. Graham, real estate, 370 Eighth av.  
Moses Mayer, cigars, 80 Avenue D.
10. Meier Schiff, clerk, 131 Avenue C.  
Bendix Minden, cigars, 324 Eighth st.
11. Joseph Lissa, cigars, 322 E. 4th st.  
C. A. Pavie, clerk, 806 S. 6th st.
12. John T. Conner, iron work, 164 Avenue C.  
Samuel Mosheim, salesman, 633 Sixth st.
13. Geo. W. Young, copyist, 79 Lewis st.  
William Parr, lawyer, 356 E. 4th st.
14. Joseph Horn, porter, 65 Avenue C.  
Max Zeigler, carver, 55 Avenue C.
15. Jas. Dudgeon, ship joiner, 284 Seventh st.  
Wm. Steen, carriage trimmer, 164 Lewis.
16. Geo. A. Donaldson, printer, 700 Fifth st.  
Samuel Cregar, druggist, 27 Avenue D.
17. H. Rosby, carriage trimmer, 49 Avenue D.  
Adolph E. Lux, cutter, 738 Fifth st.
18. Albert F. Fitch, salesman, 13 Avenue D.  
Isidor Grayhead, lawyer, 608 Sixth st.
19. Siegmund Rothschild, clerk, 102 Avenue C.  
Joel Lindler, bookkeeper, 15 Avenue D.
20. George W. Adams, insurance, 367 Eighth st.  
Robert V. Mackey, builder, 321 E. 4th st.
21. Isaac Warner, clerk, 130 Avenue C.  
John McCann, clerk, 625 E. 9th st.



22. Edw. M. Stevens, drugs, 426 E. Houston st.  
William Pfarrer, crockery, 10 Avenue D.  
23. Isaac Strauss, clerk, 350 E. Houston st.  
Daniel Cohn, furnishing goods, 338 E. Houston st.

*Thirteenth Assembly District.*

- Robert H. Simpson, sportman's goods, 523 W. 23d st.
- Jas. D. Hopkins, vet. surgeon, 523 W. 23d st.
- John Marshall, printer, 520 W. 20th st.
- Henry Queripel, Jr., hardware, 175 Tenth av.
- Dennis P. Bloomer, clerk, 434 W. 18th st.
- Wm. Jones, clerk, 257 W. 18th st.
- Chas. W. Hambrook, tinsmith, 187 Tenth av.
- James H. Goodall, harnessmaker, 342 W. 21st st.
- William Hunt, druggist, 367 W. 22d st.
- Henry J. Chapman, tailor, 189 Ninth ave.
- Joseph McElroy, shoes, 188 Ninth ave.
- Richard B. Harney, fancy goods, 190 Ninth av.
- Wm. H. Pearson, at leisure, 435 W. 22d st.
- John H. Ehrhorn, tobacco, 215 Ninth ave.
- James Tuthill, bookkeeper, 158 W. 20th st.
- Henry Smith, clerk, 257 W. 18th st.
- Fred'k R. Fielding, machinist, 267 Ninth av.
- William G. Owens, bookkeeper, 256 Ninth av.
- Jas. B. Clark, lawyer, 253 Ninth ave.
- J. C. Gilles, stonemason, 456 W. 25th st.
- Geo. W. Winant, coal, 410 W. 19th st.
- Wm. M. Robinson, sewing machine, 166 8th ave.
- Jacob McGlensey, plasterer, 332 W. 18th st.
- J. E. Adams, Jr., feed, 238 W. 17th st.
- James McIntyre, painter, 124 Eighth ave.
- Samuel P. White, carpenter, 128 W. 22d st.
- Curtis Siddons, carpenter, 506 W. 24th st.
- Richard M. Bell, printer, 152 Seventh ave.
- W. Hamilton Morgan, insurance, 241 W. 22d st.
- Jas. M. Tuthill, bookkeeper, 158 W. 20th st.
- Geo. N. Andrus, druggist, 270 W. 24th st.
- John H. Griffith, sewing machines, 363 W. 17th st.
- Moritz Ballin, shirts, 236 W. 24th st.
- Manning Burk, agent, 347 W. 17th st.
- Wm. B. Barton, painter, 310 W. 21st st.
- Van Buren Macgregor, oils, 233 W. 16th st.
- Daniel M. Keeley, plasterer, 128 W. 19th st.
- Pat'k J. McNamee, plasterer, 159 W. 19th st.
- John S. Belcher, clerk, 112 W. 22d st.
- George Ivers, carpenter, 152 Ninth ave.
- Richard McElroy, clerk, 188 Ninth ave.
- Thos. Bristol, shoes, 359 Sixth ave.
- Algernon Jones, clerk, 148 W. 25th st.
- John W. Brommer, clerk, 111 W. 24th st.
- E. H. Van Doorn, printer, 331 W. 24th st.
- J. McFarland, clothing, 345 W. 24th st.
- Geo. Cavanagh, stairbuilder, 345 W. 17th st.
- Allan D. Brodie, clerk, 257 W. 18th st.

*Fourteenth Assembly District.*

- L. W. Davis, livery stables, 115 E. 12th st.
- Andrew Milligan, jeweler, 82 Third ave.
- John S. Phillips, printer, 140 First ave.
- Joseph Whitfield, real estate, 61 Seventh st.
- G. Van Duzer, inventor, 84 E. 10th st.
- Louis H. Lattan, bookkeeper, 71 St. Mark's pl.
- Morris Davis, crockery, 34 Third ave.
- Walter J. Martin, clerk, 134 E. 13th st.
- George Boyce, plumber, 113 Seventh st.
- Frank Donnarumma, painter, 51 Third ave.
- A. Hamilton Mulligan, clerk, 145 E. 13th st.
- Wm. H. Gerow, salesman, 251 E. 13th st.
- John A. Colvin, oysters, 209 First ave.
- Charles H. Conklin, clerk, 213 First ave.
- John S. Ross, clerk, 61 Third ave.
- Samuel Wagner, cigars, 233 First ave.
- Joseph P. Tuohy, cigars, 200 First ave.
- George Ballard, porter, 434 E. 14th st.
- Matthew T. Gaffney, printer, 425 E. 12th st.
- Henry Schwardi, musician, 304 E. 18th st.
- Dan'l Murphy, photographer, 303 E. 10th st.
- Robert Kennedy, clerk, 222 Avenue B.
- L. F. Barry, printer, 233 E. 13th st.
- A. H. Kitching, plumber, 53 Third ave.
- Pat'k Donahue, plasterer, 192 Avenue B.
- Thomas Kohler, saloon, 504 E. 12th st.
- James C. Potter, printer, 189 Second ave.
- George W. Marc, cigars, 441 E. 12th st.
- E. D. Garnsey, carpenter, 129 E. 10th st.
- Frank White, agent, 282 E. 10th st.
- M. J. Murphy, wood turner, 282 E. 10th st.
- Wm. J. Grandy, salesman, 275 E. 10th st.
- Robt. Lunney, iron moulder, 176 Avenue B.
- Augustus M. Gentzsch, manufacturer of trimmings, 147 Avenue A.

*Fifteenth Assembly District.*

- John Murray, painter, 549 W. 30th st.
- John Collins, watchman, 380 W. 35th st.
- William Burke, shoes, 557 W. 32d st.
- Thos. Robinson, clerk, 1289 Broadway.
- Wm. H. Orton, printer, 406 W. 28th st.
- Chas. Aug. Urban, weaver, 319 Ninth ave.
- Peter F. Clark, butcher, 314 W. 33d st.
- Henry Cron, clerk, 424 W. 29th st.
- Robert Montgomery, ice, 606 W. 37th st.
- Wm. Montgomery, dry goods, 327 W. 35th st.
- Wm. Mylius, pianos, 468 Eighth ave.
- Robert S. Stedman, brass finisher, 419 Ninth ave.
- David S. Baker, driver, 419 W. 37th st.
- Patrick Ward, engineer, 372 Tenth ave.
- William G. Rain, express, 440 W. 35th st.
- Nicholas Christman, butcher, 404 W. 32d st.
- George B. Fuller, livery stable, 415 W. 34th st.
- John McGuire, grain, 365 W. 35th st.

- Thomas Hartley, shoes, 434 W. 29th st.
- Wm. Van Aken, clerk, 441 W. 34th st.
- Geo. W. Palmatier, carpenter, 419 W. 37th st.
- John W. Bock, clerk, 302 W. 37th st.
- James Adair, tailor, 321 Ninth ave.
- Wm. A. DeLanoy, grocer, 417 W. 28th st.
- William S. Gordon, printer, 425 W. 30th st.
- Charles Dwyer, machinist, 307 Tenth ave.
- John Deery, stonemason, 430 W. 39th st.
- Thomas Farrell, clerk, 264 W. 40th st.
- L. P. Weigmann, bookkeeper, 454 W. 39th st.
- James Ferguson, painter, 329 W. 41st st.
- Philip Cohen, Jr., tailor, 334 W. 37th st.
- William Dougherty, Jr., lithographer, 324 W. 34th st.
- Robert Miller, carpets, 503 Eighth ave.
- Theodore E. Roome, gasfitter, 494 Tenth ave.
- John McCreadie, clerk, 312 W. 39th st.
- John Morrison, electrician, 253 W. 37th st.
- Joseph Sterling, machinist, 259 W. 36th st.
- Joseph Genthner, carver, 409 W. 35th st.
- Dan'l B. Sullivan, newsdealer, 510 Eighth av.
- Augustus S. Brainard, clerk, 510 Eighth av.
- Robert W. Muller, barber, 434 Seventh ave.
- Oscar A. Fuller, bookkeeper, 415 W. 34th st.
- Julius Zubrod, cigars, 459 Seventh ave.
- James H. Hunter, clerk, 201 W. 34th st.
- John L. Girvin, clerk, 473 Seventh ave.
- Charles S. Smith, painter, 492 Eighth ave.
- Thos. Hamilton, driver, 456 W. 40th st.
- William H. Carter, saloon, 130 W. 33d st.
- Robert McBeath, carpenter, 264 W. 33d st.
- Alex. Gervaise, engineer, 400 W. 34th st.
- W. Irving Fiero, bookkeeper, 430 W. 35th st.
- Berrien Keyser, grocer, 439 W. 34th st.
- John Frick, jeweler, 354 W. 39th st.
- Jacob Powles, engineer, 400 W. 34th st.

*Sixteenth Assembly District.*

- Ernest Kuder, barber, 303 Avenue C.
- James Duffy, varnisher, 312 Avenue A.
- Jacob Haubert, real estate, 518 E. 16th st.
- William J. Garvin, laborer, 507 E. 16th st.
- John Taffe, plasterer, 71 Lexington ave.
- John Jones, lather, 514 E. 16th st.
- Patrick H. Condon, clerk, 444 E. 15th st.
- Chas. G. Buck, tobacco, 239 Avenue A.
- Francis Callaghan, plumber, 198 Third ave.
- George A. Sherman, crockery, 229 Avenue A.
- Abm. Barnett, furniture, 315 E. 25th st.
- John Wright, saddler, 311 Fourth ave.
- Patrick F. O'Neill, junk, 426 E. 18th st.
- George W. Lush, carpenter, 457 Second ave.
- James Wright, saddler, 311 Fourth ave.
- John O'Keefe, clerk, 409 E. 17th st.
- John A. Trapp, clerk, 413 E. 19th st.
- Terence Larkin, rigger, 418 E. 20th st.
- John H. Scofield, carpenter, 147 E. 22d st.
- William J. Cray, plumber, 405 E. 20th st.
- Robert Kennedy, blacksmith, 388 First ave.
- James McCowen, clerk, 357 First av.
- J. H. Fricke, commissioner, 416 Second ave.
- Dionysius W. Burke, clerk, 310 E. 24th st.
- Edward Vyse, clerk, 311 E. 21st st.
- George C. Groves, laborer, 321 E. 21st st.
- T. Stevenson, bookkeeper, 334 Second ave.
- John R. Dunlap, druggist, 300 E. 20th st.
- John H. Post, lawyer, 108 W. 16th st.
- Stewart F. Clark, plumber, 263 First ave.
- C. H. Hyde, clerk, 351 E. 15th st.
- Patrick J. Howe, shoes, 391 Fourth av.
- Robt. Parkhill, tailor, 211 Third ave.
- John A. Scott, carpenter, 247 E. 19th st.
- John Roberts, ship carpenter, 203 E. 17th st.
- E. Brooks Cowan, clerk, 242 E. 21st st.
- T. K. Fletcher, dry goods, 286 Third ave.
- A. Chellborg, Jr., baker, 299 Third ave.
- Michael Keefe, printer, 222 E. 26th st.
- A. J. Cunningham, compositor, 75 Lexington ave.
- Christian Kolle, Jr., bookkeeper, 28 Lexington ave.
- R. W. Turner, stationer, 349 Fourth ave.
- J. W. Hallenbeck, real estate, 234 E. 26th st.
- Belden J. Rogers, hardware, 104 E. 25th st.
- Clarence D. Jones, lawyer, 81 Irving pl.
- C. F. Chellborg, lumber, 299 Third ave.
- Chas. H. Taintor, publisher, 135 E. 18th st.
- J. W. Wilson, stenographer, 115 E. 17th st.
- Theodore P. Kelly, baker, 34 W. 26th st.
- Charles O. French, clerk, 20 Irving pl.
- Jas. A. Monaghan, painter, 515 E. 14th st.
- Lee Witty, mason, 602 E. 15th st.
- Alvin Wallace, carpenter, 400 E. 25th st.
- N. P. Chamberlain, clerk, 47 Lexington ave.
- Joseph Kerns, locksmith, 342 Third ave.
- D. H. McIlwain, oil, 210 E. 19th st.
- Thos. Tierney, marble cutter, 387 First ave.
- Herman Anhalt, cigars, 396 Second ave.
- Thomas Killalea, laborer, 517 E. 14th st.
- Simon Cron, restaurant, 608 E. 17th st.
- James H. Johnson, clerk, 182 Third ave.
- Norman White, painter, 208 E. 21st st.

*Seventeenth Assembly District.*

- Frank C. Wright, suspenders, 259 W. 43d st.
- Geo. F. Finlay, wagons, 516 W. 42d st.
- Leonard Leisersohn, cigars, 644 Eighth ave.
- Peter W. Becker, jeweler, 523 W. 50th st.
- H. Wm. Ruschaupt, cigars, 351 W. 40th st.
- Fred. Schneider, shoes, 351 W. 40th st.
- John Kinney, clerk, 309 W. 42d st.
- John Beattie, painter, 357 W. 44th st.
- Henry Hamilton, marble cutter, 628 W. 52d st.
- E. D. Bertine, milk, 419 W. 47th st.
- Daniel W. Clemens, brooms, 440 W. 45th st.
- Jacob Michaelis, teacher, 235 W. 40th st.

- Robert Hay, clerk, 523 W. 49th st.
- Edward F. Vanderbilt, clerk, 408 W. 49th st.
- Ludlow Traver, truckman, 598 Ninth ave.
- Chas. A. Grant, at leisure, 426 W. 44th st.
- Edward Brown, painter, 404 W. 55th st.
- Walter A. Sandford, lumber, 516 W. 42d st.
- Wm. A. Haggerty, lawyer, 843 Sixth ave.
- John M. Beickert, cigars, 682, Eighth ave.
- Charles E. Mott, coal, 307 W. 47th st.
- Louis D. Kook, painter, 215 W. 40th st.
- Thos. Nesbitt, conductor, 449 W. 44th st.
- Eben Demarest, clerk, 526 W. 51st st.
- F. F. Beebe, carbon papers, 427 W. 47th st.
- Thomas Hay, clerk, 430 W. 43d st.
- Jas. J. Hughes, real estate, 841 Sixth ave.
- John W. Lewis, painter, 7 Stryker's lane.
- E. R. Thompson, clerk, 529 W. 49th st.
- Sam. H. Thompson, clerk, 514 W. 51st st.
- Rich. E. Mott, bookkeeper, 307 W. 47th st.
- James M. Byrne, at leisure, 318 W. 47th st.
- Geo. H. Heap, engraver, 419 W. 47th st.
- Jas. R. Garrison, livery, 873 Eighth ave.
- Nathan H. Coleman, Jr., bookkeeper, 302 W. 52d st.
- Wm. C. Hussey, carpenter, 622 W. 54th st.
- Jas. Garrison, clerk, 402 W. 55th st.
- Chas. W. Ellis, printer, 535 W. 43d st.
- James Sparks, insurance, 305 W. 48th st.
- Dan. W. Kelsey, iron work, 521 W. 46th st.
- Lewis C. Davie, clerk, 242 W. 50th st.
- Joseph Ogle, at leisure, 509 W. 49th st.
- Chas. B. Many, carpenter, 409 W. 47th st.
- Jas. S. McDermott, butcher, 741 Tenth ave.
- G. H. Planitz, clerk, 364 W. 51st st.
- Wm. Hacker, cabinet maker, 747 Tenth av.
- Geo. W. Randolph, clerk, 408 W. 44th st.
- Fred. E. Flammar, butcher, 901 Eighth ave.
- Jas. S. Mercer, printer, 335 W. 53d st.
- Robt. Durando, awnings, 237 W. 53d st.
- John Fitzgerald, real estate, 154 W. 50th st.
- Robt. J. Kingsland, carpets, 107 W. 52d st.
- Oliver N. Snow, clerk, 239 W. 43d st.
- E. B. Demarest, engineer, 350 W. 52d st.
- Maxwell E. More, carpenter, 325 W. 54th st.
- Jacob F. Heitz, barber, 802 Ninth ave.
- Robt. B. Bach, lawyer, 205 W. 52d st.
- E. H. Healy, clerk, 526 W. 51st st.
- Chester Wyckoff, clerk, 854 Seventh ave.
- Wm. J. O'Bryon, broker, 424 W. 51st st.
- William Winterbottom, stone cutter, 345 W. 48th st.
- Chas. L. Hildreth, dentist, 301 W. 51st st.
- Wm. Corbett, grocer, 615 Eleventh ave.
- Dan. Wannmaker, carpenter, 529 W. 45th st.
- Thomas K. Miller, agent, 404 W. 50th st.
- George W. Eastburn, driver, 554 W. 51st st.

*Eighteenth Assembly District.*

- David Wilson, sexton, 108 E. 27th st.
- Wm. Taylor, painter, 209 E. 26th st.
- Jas. A. Trimble, mouldings, 220 E. 28th st.
- Solomon Runkle, segars, 341 E. 30th st.
- James H. Johnson, cooper, 240 E. 29th st.
- Martin Kelly, shoes, 504 Second ave.
- Augustus L. Heckler, editor, 419 Third ave.
- D. Stanley Lyons, physician, 210 E. 30th st.
- Wm. H. Carroll, gas-fitter, 558 Second ave.
- Geo. Roberts, at leisure, 327 E. 30th st.
- Charles E. Lansing, clerk, 311 E. 30th st.
- Thos. Hyland, feed, 513 Third ave.
- Geo. S. Crum, machinist, 241 E. 31st st.
- Jos. A. Spear, clerk, 63 Madison ave.
- Wm. H. Arnold, clerk, 318 E. 27th st.
- Augustus W. Kassing, butcher, 567 Second ave.
- James V. Logue, cooper, 341 E. 32d st.
- John J. Cuttle, bookbinder, 155 E. 31st st.
- Wm. Ross, furniture, 591 Second ave.
- Jos. Metzger, cigars, 629 Second ave.
- Philip S. Biglin, commission, 303 E. 34th st.
- Geo. W. Nostrand, clerk, 517 Third ave.
- Thos. Corcoran, painter, 333 E. 40th st.
- Paul Ganter, paints, 638 Second ave.
- Eli F. Bruce, baker, 525 Third ave.
- Chas. J. Hochleitner, insurance, 659 Second ave.
- James F. Lynch, plumber, 340 E. 36th st.
- Thos. McGuinness, butcher, 593 First ave.
- Harry Padelford, organs, 530 Third ave.
- Robert Ellis, mouldings, 112 E. 40th st.
- Chas. Erwin, painter, 301 E. 36th st.
- Thos. F. Mullen, painter, 217 E. 37th st.
- Nathan Koehler, milk, 244 E. 39th st.
- Wm. J. Doyle, upholsterer, 221 E. 35th st.
- Robt. J. Kyle, real estate, 150 E. 40th st.
- David C. Sturtevant, newsdealer, 209 E. 40th st.
- Geo. Young, pianos, 326 E. 27th st.
- Ernest McDonald, clerk, 150 E. 39th st.
- Francis B. Nugent, pianos, 155 E. 37th st.
- Chas. S. Secor, painter, 318 Lexington ave.
- Theo. F. Secor, clerk, 318 Lexington ave.
- Martin Krudop, grocer, 492 Second ave.
- Wm. Martian, express, 148½ E. 40th st.
- Wm. Beatty, agent, 207 Lexington ave.
- Louis Herrlich, laundry, 454 Fourth ave.
- James McKennell, lumber, 398 Third ave.
- John Wettlaufer, dentist, 202 E. 33d st.
- Louis Jacobs, merchant, 310 E. 27th st.
- J. B. McMurray, stationery, 432 Fourth ave.
- Henry Reems, clerk, 469 Fourth ave.
- Theo. B. Strich, cigars, 402 Third ave.
- Henry R. Hewett, clerk, 121 Lexington ave.

*Nineteenth Assembly District.*

- William W. Green, at leisure, 10th ave. cor. 183d st.
- Chas. W. Butler, carriagemaker, 159th st., near 10th ave.

- C. H. Holland, clerk, 10th ave., east side, bet. 155th and 156th sts.
- Egbert S. Vail, stationery, 10th ave., near 157th st.
- Wm. S. Hartt, decorator, southwest cor. 158th st. and St. Nicholas ave.
- John L. Tonnele, at leisure, 152d st., near 10th ave.
- John L. Vosburgh, carpenter, 150th st. and St. Nicholas ave.
- T. Augustus Brotherson, painter, 130th st. and Broadway.
- Robert Prior, livery stables, Boulevard, bet. 126th and 127th sts.
- Samuel Davis, clerk, 67th st. and Broadway.
- George Davis, clerk, 137th st. and 7th ave.
- Francis F. Reynolds, watchman, Boulevard and 106th st.
- Robert S. Heilferty, clerk, 100th st., bet. 9th and 10th aves.
- Patrick Martin, carpenter, 101st st., bet. 9th and 10th aves.
- Charles Williams, ropemaker, 99th st. and 10th ave.
- Jas. Dick, clerk, Broadway, bet. 9th and 10th aves.
- Alex. Martin, hair dresser, 82d st. and North river.
- Wm. C. Wunnenberg, carpenter, 81st st., bet. 11th and 12th aves.
- J. R. Clark, telegraph, 70th st. and 12th ave.
- Wm. A. Byers, clerk, 119 W. 67th st.
- Wm. H. Multer, vender, northeast cor. 10th ave. and 65th st.
- John Thompson, carpenter, 97th st. and Boulevard.
- Lewis E. Cudlipp, clerk, 10th ave., bet. 69th and 70th sts.
- John Allgeier, carpenter, 68th st., bet. 10th and 11th aves.
- Patrick H. Dunn, clerk, 553 W. 57th st.
- John J. Considine, clerk, 65th st., bet. 8th and 9th aves.
- Chas. H. Stone, jeweler, Boulevard, bet. 59th and 60th sts.
- Albert A. Conkey, collector, Finimore Flats, W. 57th st.
- George Hunter, druggist, 4 W. 60th st.
- George L. Hitchcock, clerk, 991 Eighth ave.
- John J. Scully, clerk, 67th st., bet., Boulevard and 9th ave.
- Geo. Schadt, Jr., brushes, southeast cor. 70th st. and 9th ave.

*Twentieth Assembly District.*

- P. G. Wright, clerk, 70 W. 43d st.
- Charles Wisely, conductor, 754 Sixth ave.
- Jonas M. Florsheim, clerk, 319 E. 42d st.
- J. Osborn, Jr., bookkeeper, 146 E. 44th st.
- William Meyer, stationery, 871 Third ave.
- W. E. Stebbins, bookkeeper, 139 E. 48th st.
- M. J. Graham, clerk, 209 E. 50th st.
- M. Felleman, cabinet maker, 967 Third ave.
- Jos. A. J. Drew, stairbuilder, 300 E. 41st st.
- Abram S. Day, pedler, 1168 Second ave.
- R. Kelly Owens, bookkeeper, 317 W. 29th st.
- Alfred G. Nason, builder, 214 E. 61st st.
- Wm. H. Morgan, agent, 230 E. 54th st.
- Felix Livingston, salesman, 165 E. 60th st.
- Simon Hazleton, clerk, 229 E. 40th st.
- David Graham, clerk, 251 E. 57th st.
- Daniel Lewis, physician, 207 E. 45th st.
- Denis Carraher, clerk, 824 First ave.
- F. Lloyd Jenkins, clerk, 350 E. 66th st.
- Emanuel Weil, clerk, 244 E. 58th st.
- Robert Betty, dry goods, 752 Third ave.
- Orville Lewis, clerk, 684 Third ave.
- Charles Leitz, hairdresser, 810 Third ave.
- Harry Van Pelt, collector, 417 E. 58th st.
- Gideon L. Green, clerk, 161 E. 71st st.
- N. A. Millhauser, shirtmaker, 1074 Third ave.
- M. John Burns, organist, 235 E. 51st st.
- Geo. Wilson, woodworker, 254 E. 57th st.
- William J. Burgess, grocer, 340 E. 47th st.
- Morris Kraus, butcher, 310 E. 52d st.
- John A. Smith, at leisure, 232 E. 50th st.
- Herman Kugler, hardware, 332 E. 76th st.
- C. R. Gregor, grocer, 322½ E. 50th st.
- J. L. Miller, real estate, 322½ E. 50th st.
- Chas. J. Stich, bookkeeper, 229 E. 57th st.
- William H. Long, florist, 349 E. 62d st.
- Robert Lee, Jr., bookkeeper, 979 Second ave.
- Bernard Ettinger, at leisure, 359 E. 50th st.
- C. Perley, manufacturer, 716 Lexington ave.
- R. M. Laimbeer, agent, 36 E. 49th st.
- Louis Baum, cigars, 974 Third ave.
- Reynolds Textor, agent, 299 E. 57th st.
- Joseph F. Rindge, piano, 840 Third ave.
- Maltby A. Beanville, clerk, 78 W. 46th st.
- Henry Danton, cutter, 883 Third ave.
- C. W. Richards, carpenter, 1051 Second ave.
- Geo. H. Metzger, clerk, 123 E. 61st st.
- Samuel C. Strauss, cigars, 318 E. 55th st.
- Henry P. Lugar, painter, 102 E. 58th st.
- Oscar C. Knauer, plasterer, 1052 First ave.
- Wm. L. Peck, merchant, 714 Lexington ave.
- Jas. B. Smith, coal, 206 E. 57th st.
- Abraham May, real estate, 965 Second ave.
- Joseph Southworth, iron founder, 714 Madison ave.
- Wm. J. Shields, druggist, 200 E. 58th st.
- H. P. Hagar, watchmaker, 1059 Second ave.
- Wm. K. Lancaster, broker, 1038 Third ave.
- Ferdinand Brandies, music, 439 E. 52d st.
- W. H. Richards, broker, 1051 Second ave.
- Thomas Illwitzer, shoes, 1129 Second ave.
- William Harvey, ivory polisher, 825 Lexington ave.
- J. Wynne Jones, commission, 126 E. 60th st.



32. John A. Gutfleisch, bookkeeper, northeast cor. 69th st. and 1st ave.  
Geo. Dawson, silk weaver, 1124 Third ave.
33. Michael V. Power, painter, 222 E. 57th st.  
Geo. Kiefer, conductor, 1144 Second ave.
34. John M. Philbin, notary, 937 Third ave.  
Thos. A. Robbins, clerk, 10 Sutton pl.
35. William Adams, clerk, 408 E. 58th st.  
Jas. C. Magee, chairmaker, 1149 Second ave.
36. Daniel Schwarzkopf, salesman, 826 Lexington ave.  
C. J. Frechette, salesman, 1093 Second ave.
37. Henry D. Johnson, clerk, 125 E. 65th st.  
Charles Whitlock, Jr., lawyer, 433 Lexington ave.
38. Wm. J. Irwin, conductor, 227 E. 51st st.  
Isaac Nachman, cigars, 1114 Second ave.
39. Augustus L. Wood, real estate, 840 Sixth ave.  
Wm. G. Spencer, bookkeeper, 118 E. 54th st.
40. Cornelius Egan, stonemason, 303 E. 59th st.  
Wm. H. Watson, stationer, 945 Third ave.
41. Wilson M. Dutcher, clerk, 896 Third ave.  
Wm. J. McLaughlin, pianos, 164 E. 56th st.
42. A. S. Pell, clerk, 447 E. 58th st.  
Joseph Joseph, cigars, 1062 Third ave.
43. Edmund L. Boniface, fish, 903 Third ave.  
Oliver O. Branch, liquors, 425 E. 58th st.

#### Twenty-first Assembly District.

1. Frank S. Martin, lawyer, 123 E. 70th st.  
William H. Mills, clerk, 107 E. 71st st.
2. Charles Henshall, painter, 403 E. 71st st.  
Geo. R. McGregor, painter, 1478 First ave.
3. Peter McFadden, at leisure, 124 E. 78th st.  
Max Bacharach, watchman, 231 E. 79th st.
4. Duncan S. Campbell, carriages, 337 E. 82d st.  
J. H. Vantassell, machinist, 2058 Third ave.
5. Richard Charlton, painter, 306 E. 82d st.  
W. G. DeLamater, carpenter, 207 E. 84th st.
6. Alonzo Mason, painter, 1639 First ave.  
Wm. H. Mason, broker, 327 E. 82d st.
7. John K. Boniface, fish, 1420 Third ave.  
August Mayer, lawyer, 101 E. 78th st.
8. W. W. Simpson, plumber, 211 E. 81st st.  
Simon D. Mayer, clerk, 116 E. 87th st.
9. John M. Blood, carpenter, 1260 Third ave.  
Andrew Powell, manufacturer, 70 E. 86th st.
10. Edmund J. Tichnor, pianos, 315 E. 82d st.  
William Baldwin, agent, 243 E. 82d st.
11. John M. Reed, lawyer, 118 E. 85th st.  
Henry Beeckman, broker, 117 E. 78th st.
12. Wm. H. Conger, carriages, 157 E. 85th st.  
Herman W. Thum, clerk, 1609 Second ave.
13. Thos. J. Marshall, jeweler, 223 E. 87th st.  
Chas. Brickwedel, grocer, 1553 Third ave.
14. Lambert S. Quackenbush, lawyer, 243 E. 86th st.  
Jos. A. Cartier, conductor, 1688 Third ave.
15. Wm. Hallett, insurance, 211 E. 82d st.  
Geo. H. Hallett, insurance, 112 E. 87th st.
16. John H. Bodly, carpenter, 147 E. 93d st.  
John Ginty, agent, 208 E. 93d st.
17. V. R. Roby, at leisure, 159 E. 92d st.  
Hamilton Bridge, bookkeeper, 174 E. 82d st.
18. Charles Wines, carpenter, 315 E. 112th st.  
Cornelius V. Bowles, painter, 1517 Third ave.
19. Frederick W. Gooderson, caulker, 244 E. 119th st.  
Benj. S. Tyndale, painter, 210 E. 81st st.
20. Abraham C. Quackenbush, insurance, Third ave., bet. 90th and 91st sts.  
Zach. T. Benson, druggist, 156 E. 127th st.
21. Chas. W. Johnson, cashier, 322 E. 118th st.  
Montgomery Kellogg, clerk, Sixth ave. and 129th st.
22. Benj. H. Munson, clerk, 2196 Second ave.  
Eugene F. Brundage, commission, 219 E. 112th st.
23. Benj. Browne, real estate, 211 E. 120th st.  
James E. Hadden, brass finisher, 102 E. 119th st.
24. John Mulligan, bookkeeper, 154 E. 119th st.  
Frank Reynolds, clerk, 247 E. 119th st.
25. Chas. Rohde, clerk, 159 E. 114th st.  
Henry F. Wines, salesman, 315 E. 112th st.
26. John G. Stevens, agent, 532 E. 117th st.  
W. H. Stacey, oil renderer, 539 E. 119th st.
27. Chas. A. Ray, furnishing goods, 2168 Third ave.  
Alfred L. Ryer, druggist, 2162 Third ave.
28. Geo. P. Barrett, real estate, 516 E. 120th st.  
Wm. H. Salter, lawyer, 1652 Second ave.
29. L. P. Whitaker, clerk, 404 E. 120th st.  
Frank P. Crasto, real estate, 64 E. 128th st.
30. C. W. Peasley, insurance, 427 E. 117th st.  
Chas. A. Shorey, salesman, 112 E. 124th st.
31. Benj. Page, real estate, 2432 Second ave.  
W. J. Mollan, clerk, 373 E. 123d st.

The Board of Police met on the 26th day of August, 1878.  
Present—Messrs. Smith, Erhardt, and Nichols, Commissioners.

#### Leave of Absence Granted.

Patrolman John J. Dunn, Detective Squad, five days, without pay.

#### Applications for Leave of Absence Denied.

Patrolman William Muldoon, First Precinct, seven days.  
“ Harvey Miller, Twenty-ninth Precinct, five days.  
The Committee on Rules and Discipline reported the following leaves of absence granted under Rule 564—approved:  
Aug. 19. Patrolman Miles Keon, Twenty-fourth Precinct, three days.  
21. “ James Brennan, Sixteenth Precinct, three days.  
23. “ Andrew Kelly, Eleventh Precinct, two days.  
26. Captain Joseph B. Eakins, Fifth Precinct, three days.  
Patrolman John Hanrahan, Twentieth Precinct, two and a half days.

#### Parades Approved.

Bavarian Volksfest, August 26. Parade.  
Employees of Mrs. Soldwedde, August 22. Picnic.  
J. L. Riker Post, G. A. R., August 25. Funeral.

32. Daniel M. Wood, agent, Avenue A, between 117th and 118th sts.  
Alex. S. Merritt, express, Avenue A, between 121st and 122d sts.
33. John F. Farley, clerk, 2432 Second ave.  
S. M. Gardiner, accountant, 328 E. 119th st.
34. John E. Van De Carr, coal, 140 E. 119th st.  
Wm. Groshon, conductor, 243 E. 122d st.
35. Sturges Dewey, express, 215 E. 120th st.  
Frederick Reed, real estate, 2105 Fifth ave.
36. John R. Farrington, notary, 23 W. 127th st.  
Wm. H. Draper, merchant, 2367 Third ave.
37. Lesko C. Pontez, commission, 263 E. 123d st.  
Wm. Banham, clerk, 156 E. 129th st.
38. Scovill D. Foot, commission, 201 E. 83d st.  
Wm. Dickinson, at leisure, 134 E. 74th st.
39. F. B. Ball, painter, 1513 Third ave.  
Jas. F. Thomson, real estate, 1475 Third ave.
40. Frank S. LeCompte, lawyer, 120 E. 114th st.  
John R. Miller, coal, 140 E. 119th st.
41. Jas. M. Goodenough, flour, 110 E. 124th st.  
Sam'l Scott, clerk, 75 E. 124th st.
42. Jesse C. Heckle, bookkeeper, 158 E. 129th st.  
T. P. Anderson, insurance, 336 E. 131st st.
43. Chas. H. Hance, collector, 320 E. 79th st.  
W. A. Eagleson, clerk, 105 E. 78th st.

#### Twenty-third Ward.

1. Sidney J. Everett, paper boxes, Prospect ave., 3d house south of Wall st.  
Franklin C. Van Orden, salesman, 135th st., 8th house east of Willis ave.
2. Ferrie Henshaw, bookkeeper, 145th st., near Third ave.  
Caspar Hartmayer, painter, 150th st., near Brook ave.
3. Julian A. Tinker, tinsmith, 5 E. 143d st., bet. Third and College aves.  
James Tier, butcher, 139th st., 3d house east of Willis ave.
4. Smith Williamson, lawyer, Third ave. and 144th st.  
George Walkley, laborer, northwest corner Courtland ave. and 151st st.
5. John C. Grant, painter, 155th st., bet. Courtland and Morris aves.  
Theodore Weber, carpenter, 155th st., near Courtland ave.
6. George J. Hoffman, musician, Third ave. and 151st st.  
John H. Metzler, carpenter, Third ave., bet. 142d and 143d sts.
7. Franklin Rich, patternmaker, Third ave., near 156th st.  
James Pollock, dry goods, 142d st. and Third ave.
8. Masklin C. Baker, mechanical engineer, Union ave., near 165th st.  
William S. Stryker, bookkeeper, Courtland ave. and Teller pl.
9. Thomas D. Wiberley, fringemaker, east side Courtland ave., bet. 162d and 163d sts.  
Stewart H. Morris, clerk, Spring pl. and Franklin ave.
10. Sidwell S. Randall, at leisure, Franklin ave., near 160th st.  
Thomas Greener, architect, Franklin ave., bet. 169th and 170th sts.
11. W. H. Hayden, grocer, 167th st., near Third ave.  
Alfred Dickson, printer, Railroad ave., near 169th st.
12. George Wentzel, carpenter, Devoe st., near Ogden ave.  
Fredrick A. Muller, teacher, 157th st., bet. Courtland and Elton aves.
13. Menthem Lowenstein, real estate, 142d st., near Alexander ave.  
Columbus Sanguinetti, real estate, Courtland ave., bet. 151st and 152d sts.

#### Twenty-fourth Ward.

1. John W. Bolton, manufacturer, Main st., West Farms.  
Eugene A. Ward, morocco finisher, Main st., near Prospect ave.
2. Samuel B. Pierce, mason, Division st., near Boston road.  
James Sloane, Jr., weaver, Bronx st., cor. Samuel.
3. Samuel Carpenter, carpenter, Tremont.  
S. H. Coykendall, clerk, Valentine ave., Tremont.
4. Charles W. Tarbox, stationer, Tremont.  
F. E. Smith, bookkeeper, Fordham.
5. Andrew J. Cole, wheelwright, Fordham.  
Wm. H. Briggs, farmer, Fordham.
6. B. H. Sealey, broker, Kingsbridge.  
Jos. C. Richardson, machinist, Kingsbridge.
7. Isaac L. Varian, carpenter, Kingsbridge.  
Benj. Van Tassell, farmer, Kingsbridge.

Ancient Order Hibernians, No. 26, August 25. Funeral.  
Father Matthew T. A. B. Society, No. 1, August 23. Funeral.  
Fifth Ward German Guard, August 26. Target excursion.  
Reports from the First and Thirteenth Precincts, relative to officers absent from the city on duty, were ordered on file.  
Report of Captain Byrnes, Fifteenth Precinct, relative to the detention of a prisoner, was ordered on file.  
Report of the Superintendent, relative to the enforcement of the Excise Law on Sunday, 25th inst., was ordered on file.

#### Deaths Reported.

Patrolman Thomas Powers, First Precinct, at 8:40 P. M., 22d inst.  
“ Owen Slowey, Fourth Precinct, at 8 A. M., 26th inst.  
The following applications for promotion were referred to the Superintendent to cite for examination:  
Roundsman John Delaney, Fourth Precinct.  
“ John McCarthy, Fourth Precinct.  
An application of Patrolman John H. Smith, Special Service Squad, to be retired on pension, was referred to the Board of Surgeons for examination and report.  
Communication from C. Pullman, making complaint against Captain Williams and Patrolmen of Twenty-ninth Precinct, was referred to the Superintendent for investigation and report.  
On reading communication from the American Institute, it was  
Resolved, That the Superintendent be directed to detail one Sergeant, one Roundsman, and sufficient Patrolmen from old men unfit for patrol duty, under the command of the Captain of the Twenty-eighth Precinct, for duty at the Annual Fair of the American Institute, commencing September 2, 1878.  
Resolved, That Patrolman Frank Lober, Thirty-second Precinct, be granted permission to employ counsel in the trial of charges against him.  
Resolved, That the Superintendent be authorized to grant leave of absence for three days, without pay, to two officers, for special duty.  
Resolved, That James H. Gilhooley be and he is hereby appointed Patrolman (subject to re-examination by the Surgeons) and assigned to the Fourteenth Precinct for duty.  
Resolved, That the following transfers and details be and are hereby ordered:  
Sergeant John R. Groo, from Ninth Precinct to Twenty-fifth Precinct.  
“ William W. Sullivan, from Twenty-third Precinct to Ninth Precinct.  
“ Charles E. Buddington, from Seventeenth Precinct to Twenty-third Precinct.  
“ Matthew Tuck, from Nineteenth Precinct to Twenty-second Precinct.  
Patrolman John G. Burke, from Fourteenth Precinct to Mounted Squad.  
“ Michael Heffernan, from Nineteenth Sub-Precinct to Eleventh Precinct.  
“ Bernard Dunn, from Twenty-third Precinct to Nineteenth Sub-Precinct.  
“ Maurice Fitzgerald, from Ninth Precinct to Twentieth Precinct.  
“ William Cruise, from Twenty-third Precinct to Detective Squad for clerical duty.

#### Judgment—Fine Imposed.

Patrolman Edward J. Keeley, Seventeenth Precinct, two days' pay.

#### Street Cleaning.

Report of R. J. Wiley, Superintendent of Stables, relative to bay horse unfit for use, was referred to the Chief Clerk to advertise said horse for sale at public auction, and the Committee on Repairs and Supplies authorized to purchase a horse to replace the one sold.  
On recommendation of the Committee on Street Cleaning, it was  
Resolved, That the following bills be and are hereby ordered to be paid by the Treasurer—all voting aye:  
Allen Bros., use of scows..... \$128 00  
Owen Cosgrove, labor..... 12 80  
William Dale, horse feed..... 137 84  
W. H. Gautier & Co., towing, etc., scows..... 255 00  
M. Goodwin, use of scows..... 175 00  
J. F. Leahey, feed bags..... \$60 00  
Murphy & Nesbitt, cement and lime..... 20 00  
William Turner, ice..... 15 95  
\$804 59

On motion, the Inspector of Street Cleaning was authorized to hire from Daniel Dailey two self-dumping scows.  
Adjourned.

S. C. HAWLEY, Chief Clerk.

#### APPROVED PAPERS.

Resolved, That permission be and the same is hereby given to Joseph Bastgen to place a bridge over the gutter in front of his premises No. 201 Grand street, the work to be done at his own expense, such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, July 16, 1878.

Received from his Honor the Mayor, August 6, 1878, with his objections thereto.

In Board of Aldermen, August 20, 1878, taken up and considered, as provided in section 13, chapter 335, Laws of 1873, and adopted, notwithstanding the objections of his Honor the Mayor, three-fourths of all the members elected voting in favor thereof.

Resolved, That a receiving-basin and culvert be built on the northwest and southwest corners of Broadway and Thirty-fourth street, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, August 6, 1878.

Received from his Honor the Mayor, August 20, 1878, without his approval or objections thereto; therefore, as provided in section 11, chapter 335, Laws of 1873, the same became adopted.

Resolved, That Croton water-mains be laid in Hoffman street, from the Kingsbridge road to Pelham avenue, as provided in chapter 477, Laws of 1875.

Adopted by the Board of Aldermen, August 6, 1878.

Approved by the Mayor, August 20, 1878.

Resolved, That Croton water mains be laid in Fulton avenue, from Spring place north to One Hundred and Seventieth street, as provided in section 2, chapter 477, Laws of 1875.

Adopted by the Board of Aldermen, August 6, 1878.

Approved by the Mayor, August 20, 1878.

Resolved, That One Hundredth street, from a point distant 66 feet westerly from the Tenth avenue on the northerly side, and from a point 68 feet westerly from the Tenth avenue on the southerly side, being the easterly line of the Boulevard, be regulated and graded, the curb and gutter stones set, and sidewalks flagged a space four feet wide through the centre thereof, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, August 6, 1878.

Approved by the Mayor, August 20, 1878.

Resolved, That the north side of Fifty-ninth street, between Madison and Fifth (5th) avenues, be flagged full width, where not already done, under the direction of the Commissioner of Public Works; and that the accompanying ordinance therefor be adopted.

Adopted by the Board of Aldermen, August 6, 1878.

Approved by the Mayor, August 20, 1878.

Resolved, That permission be and the same is hereby given to John Hamilton to retain sign in front of his premises, 428 West Seventeenth street; the same to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, August 6, 1878.

Received from his Honor the Mayor, August 21, 1878, without his approval or objections thereto; therefore, as provided in section 11, chapter 335, Laws of 1873, the same became adopted.

Resolved, That boulevard lamps be substituted for the ordinary street-lamps in front of the M. E. Church in Seventh street, between Second and Third avenues, under the direction of the Commissioner of Public Works.

Adopted by the Board of Aldermen, August 6, 1878.

Approved by the Mayor, August 20, 1878.







DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, August 24, 1878.

### PROPOSALS FOR DRY GOODS AND GROCERIES.

PROPOSALS, SEALED AND INDORSED AS above, will be received by the Commissioners of Public Charities and Correction, at their office, until 9 o'clock A. M., of Friday, September 6, 1878, at which time they will be publicly opened and read by the head of said Department, for furnishing and delivering at the foot of East Twenty-sixth street, free of all expense to the Department—

DRY GOODS.  
10,000 yards Ticking.  
5 bales Russia Crash.  
10 pieces No. 10, 24-in. Cotton Duck.  
100 dozen No. 30, Spool Cotton.  
50 pounds No. 20, Skein Cotton.  
100 pounds dark blue Linen Thread, "Barbour's Standard," No. 40, 16 oz. to the pound.

GROCERIES.  
10,000 pounds Pearl Barley.  
5,000 gallons Molasses; hhd's to be returned.  
400 bushels Rye.  
25 barrels Wheaten Groits.  
100 pounds Baking Powder.  
300 quintals Codfish, George's Bank best quality; to be delivered in quantities as required.

The quality of the goods furnished must conform in every respect to the samples of the above to be seen at this office.  
The award of the contract will be made as soon as practicable after the opening of the bids.  
No proposal will be considered unless accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that, if the contract be awarded under that proposal, they will, on its being so awarded, become bound as sureties in the estimated amount of fifty per cent. for its faithful performance, which consent must be verified by the justification of each of the persons signing the same for double the amount of surety required. The sufficiency of such security to be approved by the Comptroller.

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

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

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

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, August 24, 1878.

### PROPOSALS FOR 3,000 BARRELS OF FLOUR.

PROPOSALS, SEALED AND INDORSED AS above, will be received by the Commissioners of Public Charities and Correction, at their office, until 9 o'clock A. M., of Friday, September 6, 1878, at which time they will be publicly opened and read by the head of said Department, for furnishing and delivering at the Bake-house, Blackwell's Island, free of all expense to the Department—

3,000 barrels of good extra Wheat Flour, to be equal in quality to samples to be seen at this office (empty barrels to be returned and deducted in proposals from the price of flour), to be delivered in quantities as required, free of all expense to the Department.

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

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

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

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

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, August 23, 1878.

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

At Charity Hospital, Blackwell's Island—Joseph Breckwell; aged 37 years; 5 feet 5 inches high; gray hair; blue eyes. Had on when admitted, gray duster, dark pants, gray shirt, felt hat. Nothing known of his friends or relatives.

At N. Y. City Asylum for Insane, Ward's Island—Despar Walsh; aged 50 years; 6 feet high; gray eyes and hair. Nothing known of his friends or relatives.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, August 22, 1878.

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

At Charity Hospital, Blackwell's Island—James McMullin; aged 35 years; 5 feet 9 inches high; black hair; brown eyes. Had on when admitted, black coat, vest, and pants, white shirt, black felt hat, shoes. Nothing known of his friends or relatives.

Hannah Burger; aged 44 years; 5 feet 3 inches high; black hair; brown eyes. Had on when admitted, black silk skirt, striped shawl, black straw hat, slippers. Nothing known of her friends or relatives.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

### SUPREME COURT.

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 Eighty-second street, from First 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 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 Menzo Diefendorf, Esq., our Chairman, at the office of the Commissioners, No. 262 Broadway (Room 72), in the said city, on or before the 6th day of August, 1878; and that we, the said Commissioners, will hear parties so objecting within ten week days next after the said 6th day of August, 1878, and for that purpose will be in attendance at our said office on each of said ten days, at 3 o'clock in the afternoon.

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 13th day of August, 1878.

III.—That the limits embraced by the assessment aforesaid are as follows, to wit: All those lots, pieces or parcels of land situate, lying and being in the City of New York, and bounded and described as follows: Beginning at a point on the easterly side of First avenue distant one hundred and two feet two inches from the southerly side of Eighty-second street; thence easterly and parallel with Eighty-second street to the East river; thence southerly along the said East river to a point distant one hundred and four feet two inches from the southerly side of Eighty-second street; thence westerly and parallel with Eighty-second street to the easterly side of First avenue; thence northerly along the easterly side of First avenue 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 10th day of September, 1878, 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, June 24, 1878.

MENZO DIEFENDORF,  
GEORGE H. SWORDS,  
THOMAS L. FEITNER,  
Commissioners.

### FINANCE DEPARTMENT.

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

### NOTICE TO PROPERTY-HOLDERS.

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

CONFIRMED AND ENTERED AUGUST 14, 1878.  
Elton avenue, grading, from 3d to Brook avenue.  
Boulevard, etc., sewers, from 6th street to 8th avenue, with branches.  
10th avenue, regulating, grading, etc., from 82d to 93d street.

All payments made on the above assessments on or before October 15, 1878, will be exempt (according to law) from interest. After that date interest will be charged at the rate of seven (7) per cent. from the date of entry.  
The Collector's office is open daily from 9 A. M. to 2 P. M. for the collection of money, and until 4 P. M. for general information.

EDWARD GILON,  
Collector of Assessments.

### WILLIAM KENNELLY, AUCTIONEER.

PREMISES AT THE NORTHEAST CORNER OF THIRD AVENUE AND EIGHTY-FIFTH STREET, TO BE LEASED AT AUCTION ON FRIDAY, JULY 12, 1878.

THE LEASE OF PREMISES ON THE NORTHEAST CORNER OF Eighty-fifth street and Third avenue, for the term of two years, nine months and fifteen days, from July 15, 1878, will be sold at public auction at the New County Court-house, on Friday, July 12, 1878, at 10½ o'clock A. M.

### TERMS OF SALE.

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

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

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

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

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

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

COMPTROLLER'S OFFICE,  
NEW YORK, July 8, 1878.

JOHN KELLY,  
Comptroller.

The above sale is adjourned to Friday, July 26, 1878, at 10½ o'clock A. M., at the same place.

COMPTROLLER'S OFFICE,  
NEW YORK, July 12, 1878.

The above sale is adjourned to Friday, August 2, 1878, at 11 o'clock A. M., at the same place.

COMPTROLLER'S OFFICE,  
NEW YORK, July 26, 1878.

The above sale is adjourned to Friday, August 16, 1878, at 11 o'clock A. M., at the same place.

COMPTROLLER'S OFFICE,  
NEW YORK, August 2, 1878.

The above sale is adjourned to Friday, September 20, 1878, at 11 o'clock A. M., at the same place.

COMPTROLLER'S OFFICE,  
NEW YORK, August 16, 1878.

JOHN KELLY,  
Comptroller.

DEPARTMENT OF FINANCE,  
BUREAU FOR THE COLLECTION OF ASSESSMENTS,  
No. 16 NEW COURT-HOUSE, CITY HALL PARK,  
NEW YORK, July 17, 1878.

### NOTICE TO PROPERTY-HOLDERS.

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

CONFIRMED AND ENTERED JULY 12, 1878.  
Worth street, regulating, grading, etc., between Broadway and Chatham street.  
43d street, regulating, grading, etc., between 2d and 3d avenues.

85th street, regulating, grading, etc., between Avenues A and B.  
101st street, regulating, grading, etc., between 9th avenue and Public Drive.

10th avenue, regulating, grading, etc., between 81st and 82d streets.  
103d street, paving, between Lexington and 4th avenues, and Lexington avenue, between 103d and 104th streets.  
58th street, flagging, north side, between Lexington and 4th avenues.

63d street, curb, gutter, and flagging, between 1st avenue and East river.  
Lexington avenue, crosswalks at 129th and 130th streets.

117th street.  
143d street, sewer, from 75 feet west of 3d avenue, etc.

51st street, " " 1st to 2d avenue.  
Washington street, sewer, between Fulton and Vesey streets.

59th street, basin, northeast corner of Madison avenue.  
74th street, basin, northwest corner of Avenue A.  
83d street, fencing, northeast corner of 2d avenue.

56th street, fencing, northeast corner of Madison avenue.  
57th street, fencing, south side, between 2d and 3d avenues.

72d street, regulating, etc. (Eastern Boulevard), from 5th avenue to Avenue A.

116th street, regulating, etc. (Eastern Boulevard), from Avenue A to 6th avenue.

Avenue A, regulating, etc. (Eastern Boulevard), from 57th to 86th street.

CONFIRMED JULY 2, 1878; ENTERED JULY 17, 1878.

85th street, opening, from 9th to New avenue, and from 12th avenue to the Hudson river.

All payments made on the above assessments on or before September 14, 1878, will be exempt (according to law) from interest. After that date interest will be charged at the rate of seven (7) per cent. from the date of entry.

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

EDWARD GILON,  
Collector of Assessments.

DEPARTMENT OF FINANCE,  
BUREAU FOR THE COLLECTION OF ASSESSMENTS,  
No. 16 NEW COURT-HOUSE, CITY HALL PARK,  
NEW YORK, July 20, 1878.

### NOTICE TO PROPERTY-HOLDERS.

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

CONFIRMED JULY 10, 1878; ENTERED JULY 20, 1878.  
73d street, opening, from 5th avenue to the East river.

All payments made on the above assessment on or before September 18, 1878, will be exempt (according to law) from interest. After that date interest will be charged at the rate of seven (7) per cent. from the date of entry.

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

EDWARD GILON,  
Collector of Assessments.

### 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 the 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.

COMPTROLLER'S OFFICE,  
NEW YORK, February 9, 1877.

### LEGISLATIVE DEPARTMENT.

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

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

### POLICE DEPARTMENT.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,  
300 MULBERRY STREET, NEW YORK,  
August 28, 1878.

PUBLIC NOTICE IS HEREBY GIVEN THAT one horse, the property of this Department, will be sold at public auction, on Tuesday, September 10, 1878, at 10 o'clock A. M., at the stables of Van Tassel & Kearney, No. 110 East Thirteenth street.

By order of the Board.

S. C. HAWLEY,  
Chief Clerk.

POLICE DEPARTMENT OF THE CITY OF NEW YORK,  
300 MULBERRY STREET, NEW YORK,  
August 22, 1878.

PUBLIC NOTICE IS HEREBY GIVEN THAT three horses, the property of this Department, will be sold at public auction, on Tuesday, September 3, 1878, at 10 o'clock A. M., at the stables of Van Tassel & Kearney, No. 110 East Thirteenth street.

By order of the Board.

S. C. HAWLEY,  
Chief Clerk.

CENTRAL DEPARTMENT OF THE MUNICIPAL POLICE,  
PROPERTY CLERK'S OFFICE,  
No. 300 MULBERRY STREET,  
NEW YORK, July 30, 1878.

OWNERS WANTED BY THE PROPERTY Clerk, of the Police Department, City of New York, 300 Mulberry street, Room 39, for the following property now in his custody without claimants: gold and silver watches, boots, rope, male and female clothing, camel hair shawl, silk circular, muff, revolvers, wagons, furniture, trunk and contents, bags and contents, seal sacque, and small amount of money taken from prisoners and found on street.

C. A. ST. JOHN,  
Property Clerk.

### CORPORATION NOTICE.

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

No. 1—Fencing vacant lots north side of Seventy-fifth street, between Second and Third avenues, " " " \$104 55

No. 2—Regulating, grading, curb, gutter, and flagging, north side Twenty-second street, between Avenue A and the East river " " " 614 78

No. 3—Regulating, grading, curb, gutter, and flagging, Eighty-first street, between Ninth and Tenth avenues " " " 4,717 11

WM. H. JASPER,  
Secretary.

OFFICE BOARD OF ASSESSORS,  
No. 114 WHITE STREET,  
NEW YORK, August 14, 1878.

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

No. 1. Receiving-basin on the northwest corner of Fourth street and Sixth avenue.

No. 2. Regulating and grading, setting curb and gutter stones and flagging, Seventieth street, from Third avenue to the East river.

No. 3. Curb, gutter and flagging, Fourth avenue, from Seventy-first to Seventy-ninth street.

No. 4. Flagging north side of Twenty-second street, between First avenue and Avenue A.

No. 5. Paving One Hundred and Fourteenth street, from Second to Fourth avenue, with Belgian pavement.

No. 6. Sewer in Nine-ninth street, between Boulevard and Tenth avenue.

No. 7. Sewer in Twelfth avenue, between One Hundred and Thirtieth and One Hundred and Thirty-first streets, and in One Hundred and Thirty-first street, between Twelfth avenue and Boulevard.

No. 8. Receiving-basins on the northwest corner of One Hundred and Tenth street and Madison avenue, and on the northwest corner of One Hundred and Sixteenth street and Lexington avenue.

No. 9. Flagging sidewalks in Fifty-fifth street, between Madison and Fourth avenues, and fencing the vacant lots thereon.

No. 10. Fencing vacant lots on the south side of Eighty-third street, and on 17th side of Eighty-second street, and on the east side of Fifth avenue, between Eighty-second and Eighty-third streets.

No. 11. Laying crosswalks across Lexington avenue, on the north and south side of Eighty-fourth street.

No. 12. Laying crosswalks across Fourth avenue, at the intersections of One Hundred and Tenth, One Hundred and Eleventh, One Hundred and Twelfth and One Hundred and Thirteenth streets.

No. 13. Fencing vacant lots on the north side of Seventy-eighth street, south side of Seventy-ninth street and east side of Madison avenue, between Seventy-eighth and Seventy-ninth streets.

No. 14. Receiving-basins on the northeast and southeast corners of Sixty-fifth street and First avenue.

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

No. 1. North side of Fourth street, between Sixth avenue and Barrow street.

No. 2. Both sides of Seventeenth street, between Third avenue and the East river.

No. 3. Both sides of Fourth avenue, between Seventy-first and Seventy-ninth streets.

No. 4. North side Twenty-second street, between First avenue and Ave. A.

No. 5. Both sides of One Hundred and Fourteenth street, between Second and 4th avenues, and to the extent of half the block at the intersecting avenues.

No. 6. Both sides of Twenty-ninth street, between Boulevard and Tenth avenue.

No. 7. Both sides One Hundred and Thirty-first street, between Boulevard and Twelfth avenue, and east side of Twelfth avenue between One Hundred and Thirtieth and One Hundred and Thirty-first streets.

No. 8. Block bounded by One Hundred and Tenth and One Hundred and Eleventh streets, Madison and Fifth avenues, and in side of One Hundred and Sixteenth street, between Lexington and Fourth avenues.

No. 9. Both sides Fifty-fifth street, between Madison and Fourth avenues.

No. 10. North side Eighty-second street, south side of Eighty-third street between Madison and Fifth avenues, and east side Fifth avenue, between Eighty-second and Eighty-third streets.

No. 11. To the east half the block on each side of Eighty-fourth street Lexington avenue.

No. 12. To the east half the block on each side of the intersections of One Hundred and Tenth, One Hundred and Eleventh, One Hundred and Twelfth, and One Hundred and Thirteenth streets, and Fourth avenue.

No. 13. North side Seventy-eighth street, south side of Seventy-ninth street between Fourth and Madison avenues, and east of Madison avenue, between Seventy-eighth and Seventy-ninth streets.

No. 14. East side First avenue, between Sixtieth and Sixty-second streets.

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

The above descriptions will be transmitted as provided by law to the Board of Revision and Correction of Assessments for confirmation, on the 8th day of September ensuing.

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

OFFICE BOARD OF ASSESSORS,  
No. 114 WHITE STREET (CORNER CENTRE),  
NEW YORK, August 8, 1878.

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

No. 1. Assessment for damages caused by the closing of Blooming road, together with the list of awards to property owners along the line of said road.

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

Fifty-ninth and One Hundred and Fifty-ninth streets, Eighth avenue and East river.

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