

# THE CITY RECORD.

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### ANNUAL REPORT OF THE DEPARTMENT OF DOCKS.

[From proceedings of the Board of Aldermen, December 10, 1878.]

CITY OF NEW YORK—DEPARTMENT OF DOCKS,  
Nos. 117 AND 119 DUANE STREET,  
NEW YORK, December 9, 1878.

Hon. SMITH ELY, Jr., Mayor, City of New York:

SIR—In compliance with the requirements of subdivision 9 of section 6, chapter 574 of the Laws of 1871, and of sections 88 and 119 of chapter 335 of the Laws of 1873, and by direction of the Board governing the Department of Docks, I have the honor to transmit herewith the report of the Department for the year ending April 30, 1878, being its Eighth Annual Report.

The Commissioners trust that the very exhaustive and complete showing of the affairs of the Department presented by the report may fully compensate for the lateness of its publication.

I am also directed to respectfully ask the attention of your Honor to the rent-roll accompanying the report, being a schedule of all leases and permits to use corporation wharf property, in force or granted on May 1, 1878, showing to whom, for what term, at what rent, and by what authority such leases and permits have been made.

It is believed that this is the first instance of such a rent-roll being laid before the corporation and taxpayers of the city.

Respectfully, your obedient servant,  
EUGENE T. LYNCH, Secretary.

### EIGHTH ANNUAL REPORT OF THE DEPARTMENT OF DOCKS FOR THE YEAR ENDING APRIL 30, 1878.

DEPARTMENT OF DOCKS,  
Nos. 117 AND 119 DUANE STREET,  
NEW YORK, November 23, 1878.

To the Honorable SMITH ELY, JR., Mayor of the City of New York:

SIR—Pursuant to the provisions of subdivision 9, of section 6, of chapter 574, Laws of 1871, the Board of Commissioners governing the Department of Docks submits this report of its transactions from the 1st day of May, 1877, to the 30th day of April, 1878, being its Eighth Annual Report.

The following-named Commissioners compose the present Board: Jacob A. Westervelt, Henry F. Dimock, and Jacob Vanderpoel.

The law provides that the report shall contain:

First—The name, occupation, and compensation of all persons appointed and employed by said Board.

Second—A statement of the action of the Board for the past year, classified with reference to the various subjects and duties which have engaged the attention of the Board.

Third—A list of the orders and rules made by said Board, and a description of the contracts made by said Board; the payments made by said Board, and the purposes and amounts thereof; and the leases made by said Board, for what term, at what rent, to whom, and for what property.

#### FIRST.

The following is a list of all persons appointed and employed by the Board, showing the name, occupation, and compensation of each, respectively:

Eugene T. Lynch, Secretary	\$3,500 00 per annum.
William W. Burnham, Bookkeeper	3,000 00 "
William M. Whitney, Chief Clerk	2,500 00 "
John M. Smith, Superintendent of Docks	1,500 00 "
James Fitzpatrick, "	1,500 00 "
William McConkey, "	1,500 00 "
John Butler, "	1,500 00 "
Joseph T. Kelly, Assistant Bookkeeper	1,800 00 "
Edward Dickel, Temporary Clerk	125 00 per month.
Amzi Cook, Inspector	3 00 per day.
Thomas Early, Messenger	1,000 00 per annum.
George S. Hunt, "	10 00 per week.
Eugene Conkling, Office Messenger	10 00 "
Hugh Fitzpatrick, Night Watchman	2 25 per day.

#### OFFICE OF ENGINEER-IN-CHIEF.

George S. Greene, Jr., Engineer-in-Chief	\$6,000 00 per annum.
Willard A. Nichols, First Assistant Engineer	3,600 00 "
William W. MacLay, Assistant Engineer	2,500 00 "
Charlton B. Kid, "	2,500 00 "
Thomas Murphy, Superintendent of Masonry Construction	2,250 00 "
James Guthrie, Superintendent of Construction	2,500 00 "
Patrick White, Foreman Dockbuilder	1,500 00 "
David T. Keiller, Draughtsman	1,800 00 "
Thomas J. Long, "	100 00 per month.
Moses S. Barrett, Surveyor	1,500 00 per annum.
John H. Staats, Transitman	1,000 00 "
Charles W. Raymond, Leveler	75 00 per month.
Robert M. Kid, Assistant Draughtsman	3 00 per day.
William Livingstone, "	3 00 "
John K. Murphy, Copyist	2 00 "
Frederick Lange, Messenger	12 00 per week.
James O'Brien, Roundsman	100 00 per month.

The following-mentioned discharges, resignations, and new appointments have taken place during the year:

June 15, 1877.—William M. Purdy, Temporary Clerk, was discharged.  
June 28, 1877.—Herman Winter, Engineer of Floating Property, resigned, to take effect from June 30, 1877.  
July 11, 1877.—Otho H. Klemm, Clerk to Auditing Committee, was discharged, to take effect from July 31, 1877.  
October 24, 1877.—Edward Dickel was appointed Temporary Clerk, at a salary of \$125 per month.

#### SECOND.

The Board submitted the following statement of the subjects and duties which have engaged its attention during the year ending April 30, 1878:

##### I.—ORGANIZATION.

May 2, 1877.—An annual election for officers of the Board to serve for the ensuing year was held in compliance with the by-laws, when Commissioner Wales was elected President *pro tempore*, and

Commissioner Westervelt was reauthorized to act as Treasurer *pro tempore*, until a Treasurer should be elected.

May 9th, 1877.—Jacob Vanderpoel, appointed by his Honor the Mayor, on the 3d instant, and confirmed by the Board of Aldermen a Commissioner of Docks for the term of six years, from May 1, 1877, to fill the vacancy caused in the Board by the expiration of the term of Salem H. Wales, presented his certificate of appointment, stated that he had taken the oath of office, and was prepared to assume the duties of a Commissioner of Docks, and was admitted to a seat in the Board.

July 11, 1877.—In compliance with the by-laws, an annual election of officers of the Board was held, when Commissioner Westervelt was elected President of the Board, and Commissioner Vanderpoel was elected Treasurer of the Department, for the year ending April 30, 1878.

The following Standing Committees were then appointed by the President, for the year:

Executive Committee—Commissioners Dimock and Vanderpoel.

Auditing Committee—Commissioners Vanderpoel and Dimock.

July 18, 1877.—The by-laws were amended, in the wording of section 3, article 5, making the bond to be given by the treasurer to be for the sum of not less than five thousand dollars.

##### II.—GENERAL DUTIES.

During the past year the Department has been occupied with a very large amount of general business.

The duties of this commission are constantly increasing in volume and importance, and comprise, in general, the following, among others:

The management, as property, of the many miles of water front and piers owned by the city, an estate worth many millions of dollars.

The general supervision over all the water front and piers not owned by the city, being more than half of the whole water front.

The duty of seeing that the whole water property, both public and private, is properly dredged and kept in suitable condition and repair for general use.

The making of rules and regulations as to the use of all the water front and the setting of it aside for special uses.

The duty of passing upon all erections structures, and superstructures, and upon all proposed modifications or increase of every kind of terminal facility.

The duty of carrying out the rebuilding on the new plan of the whole water front property.

Many of these duties are purely legislative, and were retained by the State Legislature until devolved upon this Board as a legislative body.

##### III.—OPERATIONS ON THE WATER FRONT.

New Piers Built.—Pier, old 43, upon examination, proved to be in very good condition, and it has been lengthened 161 feet, and is now Pier 35 in the new plan.

Pier, old 45, has been converted into Pier, new 37, similarly, by being extended 140 feet.

Pier, old 46, has been entirely removed, and Pier, new 38, has been built on its site. This pier is 587 feet long and 75 feet wide, and was built by contract. This pier has been leased for \$30,000 per annum.

Pier, new 39, has been completed in the last year. This pier is 582 feet long and 75 feet wide, and was built by contract. It has been leased for \$30,000 per annum.

A small wooden crib pier at the foot of Fifty-fourth street, East river, has also been built by contract. It is 60 feet wide and 36 feet long.

Bulkhead Wall.—During the year the Department has been completing the wall in the section between Canal and West Eleventh streets.

This section is now nearly completed.

The Department has also commenced building the wall between Warren and Canal streets.

We have entered on the construction of 560 feet from Warren street northerly—the territory leased to the Erie Railroad. On the completion of this territory, and the building of two piers, the roads have entered into contract to pay a yearly rental of \$95,000 for its use.

The amount of wall constructed during the year is equivalent to about 746 feet of completed wall.

The Department has been building the wall, which was fully described in our last annual report, with good results, and we still believe that its average cost will not be materially in excess of \$200 per lineal foot.

The section between Canal and West Eleventh streets, now nearly completed, affords room for nearly all the foreign lines of steamers running to this port.

With a street 250 feet wide, ample facilities for connecting by tracks the railroads and the piers exist.

When it is considered that a very large percentage of the transfers from rail to steamers in this port takes place in that trade which this section accommodates, it will be seen that this city has already gone far towards solving the question of cheap terminal facilities for the transfer of merchandise.

The importance, in this view, of the improvements already made is vastly out of proportion to the mere extent of territory so improved.

Tracks have already been laid to the pier of the White Star Line, and arrangements are being made to connect all the piers in this district with rail communication.

Repairs.—The Department has made a great number of repairs to the piers and bulkheads owned by the city during the year, the detailed accounts of which will be found in the Engineer's Report.

Floating Property.—During the past year the Department has done most of its dredging by contract, and has accordingly laid up its dredging plant.

We have sold some of this, as the opportunity has offered. Full information will be found in the accompanying Report of the Engineer. The remaining floating property is in good condition.

Dredging.—The Department has dredged 221,993 cubic yards of mud, and 10,426 cubic yards of crib work during the year.

Surveys.—A great number of valuable surveys and maps have been made during the year.

Some idea of the amount of work of this kind can be formed when it is stated that careful surveys for the purpose of preparing maps have been made on about 14,000 feet of the water front at various points on the North, East, and Harlem rivers.

Soundings in 200 slips have also been made.

The details of the work accomplished will be found in the accompanying Report of the Engineer-in-Chief.

##### IV.—REVENUES, EXPENSES, ETC.

The expenses of the Department during the past year are for construction, \$455,159.88, and for general expenses, \$31,774.81, making a total of \$486,934.69.

The construction expenses include the building of the new piers and bulkhead wall; the maintenance and repair of the old piers and bulkheads; dredging, and the salaries of the Commissioners and Engineer force.

The revenues of the Department, which have accrued entirely during the past year, have amounted to \$710,680.06.

The revenues have thus exceeded the entire expenditures by \$223,745.37.

Thus this Department, instead of increasing the public debt, as many even now suppose, is materially reducing it year by year.

It should not be lost sight of that nearly all the expenditures are for the building of a new system of piers and bulkhead, and for the development of the property.

The return in the way of increased income for the future, by reason of these expenditures, is equivalent to probably fifteen per cent. on the whole expenditure of the Department.

From the knowledge of the Commissioners as to the property, the improvements being made, and the leases about to be made, they feel justified in making the confident assertion that the revenues of this Department will, in a comparatively short time, reach the sum of one million dollars annually.

The statement of the revenues and disbursements accompanying this report is believed to be much more full than any heretofore usually presented.

A new system of keeping the books of the department is being put in operation, which the Commissioners feel confident will render it perfectly simple and easy for any citizen to ascertain fully all that he may desire to know as to its transactions.

Our year ends by statute on the 30th of April. The quarter's rent has then accrued, but is not payable until the next day—May 1st. It has been thought desirable that the report for the year should show the rents actually earned in that year. We have, therefore, charged this rent as having accrued. The report, therefore, must show one quarter's rent uncollected.

Another reason for the large amount of uncollected rents on the 30th April, 1878, is that the former bookkeeper of the Department was absent by reason of sickness much of the time for the first months of the year. This delayed somewhat the collection of rents.

A very large proportion of the amounts standing as uncollected on the 30th April has since been collected and paid into the Sinking Fund, as our statement shows. The balance will, we think, soon be paid.



## V.—POLICY OF THE DEPARTMENT.

The Department is now completing the improvements on the new plan in the section between Canal and West Eleventh streets.

This entire section will soon be substantially completed.

The Department has entered on the improvement of the section between Warren and Canal streets.

In this section most of the property belongs to the city, and the leases are about expiring, giving the city the right to make the improvement.

Arrangements have already been made with some of the occupants for improvement, under conditions which will give the city a very large return on their cost—on long leases—and negotiations are about being concluded with others equally favorable. This section thus presents a field for the operations of this department where an opportunity is offered to very greatly benefit the occupant, by immensely increasing commercial facilities, and, at the same time, to greatly increase the city's revenues by the expenditure.

It has often been made a matter of complaint that the rents charged for wharf property in this city were so high as seriously to retard the growth of commerce.

We are often referred to competing cities, and to the fact that their rents are merely nominal.

The facts, however, are, that the only places in this city where rents are high are in a comparatively small portion of it, so desirable by proximity to the great business centres that the competition to secure the locality is very great.

The places where the cheap rents in the other cities are to be found are comparatively remote from their business centres. The reason why steamships in those cities are willing to go to places so remote from the business centres is that in those cities almost the whole business of the lines is a through business. The purely local business is so inconsiderable a portion of the whole that the only need is to locate at a railroad terminus, even where, as in some cases, this is wholly outside the city.

Of course in such places rents will be cheap. In this city, however, the local business is so valuable that each line insists on being convenient to it, and thus the prices in such localities are raised. Rents in this city are very cheap in places not as near the great centres. It is safe to say they are as cheap here as anywhere, provided people are willing to go as far away from the centres here as they do in the other cities where cheap rents are found.

This Department, in order to meet the want for cheaper rents, if it is real, is about developing some of its up-town wharf property. We shall thus be able to furnish the finest piers, and in great numbers if they are needed, at much cheaper rents than those now obtaining for the down-town property.

We are to improve this property by building what may be in one sense termed a bulkhead wall, but a very inexpensive one, cheaper in fact than good crib-work bulkhead can be built in the same place, and in every respect very much better. We think this will be admitted even by the staunchest advocate of crib-work.

As none of this work is now being done, it is not necessary to describe it in detail. Reference is only made here to it to show that the Department is about to develop this up-town property in an inexpensive manner.

The piers in this locality will be built as fast as any demand arises.

The policy of the Department is to carry on all our improvements as rapidly as there is really any business demand.

We think this a much healthier method than the spending large amounts of money in anticipation of a demand.

We believe that our improvements can be carried on as rapidly as a sound business prudence would dictate, without the necessity for spending in so doing in any year a sum nearly equal to the annual rentals from the property.

Our commercial facilities would thus be increasing as fast as required. Our property would be in process of development, rendering it immensely more valuable, and, at the same time, the yearly burdens of the city would be sensibly diminished, and all from the annual rentals from this property.

All our work, where it can be advantageously so done, is being done by contract.

## THIRD.

In compliance with the third provision of the law, as above cited, the following information is submitted:

## I.—AS TO ORDERS AND RULES MADE BY THE BOARD.

The Board has adopted no additional Orders or Rules during the year ending April 30, 1878.

## II.—DESCRIPTION OF THE CONTRACTS MADE BY THE BOARD.

With John A. Bouker, awarded May 9, 1877, for furnishing small cobble and rip-rap stone. Estimated expense of contract, \$23,500; dated July 23, 1877; expiration, December 27, 1877.

With Charles A. Harrington, awarded May 9, 1877, for furnishing broken stone. Estimated expense of contract, \$6,048; dated July 21, 1877; expiration, December 27, 1877.

With Michael Ryan, awarded May 9, 1877, for furnishing sand. Estimated expense of contract, \$1,044; dated July 31, 1877; expiration, December 27, 1877.

With the Morris & Cummings Dredging Co., awarded July 17, 1877, for dredging slip between Piers, new 45, and new 46, North river. Estimated expense of contract, \$1,800; dated July 28, 1877; expiration, August 28, 1877.

With I. Eugene White, awarded August 17, 1877, for removing part of Pier, old 46, North river, and building on site thereof Pier, new 38, North river. Estimated expense of contract, \$30,765; dated August 29, 1877; expiration, January 19, 1878, or at a date thereafter, as provided.

With John M. C. Scully, awarded January 9, 1878, for furnishing small cobble, rip-rap and broken stone. Estimated expense of contract, \$39,350; dated January 21, 1878; expiration, December 27, 1878.

With Michael Ryan, awarded January 9, 1878, for furnishing sand. Estimated expense of contract, \$780; dated March 13, 1878; expiration, December 27, 1878.

With Moses Engle, awarded February 20, 1878, for repairing piers at Thirtieth, Thirty-fifth, Forty-sixth, and Fifty-seventh streets, North river. Estimated expense of contract, \$8,690; dated March 9, 1878; expiration, May 9, 1878.

With John Hogan, awarded February 27, 1878, for furnishing granite stones for bulkhead wall. Estimated expense of contract, \$10,478.44; dated April 4, 1878; expiration, August 15, 1878.

With John Gillies, awarded March 27, 1878, for building wooden crib pier at Fifty-fourth street, East river. Estimated expense of contract, \$2,279; dated April 1, 1878; expiration, April 30, 1878.

## III.—PAYMENTS MADE BY THE BOARD.

The Commissioners of Docks have made requisitions upon the Finance Department for payments in satisfaction of liabilities incurred from May 1st, 1877, to August 30th, 1878, amounting in all to the sum of \$486,934.69, and herewith submitted, in due form of exhibits. Annexed to the Statement of the Revenues and Disbursements of the Department for the year, is a full showing of the payments so made by the Board, and of the purposes and amounts thereof.

## IV.—LEASES MADE BY THE BOARD.

I.—All leases made during the year, at public sale and otherwise, of wharf property owned by the Corporation, including land under water, and all permits issued by the Board during that period to occupy such property, are shown in the Rent-roll accompanying this report; which fully expresses for what term, at what rent, to whom, and for what property each of said leases was respectively made, and each of said permissions was respectively granted.

It is the intention of the Commissioners to submit in their annual reports hereafter, a rent-roll, exhibiting in detail the income being derived at the end of each fiscal year from all Corporation wharf property occupied under lease or permit from this Department.

The Rent-roll submitted herewith is a complete showing, not only of leases made during the year, as required by law, but of all leases and permits continuing in force on and after the 1st day of May, 1878.

II.—Consents of the Board have been given in the year to assignment and transfer of the following mentioned leases of wharf property:

December 19, 1877.—To assignment by Robert C. Walmsley to the Morrisania Steamboat Company, of lease of bulkhead at Fifty-first street, East river.

January 30, 1878.—To assignment by the North Shore Staten Island Ferry Company to John H. Starin, of lease of Pier No. 1, East river.

March 20, 1878.—To assignment by the Empire Transportation Company to the Pennsylvania Railroad Company, of lease of Pier, old 38, North river.

April 29, 1878.—To substitution of the Cunard Steamship Company in place of the Delaware, Lackawanna & Western Railroad Company, in the agreement made April 26, 1876, to lease, upon completion of the work, Pier, new 48, North river; except use of water on the northerly side thereof.

III.—The Board has granted in the year the following mentioned allowances or reductions from rent upon leases and occupancies of wharf property:

May 1, 1877.—To Stephen Roberts, for rent erroneously charged to this date for pier at One Hundred and Twenty-fifth street, Harlem river, lease for which was purchased by him at public sale of March 7, 1876, but was unexecuted in consequence of said pier being found to be untenable, by reason of a rock existing in the slip at the northerly side thereof: \$232.50.

May 1, 1877.—To Delaware, Lackawanna and Western Railroad Company, for rent erroneously charged after May 1, 1876, for platform at southerly side of Pier, old 48, North river; new terms for the use of said platform having been made with said company, to take effect from and after that date: \$855.33.

May 1, 1877.—To John D. Tracy, for rent erroneously charged under lease of Pier 60, East river, from and after March 28, 1877, he having been dispossessed of said premises on that date: \$513.81.

May 29, 1877.—To Knickerbocker Ice Company, for rent remitted under lease of Pier, old 49, North river, for the time occupied by the Department in constructing the bulkhead wall across the inner end thereof, and in extending the outer end of said pier, in conformity with agreement made with said company on December 2, 1876: \$1,200.

June 6, 1877.—To Frederick Broege, for berth at the northerly side of pier at Fifty-first street North river, to be occupied by a free floating-bath during the current season, at the rate of \$100 per month.

June 28, 1877.—To David Tracy, for berth at the northerly side of pier at Thirty-seventh street, East river, to be occupied by a free floating-bath during the current season, at the rate of five dollars per day.

June 28, 1877.—To David Tracy, for berth at the northerly side of pier at Bethune street, North river, to be occupied by a free floating-bath during the current season: \$700.

All of which is respectfully submitted.

JACOB A. WESTERVELT,  
H. F. DIMOCK,  
JACOB VANDERPOEL, } Commissioners  
of Docks.

EUGENE T. LYNCH, Secretary.

## STATEMENT OF REVENUES AND DISBURSEMENTS.

Account with the Mayor, Aldermen, and Commonalty, and Balance Sheet for April 30, 1878.

## STATEMENT OF THE REVENUES AND DISBURSEMENTS OF THE DEPARTMENT OF DOCKS FOR AND DURING THE YEAR ENDING APRIL 30, 1878.

## DOCK AND SLIP RENT.

## I.—REVENUE:

Amount of rents remaining uncollected on April 30, 1877, as per report for the year ending on that date, to wit:

1. Due from lessees of Corporation wharf property.....	\$80,867 08
2. Due from occupants of land under water, the property of the Corporation.....	375 00
3. Claims for unpaid rents in hands of the Counsel to the Corporation for collection.....	35,271 25
	\$116,513 33

Amount of rents accrued prior to May 1, 1877, omitted to be charged at the close of the year ending April 30, 1877, to wit:

4. To lessees of Corporation wharf property.....	\$133,009 09
5. To occupants of land under water, the property of the Corporation.....	10,127 77
	\$143,136 86

(NOTE.—A considerable portion of this sum is composed of rents accrued for the quarter ending April 30, 1877, under such leases as provide for payment at the end of each quarter, and not in advance. In order to show correctly and distinctly the revenue of each fiscal year, it has been deemed advisable to charge the rents for the quarter beginning on February 1 of each year, on the 30th day of April following, instead of on the 1st day of May following, as heretofore practiced.)

Amount of rents accrued and charged in and during the year ending April 30, 1878, to wit:

6. To lessees of Corporation wharf property.....	\$639,692 20
7. To occupants of land under water, the property of the Corporation, covered by wharf improvements erected by permission of the Department.....	41,979 17
8. Amount of wharfages collected from unleased Corporation wharf property.....	29,008 69
	710,680 06
	853,816 92
	\$970,330 25

## II.—DISTRIBUTION:

## Cash:

Amount of moneys received in and during the year, and deposited with the Chamberlain to the credit of the Commissioners of the Sinking Fund for the redemption of the City Debt....	\$651,214 83
Deduct the amount included in said moneys, being proceeds from sales of old material in and during the year.....	23,013 78
	\$628,201 05
Deduct also the amount included in said moneys of sums received in and during the year at public sales of leases of Corporation wharf property, being deposits made by purchasers as security for the execution on their part of their leases respectively; which leases are to date from and after May 1, 1878, and which deposits are to be applied as rent first accruing under such leases as shall be duly completed, or, in default, to become forfeited to the City.....	28,421 25
	\$599,779 80

## Allowances:

Amount of rents and dues remitted in and during the year to lessees or occupants of Corporation wharf property, to wit:

To Stephen Roberts, for rent erroneously charged to May 1, 1877, on pier at One Hundred and Twenty-fifth street, H. R.....	\$232 50
To Frederick Broege, for rent remitted, consequent upon the mooring of a free floating bath at pier at Fifty-first street, N. R., leased by him.....	435 50
To Knickerbocker Ice Company, for rent remitted for the time occupied by the Department in constructing the new bulkhead wall across the inner end of Pier, old 49, N. R., leased by said company.....	1,200 00
To Delaware, Lackawanna and Western Railroad Company, for rent erroneously charged after May 1, 1876, for platform at south side of Pier, old 48, N. R., a new lease having been entered upon on that date....	855 33
To John D. Tracy, for rent erroneously charged on Pier 60, E. R.; the Department having repossessed the premises on March 28, 1877.....	513 81
To David Tracy, for rent remitted consequent upon the mooring of a free floating bath at each of the following named premises, leased by him, to wit:	
At pier at Thirty-seventh street, E. R.....	\$655 00
At pier at Bethune street, N. R.....	700 00
	1,355 00
	4,592 14

## Counsel to the Corporation:

Amount of claims for unpaid rents and dues for Corporation wharf property transferred to him, in and during the year, for collection (including those placed in his hands prior to May 1, 1877, amounting to \$35,271.25).....

84,716 56

689,088 50

## III.—BALANCE:

1. Amount of moneys received by this Department and remaining undeposited with the Chamberlain on April 30, 1878.....	\$13,939 16
2. Amount of rents and dues charged to lessees of Corporation wharf property and remaining uncollected on April 30, 1878.....	248,970 65
(Of which amount the sum of \$110,870 15 is not payable until May 1, 1878.)	
3. Amount of rents and dues charged to occupants of land under water, the property of the Corporation, and remaining uncollected on April 30, 1878.....	18,331 94
(Of which amount the sum of \$9,150 is not payable until May 1, 1878.)	
(NOTE.—Of this whole amount there has been deposited with the Chamberlain since May 1, 1878, the sum of.....	\$199,896 09
And since that date the Board has directed to be placed in the hands of the Counsel to the Corporation for collection the sum of.....	41,828 58
Leaving unpaid at the date of the publication of this report, the sum of.....	40,517 08
	\$281,241 75

## DOCK BONDS.

1. Amount of requisitions made by this Department upon the Commissioners of the Sinking Fund prior to May 1, 1877, for the issue of "Dock Bonds of the City of New York".....	\$5,650,000 00
2. Amount of such requisitions made in and during the year ending April 30, 1878.....	500,000 00
	\$6,150,000 00
Less the amount in such requisition last mentioned, upon which the said Commissioners of the Sinking Fund gave no direction for the issue of bonds during the year.....	100,000 00
	\$6,050,000 00
3. Making the total amount of "Dock Bonds of the City of New York," directed by the Commissioners of the Sinking Fund to be issued for the uses and purposes of the Department of Docks, from the date of its organization in May, 1870, to April 30, 1878, to be the sum of.....	\$6,050,000 00



## DOCK FUND.

## I.—REVENUE:

1. Amount of proceeds of Dock Bonds approximated as being in the hands of the Comptroller on May 1, 1877, for the uses and purposes of this Department.....	\$95,241 74
Amount of proceeds of Dock Bonds directed by the Commissioners of the Sinking Fund to be issued by the Comptroller, in and during the year ending April 30, 1878.....	400,000 00
Amount of premium derived on sales of Dock Bonds, stated to have been received by the Comptroller previously to April 30, 1878.....	426 00
	\$495,667 74
2. Amount of moneys received in and during the year by this Department and deposited with the Chamberlain to the credit of the Commissioners of the Sinking Fund, for the uses and purposes of the Department; being reimbursement for the cost of repairs to wharf property not owned by the Corporation, and for privilege of dumping material for the filling-in inside of the new bulkhead wall.....	3,297 50
	\$498,965 24

## II.—EXPENDITURE:

Amount of bills and claims audited in and during the year ending April 30, 1878, and transmitted to the Finance Department for payment, being for materials and supplies furnished and for services rendered to this Department, to wit:	
1. For Construction:	
As per annexed Schedule B:	
Advertising, for proposals, etc.....	\$407 20
Cement.....	18,968 71
Coal, for floating property, etc.....	4,745 55
Contracts for building piers, etc.....	65,899 00
Dredging.....	38,354 61
General expenditures, including plumbing and gas-fitting on new piers, fire insurance on sheds, storage and taxes on piles, etc.....	7,662 68
Granite, rip-rap, broken and cobble stone, and sand.....	49,705 82
Iron and steel.....	432 57
Lumber and piles.....	42,186 64
Maintenance of floating derricks, tugs, dredges, scows, and pile-drivers, and of Department Yards.....	8,341 51
Stationery and printing of contracts, etc.....	992 28
Supplies for tugs, dredges, pile-drivers, etc., tools and repairing.....	5,841 47
	\$243,958 04
As per annexed Schedule C:	
Salaries of the Commissioners of Docks.....	\$11,850 81
Salaries of the Office of the Engineer-in-Chief.....	25,005 72
	36,856 53
As per annexed Schedule D:	
Salaries of Superintendents of Construction.....	6,250 00
Pay-rolls:	
Surveying force.....	\$4,609 45
Captains, engineers, crews, and watchmen on floating property.....	23,111 07
Masons, dock-builders and laborers.....	98,437 61
Blacksmiths, stone-cutters, and laborers in Department Yards.....	18,368 76
	144,526 89
	150,776 89
	\$431,591 46
2. For General Repairs:	
As per annexed Schedule E:	
Dredging.....	\$1,806 57
Lumber.....	6,905 25
Repairs to Pier 42, E. R.....	666 66
Supplies and tools.....	656 75
	\$10,035 23
Pay-rolls of dock-builders, laborers, and watchmen, as per annexed Schedule F.....	13,533 19
	23,568 42
3. For Annual Repairs:	
As per annexed Schedule G:	
Advertising public sales, etc.....	\$338 46
General expenses, office rent, etc.....	8,305 01
Stationery and printing, Commissioners' office.....	1,058 70
	\$9,702 17
Salaries of officers and appointees, as per annexed Schedule H.....	21,817 40
Pay-rolls of carpenters and laborers, making alterations in Department offices, as per annexed Schedule I.....	255 24
	31,774 81
	486,934 69

## III.—BALANCE:

Amount of proceeds of Dock Bonds presumed to be in the hands of the Comptroller on April 30, 1878, available for future uses and purposes of this Department.....	\$12,030 55
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(NOTE.—No account having heretofore been kept by this Department of its Dock Fund, this accounting, in as far as relates to moneys in the hands of the Comptroller, is based upon information from the Comptroller's Office. The amount of warrants outstanding, drawn against the Dock Fund, on the date above mentioned, being unascertainable at the date of the publication of this report, such warrants are here unconsidered.)

NEW YORK, November 23, 1878.

Respectfully submitted to the Board.

WM. M. WHITNEY, Chief Clerk.

Approved and adopted:

JACOB A. WESTERVELT, } Commissioners  
H. F. DIMOCK, }  
JACOB VANDERPOEL, } Docks.

The Mayor, Aldermen, and Commonalty of the City of New York in Account with the Board of the Department of Docks for and during the Year ending April 30, 1878.

Dr.		Cr.
To deposits of money with the Chamberlain..	\$654,512 33	
To bills and claims audited for materials and supplies furnished, and for services rendered, to wit:		
On Construction account.....	\$431,591 46	
On General Repairs account.....	23,568 42	
On Annual Expense account.....	31,774 81	
To balance carried forward.....	478,988 86	
	486,934 69	
	\$1,620,435 88	
		\$1,620,435 88

(NOTE.—Of the amount of unpaid rents, the sum of \$120,020.15 was not payable until May 1, 1878, and at the date of the publication of this report, the whole of said amount of unpaid rents has been deposited with the Chamberlain, except the sum of \$40,517.08 and the amount of rents transferred to the Counsel to the Corporation, for collection.)

NEW YORK, November 23, 1878.

JACOB A. WESTERVELT, } Commissioners composing  
H. F. DIMOCK, } the Board of  
JACOB VANDERPOEL, } the Department of Docks.

WM. M. WHITNEY, Chief Clerk.

Balance Sheet, April 30, 1878.

Dr.

Cr.

Ledger

Fol.

80 Jacob A. Westervelt, Treasurer pro tem.....

\$3,448 80

81 Jacob Vanderpoel, Treasurer.....

11,490 36

284 } Sundry Lessees (as per Schedule A)....

267,302 59

419 } Counsel to the Corporation.....

84,716 56

90 Dock Fund.....

12,030 55

92 Commissioners of the Sinking Fund....

100,000 00

\$478,988 86

Ledger

Fol.

3 The Mayor, Aldermen, and Commonalty of the City of New York.....

\$478,988 86

NEW YORK, November 23, 1878.

WM. M. WHITNEY, Chief Clerk.

SCHEDULE A.  
LEDGER BALANCES, APRIL 30, 1878.  
(Trial Balance.)

DR.	FOLIO.		CR.
	3	The Mayor, Aldermen, and Commonalty.....	\$631,938 99
	48	Sales of old material.....	23,013 78
	49	Repairs for private owners.....	3,122 00
	51	Privilege of dumping.....	175 50
\$654,512 33	53	J. Nelson Tappan, Chamberlain.....	
431,591 46	64	Construction.....	
23,568 42	65	General Repairs.....	
31,774 81	67	Annual expense.....	
3,448 80	80	Jacob A. Westervelt, Treasurer pro tem.....	
11,490 36	81	Jacob Vanderpoel, Treasurer.....	
	84	Rent advances.....	28,421 25
100,000 00	88	Commissioners of the Sinking Fund.....	
84,716 56	90	Counsel to the Corporation.....	
8,733 05	92	Dock Fund.....	
	94	Leased wharves.....	848,976 23
	96	Land under water.....	52,481 94
	98	Unleased wharves.....	29,008 69
		Sundry Lessees:	
267,302 59	284 to 419	(This amount being wholly composed of accrued rents charged to 103 tenants, of which amount \$120,020 15 is not payable until May 1, 1878.....	
\$1,617,138 38			\$1,617,138 38

## SCHEDULE B.

## BILLS AND CLAIMS AUDITED ON CONSTRUCTION ACCOUNT.

Advertising.	
Commercial Advertiser Association.....	\$8 00
N. Y. Tribune.....	216 70
Noah's Sunday Times.....	9 60
N. Y. Herald.....	30 80
N. Y. Staats Zeitung.....	25 25
N. Y. Express Company.....	52 05
Journal of Commerce.....	22 40
The World.....	42 40
	\$407 20
Cement.	
Johnson & Wilson.....	\$17,495 30
S. L. Merchant & Co.....	1,473 41
	18,968 71
Coal for Tugs, Pile Drivers, etc.	
Thomas Davies.....	\$86 00
The Hudson Coal Company.....	4,059 55
	4,745 55
Contracts for Building Piers and Platforms.	
T. & A. Walsh.....	\$26,922 00
Ross & Sandford.....	612 00
McIntire Bros.....	7,600 00
I. Eugene White.....	30,765 00
	65,899 00
Drawing Materials and Surveying Instruments.	
Keuffel & Esser.....	\$68 80
A. S. Barnes & Co.....	306 20
Stackpole & Bro.....	45 00
	420 00
Dredging.	
Morris and Cummings' Dredging Company.....	\$36,882 24
Union Dredging Company.....	1,472 37
	38,354 61
General Expenses, including Plumbing and Gas-fitting on New Piers, Insurance on Sheds, Storage on Piles, Taxes, etc.	
Bradley, Kurtz & Co.....	\$466 25
Moses S. Barrett.....	53 53
Phelps, Doremus & Corbett.....	27 50
James O'Brien.....	111 76
J. C. Moore.....	1,130 10
Knickerbocker Ice Company.....	23 05
Wm. Rainer.....	33 20
N. Y. Towing & Transportation Line.....	111 00
Donegan & Reilly.....	66 43
Ætna Insurance Company.....	53 14
Atlantic ".....	26 57
Adriatic ".....	26 57
Broadway Insurance Company.....	53 14
Columbia ".....	26 57
Commercial Fire Insurance Company.....	26 57
Greenwich ".....	26 57
Gebhard Fire ".....	26 57
Guaranty Fire ".....	106 26
Guardian Fire ".....	26 57
Hoffman Fire ".....	26 57
Lorillard ".....	79 70
Manhattan Fire ".....	53 13
N. Y. Produce Ex. ".....	26 57
Relief Fire ".....	53 13
Resolute Fire ".....	26 57
Westchester Fire ".....	26 57
Stevens' Institute of Technology.....	73 40
Jacob Euler & Sons.....	350 00
Marshall Lefferts.....	19 17
M. Thompson.....	56 15
Thomas C. Townsend.....	1,556 74
J. B. & J. M. Cornell.....	257 86
Conrad Wittich.....	180 00
N. Y. Roofing Company.....	314 00
T. W. Armstrong.....	10 75
C. H. Delamater & Co.....	223 92
F. A. Cairnes.....	40 00
Chas. Boettger.....	1,031 00
City of Hoboken, N. J.....	41 57
Boyce & Fairfield.....	237 84
American Clock Company.....	2 50
Henry Pym.....	8 00
American Diamond Rock Boring Company.....	332 00
Incidentals.....	214 19
	7,662 68

## Granite, Rip-Rap, Broken and Cobble Stone and Sand.

John A. Bouker.....	\$25,568 75
Chas. A. Harrington.....	7,233 02
Patrick Brady.....	487 43
Davis Tillson.....	9,735 05
Michael Ryan.....	742 40
Bodwell Granite Company.....	499 76
John M. C. Scully.....	5,439 41
	49,705 82

## Iron and Steel.

Blake & Mahony.....	\$43 75
Pierson & Co.....	329 56
Egleston Bros. & Co.....	59 26
	432 57



*Lumber and Piles.*

Bell Brothers.....	\$1,971 34
Drew & Bucki.....	6,354 78
Watrous & Wilson.....	2,897 92
H. W. Gause.....	103 68
J. C. Moore.....	2,041 94
A. Ammermann.....	218 29
Beard & Kimpland.....	17,537 80
John Lawrence.....	2,857 74
Thomas J. Crombie.....	2,482 45
O. F. Potter.....	5,659 52
Chas. B. Carman.....	1,102 00
J. W. & W. F. Smith.....	474 25
James D. Leary.....	1,079 34
J. Disosway & Co.....	34 07
E. W. McClave & Co.....	135 85
Schuyler, Miller & Co.....	235 67

\$42,186 64

*Maintenance of Floating Derricks, Tugs, Dredges, Scoops, Pile Drivers and Boring Machine and of Department Yards.*

W. B. Ferguson.....	\$213 93
Handren & Ripley.....	2,286 89
Henry Gilbert.....	200 00
A. Keppleman.....	33 35
N. Y. Belting and Packing Company.....	24 27
Screw Dock Company.....	140 50
Cook & Pulver.....	12 00
J. H. Calkin, Agt.....	15 75
L. Katzenstein.....	30 00
Guardian Fire Insurance Company.....	30 00
Lorillard.....	60 00
Relief Fire.....	30 00
Ready Roofing Company.....	248 56
Wm. McDonagh & Co.....	2,670 77
McArthur & Co.....	5 10
Jas. M. Shaw & Co.....	66 90
Jenkins, Smith & Co.....	666 25
Upton Jones.....	5 40
Thos. C. Townsend.....	956 85
Giroud & Sutton.....	5 50
N. Y. Roofing Company.....	132 81
James W. Marshall.....	110 68
American Fire Insurance Company.....	30 00
Manufacturers' and Builders' Fire Insurance Company.....	30 00
Pacific Fire Insurance Company.....	30 00
Mechanics' and Traders' Fire Insurance Company.....	30 00
Continental Insurance Company.....	30 00
Merchants' Insurance Company.....	30 00
Mercantile Fire Insurance Company.....	30 00
Ridgewood Insurance Company.....	30 00
Clinton Fire Insurance Company.....	30 00
Lenox Fire Insurance Company.....	30 00
Citizens' Insurance Company.....	30 00
J. S. Munday.....	60 00

8,341 51

*Stationery and Printing.*

John S. Hulin.....	\$218 08
Wm. C. Bryant & Co.....	485 50
A. S. Barnes & Co.....	228 70
Jos. Laing.....	60 00

992 28

*Supplies for Tugs, Dredges, Pile Drivers, etc., Tools and Repairing.*

Josiah Macy's Sons.....	\$79 48
Paul C. Coffin & Co.....	1,496 06
Bryant & Co.....	230 00
Bell & Hine.....	57 60
Goodyear's I. R. Glove Manufacturing Company.....	74 50
John Jewett & Sons.....	105 00
Prince's Metallic Paint Company.....	15 00
C. T. Reynolds & Co.....	18 75
Frederick Habirshaw.....	7 50
Wm. Young.....	1,568 61
F. H. Evans.....	126 00
John Moore's Sons.....	40 50
Hodgman & Co.....	388 30
Patterson Bros.....	680 38
Thos. C. Townsend.....	595 26
Lawrence Waterbury & Co.....	221 20
Richard Dudgeon.....	10 50
Downer Kerosene Oil Company.....	29 83
Nelson Tool Works.....	29 50
John Bryant & Co.....	67 50

5,841 47

\$243,958 04

## SCHEDULE C.

## SALARIES AUDITED ON CONSTRUCTION ACCOUNT.

*Commissioners of Docks.*

Salem H. Wales, President.....	\$52 41
Jacob A. Westervelt, President.....	5,822 59
Henry F. Dimock.....	3,000 00
Jacob Vanderpoel.....	2,975 81

\$11,850 81

*Office of Engineer-in-Chief.*

G. S. Greene, Jr., Engineer-in-Chief.....	\$6,000 00
Willard A. Nichols, First Assistant Engineer.....	3,600 00
Wm. W. Maclay, Assistant Engineer.....	2,500 00
Charlton B. Kid.....	2,500 00
David T. Keiller, Draughtsman.....	1,800 00
Thos. J. Long.....	1,200 00
Moses S. Barrett, Surveyor.....	1,448 71
Charles W. Raymond, Leveler.....	872 01
John H. Staats, Transitman.....	1,000 00
James O'Brien, Roundsman.....	1,200 00
Robt. M. Kid, Draughtsman.....	846 00
Wm. Livingstone, do.....	939 00
John K. Murphy, Copyist.....	452 00
Frederick Lange, Messenger.....	648 00

25,005 72

\$36,856 53

## SCHEDULE D.

## SALARIES AND PAY-ROLLS AUDITED ON CONSTRUCTION ACCOUNT.

*Salaries of Superintendents of Construction.*

Thos. Murphy, Superintendent Masonry Construction.....	\$2,250 00
James Guthrie, Superintendent Construction.....	2,500 00
Patrick White, Foreman Dockbuilder.....	1,500 00

\$6,250 00

*Pay-rolls of Surveying Force.*

For two weeks ending April 28, 1877.....	\$156 00
" " May 12, ".....	162 00
" " 26, ".....	119 00
" " June 9, ".....	195 00

For two weeks ending June 23, 1877.....	\$219 00
" " July 7, ".....	132 00
" " 21, ".....	138 00
" " Aug. 4, ".....	138 00
" " 18, ".....	145 00
" " Sept. 1, ".....	138 00
" " 15, ".....	145 60
" " 29, ".....	162 00
" " Oct. 13, ".....	184 00
" " 27, ".....	201 50
" " Nov. 10, ".....	151 00
" " 24, ".....	173 50
" " Dec. 8, ".....	170 50
" " 22, ".....	163 50
" " Jan. 5, 1878.....	187 50
" " 19, ".....	175 25
" " Feb. 2, ".....	193 00
" " 16, ".....	210 50
" " March 2, ".....	191 00
" " 16, ".....	208 00
" " 30, ".....	157 00
" " April 13, ".....	168 90
" " 27, ".....	224 70

\$4,609 45

*Pay-rolls of Captains, Engineers, Crews and Watchmen on Floating Property.*

For month of May, 1877.....	\$2,224 70
" June, ".....	2,205 18
" July, ".....	680 58
" August, 1877.....	658 40
" September, 1877.....	389 00
" October, ".....	389 00
" November, ".....	389 00
" December, ".....	389 00
" January, 1878.....	389 00
" February, ".....	665 76
" March, ".....	587 36
" April, ".....	385 67

9,352 65

For two weeks ending April 28, 1877.....	\$818 63
" " May 12, ".....	777 42
" " 26, ".....	765 01
" " June 9, ".....	771 64
" " 23, ".....	679 37
" " July 7, ".....	361 63
" " 21, ".....	450 53
" " August 4, ".....	439 08
" " 18, ".....	446 11
" " Sept. 1, ".....	443 48
" " 15, ".....	428 92
" " 29, ".....	434 19
" " Oct. 13, ".....	406 17
" " 27, ".....	448 06
" " Nov. 10, ".....	412 44
" " 24, ".....	400 91
" " Dec. 8, ".....	409 71
" " 22, ".....	447 15
" " Jan. 5, 1878.....	438 03
" " 19, ".....	403 55
" " Feb. 2, ".....	515 70
" " 16, ".....	539 78
" " March 2, ".....	487 73
" " 16, ".....	529 72
" " 30, ".....	477 39
" " April 13, ".....	505 36
" " 27, ".....	520 71

13,758 42

*Pay-rolls of Masons, Dockbuilders and Laborers.*

For two weeks ending April 28, 1877.....	\$4,257 48
" " May 12, ".....	5,072 80
" " 26, ".....	4,320 11
" " June 9, ".....	4,539 79
" " 23, ".....	4,377 40
" " July 7, ".....	4,077 35
" " 21, ".....	4,091 91
" " August 4, ".....	2,959 46
" " 18, ".....	3,376 63
" " Sept. 1, ".....	3,713 65
" " 15, ".....	3,164 14
" " 29, ".....	3,661 61
" " Oct. 13, ".....	3,750 49
" " 27, ".....	3,954 89
" " Nov. 10, ".....	3,609 09
" " 24, ".....	3,598 51
" " Dec. 8, ".....	2,906 23
" " 22, ".....	3,232 12
" " Jan. 5, 1878.....	2,486 86
" " 19, ".....	3,203 05
" " Feb. 2, ".....	3,427 34
" " 16, ".....	3,075 55
" " March 2, ".....	2,148 64
" " 16, ".....	3,005 08
" " 30, ".....	3,696 03
" " April 13, ".....	4,055 87
" " 27, ".....	4,075 53

98,437 61

*Pay-rolls of Blacksmiths, Stonecutters and Laborers in Department Yards.*

For two weeks ending April 28, 1877.....	\$617 55
" " May 12, ".....	559 68
" " 26, ".....	626 40
" " June 9, ".....	568 02
" " 23, ".....	500 90
" " July 7, ".....	438 69
" " 21, ".....	492 29
" " Aug. 4, ".....	518 69
" " 18, ".....	509 80
" " Sept. 1, ".....	427 76
" " 15, ".....	1,239 59
" " 29, ".....	1,058 46
" " Oct. 13, ".....	1,070 57
" " 27, ".....	1,543 72
" " Nov. 10, ".....	1,346 80
" " 24, ".....	1,560 80
" " Dec. 8, ".....	1,088 53
" " 22, ".....	983 77
" " Jan. 5, 1878.....	389 95
" " 19, ".....	349 35
" " Feb. 2, ".....	324 05
" " 16, ".....	320 70
" " March 2, ".....	376 78
" " 16, ".....	337 90
" " 30, ".....	379 40
" " April 13, ".....	352 88
" " 27, ".....	385 73

18,368 76

\$144,526 89

Total..... \$150,776 89



## SCHEDULE E.

## BILLS AND CLAIMS AUDITED ON GENERAL REPAIRS ACCOUNT.

<i>Dredging.</i>	
Morris & Cumings Dredging Co.	\$1,435 20
Union Dredging Co.	371 37
	\$1,806 57
<i>Lumber.</i>	
Watrous & Wilson	\$322 31
W. B. Ferguson	24 00
Thos. J. Crombie	5,684 88
Jno. Lawrence	272 93
Bell Bros.	110 28
Drew & Bucki	54 85
Schuyler, Miller & Co.	136 00
J. C. Moore	300 00
	6,905 25
<i>Repairs to Pier 42, E. R.</i>	
Floating Dry Dock Co.	666 66
<i>Supplies and Tools.</i>	
Patterson Bros.	\$465 00
Wm. Young	15 00
Jno. C. Jacobs	176 75
	656 75
Total	\$10,035 23

## SCHEDULE F.

PAY-ROLLS AUDITED ON GENERAL REPAIRS ACCOUNT.  
*Of Dock-builders, Laborers and Watchmen.*

For two weeks ending April 28, 1877	\$126 73
" " May 12, "	174 37
" " " 26, "	353 40
" " June 9, "	131 84
" " " 23, "	381 25
" " July 7, "	298 07
" " " 21, "	94 13
" " August 4, "	283 70
" " " 18, "	404 30
" " Sept. 1, "	280 46
" " " 15, "	326 30
" " " 29, "	310 34
" " Oct. 13, "	204 24
" " " 27, "	437 72
" " Nov. 10, "	383 02
" " " 24, "	851 47
" " Dec. 8, "	728 72
" " " 22, "	376 83
" " Jan. 5, 1878	358 20
" " " 19, "	506 07
" " Feb. 2, "	215 67
" " " 16, "	754 45
" " March 2, "	1,550 61
" " " 16, "	687 52
" " " 30, "	1,180 45
" " April 13, "	1,202 08
" " " 27, "	931 25
	\$13,533 19

## SCHEDULE G.

## BILLS AND CLAIMS AUDITED ON ANNUAL EXPENSE ACCOUNT.

<i>Advertising.</i>	
Commercial Advertiser	\$8 00
N. Y. Times	43 40
N. Y. Tribune	126 00
N. Y. News Publishing Co.	18 90
N. Y. Staats-Zeitung	5 00

N. Y. Express Co.	\$19 80
Journal of Commerce	32 76
The World	10 20
N. Y. Herald	74 40
	\$338 46

*General Expenses, Office Rent, etc.*

Sanders Wilson	\$35 00
James Rodgers	56 25
Knickerbocker Ice Co.	37 42
A. A. Knudson	40 00
James Watson	40 68
L. G. Goulding & Co.	5 00
A. T. Stewart & Co.	13 23
Thos. C. Townsend	155 19
Manhattan Real Estate Association	6,450 00
Conrad Wittich	46 15
Baker, Voorhis & Co.	2 75
Incidentals, Cleaning Offices, etc.	1,053 17
Wm. J. Farrin	9 36
Jno. J. McCarthy	50 00
H. A. Althaus	110 00
J. S. Peck & Co.	9 00
Counting House Monitor	6 00
W. & J. Sloane	68 78
Hojer & Graham	4 00
Shipping & Commercial List	10 00
S. Bergman & Co.	15 00
Journal of Commerce	14 00
Jno. Lawrence	60 08
Patterson Bros.	13 95
	8,305 01

*Stationery and Printing.*

John S. Hulin	\$598 35
Wm. C. Bryant & Co.	249 52
A. S. Barnes & Co.	161 33
C. C. & A. L. Chamberlain	49 50
	1,058 70

## SCHEDULE H.

## SALARIES AUDITED ON ANNUAL EXPENSE ACCOUNT.

*Officers and Appointees.*

Eugene T. Lynch, Secretary	\$3,500 00
Wm. W. Burnham, Bookkeeper	3,000 00
Wm. M. Whitney, Chief Clerk	2,500 00
John M. Smith, Superintendent	1,500 00
James Fitzpatrick	1,500 00
Wm. McConkey	1,500 00
John Butler	1,500 00
Joseph T. Kelly, Assistant Bookkeeper	1,800 00
Otho H. Klemm, Clerk to Auditing Committee	450 00
Wm. M. Purdy, Temporary Clerk	220 00
Edward Dickel	875 00
Thomas Early, Messenger	1,000 00
Eugene Conkling, Office Messenger	703 50
George S. Hunt	521 65
Amzi Cook, Inspector	426 00
Hugh Fitzpatrick, Night Watchman	821 25
	\$21,817 40

## SCHEDULE I.

## PAY-ROLLS AUDITED ON ANNUAL EXPENSE ACCOUNT.

*Of Carpenters and Laborers.*

For 2 weeks ending August 4, 1877	\$185 81
" " " 18, "	69 43
	\$255 24

RENT ROLL, showing the occupancy of all Corporation Wharf Property under Leases and Permits of the Department of Docks on May 1, 1878; and including all Leases sold by Public Sale, and all Leases and Permits terminated during the year then ended.

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.		RIGHT OF TENANCY.
			Leases, etc., terminated.	Leases, etc., in force on and after May 1, 1878.	
North River.					
Berth at Pier New 1.....	Jarrett & Palmer.....	At pleasure of the Board....	\$150 per mo.	.....	By Resolution, May 23, 1877.
Berth at Pier New 1.....	N. Y., Bay Ridge & Jamaica R. R.....	At pleasure of the Board.....	5 per day.	.....	By Resolution, July 25, 1877.
Berth at Pier New 1.....	Jarrett & Palmer.....	June 1, 1878, to Aug. 31, 1878.....		\$450 per mo.	By Resolution, April 24, 1878.
Extension to bulkhead between Piers 3 and 6, and widening Piers 4 and 5.....	Union R. R. & Transportation Co.....	May 1, 1873, to May 1, 1883.....		12,500 per ann.	By Resolution, April 30, 1873.
Platforms at bulkheads between Piers 6 and 8.....	N. Y. & Baltimore Transportation Line.....	At pleasure of the Board.....	300 "	"	By Resolution, January 2, 1878
Pier 13 and north half Pier 12, and bulkhead between Extension to Pier 13.....	Russell Sturgis.....	Aug. 1, 1869, to Aug. 1, 1879.....	14,750 "	"	By Commissioners of the Sinking Fund, May 31, 1869.
South half Pier 14.....	Appleton Sturgis.....	Aug. 1, 1873, to Aug. 1, 1879.....	750 "	"	By Resolution, June 12, 1873.
South half Pier 18.....	Central R. R. Co. of New Jersey.....	May 1, 1876, to May 1, 1881.....	10,010 "	"	By Public Sale, March 7, 1876.
Platform between Piers 18 and 19, etc.....	Associates of the Jersey Co.....	May 1, 1876, to May 1, 1886.....	7,510 "	"	By Public Sale, March 7, 1876.
Platform between Piers 18 and 20.....	Delaware, Lackawanna & Western R. R. Co.....	May 1, 1878, to 3 mos. notice.....	400 "	"	By Resolution, March 6, 1878.
Pier 20 and bulkhead southerly.....	John H. Starin.....	At pleasure of the Board.....	1,200 "	"	By Resolutions, May 15, 1873, and December 15, 1875.
Extension to Pier 20.....	Francis MacDonald.....	May 1, 1868, to 3 mos. notice.....	9,000 "	"	By the Mayor, etc., lease dated December 6, 1867.
Bulkhead between Piers 20 and 21.....	Francis MacDonald.....	June 15, 1874, to 3 mos. notice.....	2,500 "	"	By Resolution, March 11, 1874.
Pier 21.....	Francis MacDonald (Assignee).....	Nov. 1, 1869, to Nov. 1, 1879.....	2,000 "	"	By Commissioners of the Sinking Fund, lease dated Dec. 17, 1869.
Extension to Pier 21.....	Francis MacDonald.....	Feb. 1, 1870, to Feb. 1, 1880.....	3,000 "	"	By Commissioners of the Sinking Fund, May 31, 1869.
South half Pier 22 and bulkhead adjoining.....	Francis MacDonald.....	June 15, 1874, to Feb. 1, 1880.....	2,000 "	"	By Resolution, March 11, 1874.
South half Pier 22 (sometimes named 23) and bulkhead adjoining.....	Stephens & Condit Transportation Co. (Assignee).....	June 1, 1875, to June 1, 1878.....	2,005 "	"	By Public Sale, June 10, 1875.
South half Pier 29.....	Stephens & Condit Transportation Co.....	June 1, 1878, to June 1, 1881.....	2,910 "	"	By Public Sale, March 14, 1878
North half Pier 29.....	Providence & Stonington Steamship Co. (Assignee).....	Feb. 1, 1870, to Feb. 1, 1880.....	7,500 "	"	By Commissioners of the Sinking Fund, lease dated Jan. 18, 1870.
Widening south side Pier 29.....	Erie Railway Co.....	Feb. 1, 1870, to Feb. 1, 1880.....	7,500 "	"	By Commissioners of the Sinking Fund, lease dated Jan. 18, 1870.
Pier 30.....	George W. Quintard, Agent.....	May 1, 1871, to Feb. 1, 1880.....	100 "	"	By Resolution, February 9, 1871.
Pier 31 and one-half of bulkhead on each side thereof.....	Pavonia Ferry Co.....	At pleasure of the Board.....	15,000 "	"	Holding over till completion of new work.
Pier 32 and one-half of bulkhead on each side thereof.....	Erie Railway Co.....	At pleasure of the Board.....	12,500 "	"	
Platforms on each side of Pier 32 at bulkhead.....	Erie Railway Co. (Assignee).....	At pleasure of the Board.....	10,500 "	"	By Resolution, September 1, 1873.
South half Pier 33 and half bulkhead adjoining.....	Providence & Stonington Steamship Co.....	At pleasure of the Board.....	1,500 "	"	By Resolution, April 6, 1876.
Platform north side Pier 33.....	Providence & Stonington Steamship Co.....	At pleasure of the Board.....	10,000 "	"	By Resolution, August 1, 1872.
North half Pier Old 34.....	D. D. & T. Smith.....	May 1, 1876, to May 1, 1877.....	350 "	"	By the Mayor, etc., lease dated April 26, 1866 (holding over).
North half Pier Old 34.....	S. D. Coykendall & J. H. Tremper.....	May 1, 1877, to May 1, 1878.....	6,100 per ann.	.....	By Public Sale, March 12, 1877.
Platform south side Pier Old 35.....	J. H. Tremper & S. D. Coykendall.....	May 1, 1878, to May 1, 1879.....	6,500 "	.....	By Public Sale, March 14, 1878.
Pier Old 35.....	Homer Ramsdell.....	At pleasure of the Board.....	7,050 for term	.....	By Resolution, September 19, 1872.
Platform south side Pier Old 36.....	John P. Acker.....	May 1, 1869, to May 1, 1879.....	100 per ann.	.....	By Mayor, etc., lease dated May 1, 1869.
Pier Old 36.....	Bogert & Morgan, Agents.....	At pleasure of the Board.....	9,000 "	"	By Resolution, August 8, 1877.
Pier Old 37.....	Empire Transportation Co. (Assignee).....	Feb. 1, 1870, to Feb. 1, 1880.....	250 "	"	By Commissioners of the Sinking Fund, May 31, 1869.
Platform on each side of Pier Old 37.....	Old Dominion Steamship Co.....	June 1, 1869, to May 1, 1879.....	8,609.60 "	"	By Commissioners of the Sinking Fund, May 31, 1869.
Pier Old 38 and North Battery.....	Old Dominion Steamship Co.....	At pleasure of the Board.....	8,500 "	"	By Resolutions, February 20 and July 21, 1873.
Bulkhead south of Pier Old 39.....	Pennsylvania R. R. Co. (Assignee).....	June 1, 1869, to May 1, 1879.....	2,500 "	"	By Commissioners of the Sinking Fund, May 31, 1869.
Platform at bulkhead south of Pier Old 39.....	Harvey P. Farrington.....	Aug. 1, 1869, to May 1, 1879.....	18,000 "	"	By Commissioners of the Sinking Fund, May 31, 1869.
Pier Old 39.....	Harvey P. Farrington.....	May 1, 1873, to May 1, 1879.....	300 "	"	By Resolution, October 10, 1872.
Land under water for platform north side Desbrosses street.....	Henry Smith.....	May 1, 1869, to May 1, 1879.....	100 "	"	By Mayor, etc., lease dated May 1, 1869.
Pier Old 40 and northerly bulkhead.....	New Jersey R. R. & Transportation Co.....	At pleasure of the Board.....	10,500 "	"	By Resolution, November 2, 1871.
Pier Old 42.....	Harvey P. Farrington.....	May 1, 1873, to May 1, 1883.....	1,000 "	"	By Resolution, March 14, 1873.
Pier New 34 and one-half of bulkhead on each side.....	Edgar W. Youmans.....	May 1, 1876, to May 1, 1879.....	10,000 "	"	By Public Sale, April 21, 1876.
Pier New 35 and northerly bulkhead (formerly Pier Old 43).....	Pacific Mail Steamship Co.....	Sept. 1, 1874, to Sept. 1, 1884.....	4,510 "	"	By Resolution, July 23, 1874.
Platform at south side of Pier Old 44, etc.....	William R. Garrison.....	May 1, 1873, to May 1, 1883.....	45,000 "	"	By Resolution, April 24, 1873.
Pier New 37 (formerly Pier Old 45).....	Francis W. J. Hurst.....	At pleasure of the Board.....	22,500 "	"	By Resolution, February 29, 1872.
Bulkhead between Piers New 37 and New 38.....	John G. Dale, Agent.....	Nov. 1, 1869, to Nov. 1, 1879.....	1,750 per ann.	.....	By Commissioners of the Sinking Fund, May 31, 1869.
Pier New 38.....	Booth & Edgar.....	At pleasure of the Board.....	8,500 per ann.	.....	By Resolution, June 28, 1876.
Pier Old 47.....	Williams & Guion.....	May 1, 1878, to May 1, 1888.....	1,000 "	"	By Resolutions, April 26, 1876, and January 30, 1878.
Pier New 39.....	Francis W. J. Hurst (National S. S. Co.).....	May 1, 1876, to Feb. 1, 1878.....	30,000 "	"	By Resolution, April 26, 1876.
Pier 48, except L and use of water on north side.....	Francis W. J. Hurst (National S. S. Co.).....	Feb. 1, 1878, to Feb. 1, 1888.....	15,000 per ann.	.....	By Resolutions, April 26, 1876, and January 30, 1878.
Land water on north side Pier 48.....	Delaware, Lackawanna & Western R. R. Co.....	May 1, 1876, to May 1, 1878.....	30,000 per ann.	.....	By Resolution, April 26, 1876.
	Central R. R. Co. of New Jersey.....	May 1, 1876, to May 1, 1877.....	5,000 "	.....	By Resolution, April 26, 1876.



PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.		RIGHT OF TENANCY.
			Leases, etc., Terminated.	Leases, etc., in force on and after May 1, 1878.	
Pier New 41, formerly Old 49.	Knickerbocker Ice Co.	Dec. 1, 1869, to Dec. 1, 1879		\$8,000 per ann.	By Commissioners of the Sinking Fund, May 1, 1869.
Pier New 42.	Compagnie Generale Transatlantique.	Nov. 1, 1876, to Nov. 1, 1886		30,000 "	By Resolution, February 18, 1875.
Bulkhead and slip between Piers New 43 and New 44	Hoboken Land and Improvement Co.	May 1, 1874, to May 1, 1884		15,000 "	By Resolution, February 2, 1874.
Piers New 44 and New 45 and bulkhead between, and one-half bulkhead north of New 45.	Oceanic Steam Navigation Co.	July 1, 1874, to July 1, 1884		45,000 "	By Resolution, December 4, 1873.
Pier New 46.	Charles L. Wright & Co.	At pleasure of the Board.	\$60 per day.		By Resolution, November 3, 1875.
Pier New 46.	John S. Williams.	May 1, 1876, to May 1, 1878	9,300 per ann.		By Resolution, April 26, 1876.
Pier New 47 and 500 feet bulkhead easterly thereof.	Alexander Mason and Robert Foster.	May 1, 1875, to May 1, 1878	6,100 "		By Public Sale, March 31, 1875.
Pier New 47 and southerly bulkhead.	Alexander Mason.	May 1, 1878, to May 1, 1881		4,500 per ann.	By Public Sale, March 14, 1878.
Bulkhead along easterly side of approach to Piers New 46 and New 47.	Alexander Mason.	May 1, 1878, to May 1, 1881		1,000 "	By Public Sale, March 14, 1878.
Bulkhead south of Pier 54, etc.	William H. Christie.	Nov. 1, 1873, to May 1, 1878	6,000 per ann.		By Resolution, October 21, 1873.
Bulkhead south of Pier 54.	William H. Christie.	May 1, 1878, to May 1, 1881		6,000 per ann.	By Public Sale, March 14, 1878.
Pier 54.	Matthew Foster.	May 1, 1875, to May 1, 1878	5,200 per ann.		By Public Sale, March 31, 1875.
Pier 54.	Henry Miller, Jr.	May 1, 1878, to May 1, 1881		3,000 per ann.	By Public Sale, March 14, 1878.
Pier at 11th street and bulkhead extending easterly to West street.	John D. Tracy.	(Dispossessed Oct. 31, 1877)	5,950 per ann.		By Public Sale, April 21, 1876.
Bulkhead at Bank street.	Knickerbocker Ice Co.	May 1, 1878, to May 1, 1881		300 per ann.	By Public Sale, April 22, 1878.
Pier at Bethune street.	David Tracy.	May 1, 1875, to May 1, 1878	760 per ann.		By Public Sale, March 31, 1875.
Pier at Bethune street (except reservation for Public Bath).	Decker & Rapp.	May 1, 1878, to May 1, 1881		375 per ann.	By Public Sale, March 14, 1878.
Pier at Jane street.	Decker & Rapp & Co.	May 1, 1875, to May 1, 1878	760 per ann.		By Public Sale, March 31, 1875.
Pier at Jane street.	Decker & Rapp.	May 1, 1878, to May 1, 1881		895 per ann.	By Public Sale, March 14, 1878.
Pier at Horatio street.	Consumers' Ice Co.	May 1, 1875, to May 1, 1878	800 per ann.		By Public Sale, March 31, 1875.
Pier at Horatio street.	W. G. Schenck.	May 1, 1878, to May 1, 1881		750 per ann.	By Public Sale, March 14, 1878.
Pier at Gansevoort street.	Daniel Shea.	Mar. 10, 1874, to Feb. 1, 1879		3,250 "	By Resolution, February 12, 1874.
Bulkhead north of Gansevoort street.	Minot F. Winch and William Kemp.	May 1, 1875, to May 1, 1878	1,300 per ann.		By Public Sale, March 31, 1875.
Bulkhead north of Pier at Gansevoort street.	New York City Ice Co.	May 1, 1878, to May 1, 1881		1,250 per ann.	By Public Sale, March 14, 1878.
Pier north of Bloomfield street.	Felix Dougherty.	May 1, 1875, to May 1, 1878	1,200 per ann.		By Public Sale, March 31, 1875.
Pier north of Bloomfield street.	Felix Dougherty.	May 1, 1878, to May 1, 1881		1,000 per ann.	By Public Sale, March 14, 1878.
Bulkhead south of Little 12th street.	Edgar W. Youmans.	May 1, 1875, to May 1, 1878	405 per ann.		By Public Sale, March 31, 1875.
Bulkhead south of Pier at Little 12th street.	Drew & Bucki.	May 1, 1878, to May 1, 1881		510 per ann.	By Public Sale, March 18, 1878.
Pier at Little 12th street.	George F. Drew and Louis Bucki (Assignees).	May 1, 1875, to May 1, 1878	925 per ann.		By Public Sale, April 22, 1875.
Pier at Little 12th street.	Drew & Bucki.	May 1, 1878, to May 1, 1881		750 per ann.	By Public Sale, April 15, 1878.
North half Pier at 13th street.	A. C. Cheney, President.	May 1, 1878, to May 1, 1881		500 "	By Public Sale, March 14, 1878.
Bulkhead at 14th street.	Mutual Benefit Ice Co.	May 1, 1875, to May 1, 1878	1,010 per ann.		By Public Sale, April 22, 1875.
Bulkhead at 14th street.	Mutual Benefit Ice Co.	May 1, 1878, to May 1, 1881		1,000 per ann.	By Public Sale, March 14, 1878.
Pier at 15th street.	Frederick Habkemeier.	May 1, 1875, to May 1, 1878	825 per ann.		By Public Sale, April 22, 1875.
Pier at 15th street.	A. C. Cheney.	May 1, 1878, to May 1, 1881		905 per ann.	By Public Sale, March 14, 1878.
Pier at 16th street.	A. C. Cheney.	May 1, 1878, to May 1, 1881		700 "	By Public Sale, March 14, 1878.
Pier at 17th street.	Manhattan Gas-light Co.	May 1, 1875, to May 1, 1878	1,900 per ann.		By Public Sale, March 31, 1875.
Pier at 17th street.	Manhattan Gas-light Co.	May 1, 1878, to May 1, 1881		2,000 per ann.	By Public Sale, March 14, 1878.
Pier at 18th street.	Manhattan Gas-light Co.	May 1, 1875, to May 1, 1878	1,900 per ann.		By Public Sale, March 31, 1875.
Pier at 18th street.	Manhattan Gas-light Co.	May 1, 1878, to May 1, 1881		2,000 per ann.	By Public Sale, March 14, 1878.
Bulkhead at 19th street.	Edgar W. Youmans.	May 1, 1876, to May 1, 1879		255 "	By Public Sale, April 21, 1876.
Pier at 20th street.	Knickerbocker Ice Co.	May 1, 1876, to May 1, 1886		1,505 "	By Public Sale, April 21, 1876.
Pier at 22d street.	A. Van Santvoord.	May 1, 1876, to May 1, 1886		1,410 "	By Public Sale, April 21, 1876.
Extension to Pier at 22d street.	A. Van Santvoord.	June 20, 1876, to May 1, 1886		250 "	By Resolution, May 10, 1876.
Platform north of Pier at 23d street.	Twenty-third Street R'y Company.	At pleasure of the Board.		350 "	By Resolutions, May 2 and 15, 1877.
Pier at 24th street.	A. Van Santvoord.	May 1, 1875, to May 1, 1878	5,000 per ann.		By Public Sale, March 31, 1875, and Resolution, April 8, 1875.
Pier at 24th street.	C. T. Van Santvoord.	May 1, 1878, to May 1, 1881		4,000 per ann.	By Public Sale, April 15, 1878.
Pier at 25th street.	A. Van Santvoord.	May 1, 1875, to May 1, 1878	1,775 per ann.		By Public Sale, March 31, 1875.
Pier at 26th street.	C. T. Van Santvoord, Agent.	May 1, 1878, to May 1, 1881		1,500 per ann.	By Public Sale, March 14, 1878.
Pier at 26th street.	David Tracy.	(Dispossessed May 26, 1877)	1,005 per ann.		By Public Sale, March 31, 1875.
Pier at 26th street.	C. T. Van Santvoord, Agent.	May 1, 1878, to May 1, 1881		750 per ann.	By Public Sale, April 22, 1875.
Pier at 28th street.	Heinrich A. Tiedemann.	May 1, 1876, to May 1, 1879		390 "	By Public Sale, March 7, 1876.
Pier at 30th street.	David Tracy.	(Dispossessed May 26, 1877)	3,000 per ann.		By Public Sale, March 31, 1875.
Pier at 30th street.	Thomas Fitzpatrick.	May 1, 1878, to May 1, 1881		1,800 per ann.	By Public Sale, April 22, 1878.
Land under water for Pier at 33d street.	N. Y. Central and Hudson River R. R. Co.	Nov. 1, 1873, to Nov. 1, 1883		5,000 "	By Resolution, September 13, 1873.
Pier at 34th street.	David Tracy.	(Dispossessed May 26, 1877)	3,900 per ann.		By Public Sale, March 31, 1875.
Berth, south side Pier at 34th street.	Scott & Co.	At pleasure of the Board.	75 per mo.		By Resolution, June 15, 1877.
Berth, south side Pier at 34th street.	H. F. Hunt.	At pleasure of the Board.	5 per day.		By Resolution, July 16, 1877.
Pier at 34th street.	Scott & Co.	May 1, 1878, to May 1, 1881		3,020 per ann.	By Public Sale, March 14, 1878.
Pier at 35th street.	David Tracy.	(Dispossessed May 26, 1877)	2,925 per ann.		By Public Sale, March 31, 1875.
Berth, south side Pier at 35th street.	Empire City Ice Co.	At pleasure of the Board.	75 per mo.		By Resolution, June 15, 1877.
Float at 36th street.	Charles P. Martin.	At pleasure of the Board.		50 per ann.	By Resolution, May 23, 1877.
Pier at 37th street.	Thomas Gaynor.	May 1, 1876, to May 1, 1879		930 "	By Public Sale, March 7, 1876.
Pier at 40th street.	David Tracy.	(Dispossessed May 26, 1877)	4,600 per ann.		By Resolution, September 21, 1874.
Extension to Pier at 43d street.	James McClellan.	May 1, 1878, to May 1, 1881		1,500 per ann.	By Public Sale, April 15, 1878.
Pier at 46th street.	Knickerbocker Ice Co.	At pleasure of the Board.		100 "	By Resolutions, September 25 and November 21, 1873.
Pier at 46th street.	David Tracy.	(Dispossessed May 26, 1877)	3,005 per ann.		By Public Sale, March 31, 1875.
Pier at 47th street.	Herman Hastorf.	May 1, 1875, to May 1, 1878	1,550 "		By Public Sale, March 31, 1875.
Pier at 47th street (except reservation for dump).	Thomas Fitzpatrick.	May 1, 1878, to May 1, 1881		750 per ann.	By Public Sale, April 22, 1878.
Platform at 50th street.	James Gillies.	At pleasure of the Board.		100 "	By Resolution, April 15, 1875.
Pier at 51st street.	Frederick Broege.	May 1, 1875, to May 1, 1878	1,300 per ann.		By Public Sale, March 31, 1875.
Pier at 51st street.	Martin Karl.	May 1, 1878, to May 1, 1881		1,500 per ann.	By Public Sale, April 15, 1878.
Pier at 55th street.	Western Union Telegraph Co.	May 1, 1876, to May 1, 1879		810 "	By Public Sale, March 7, 1876.
Pier at 57th street.	David Tracy.	(Dispossessed May 26, 1877)	2,500 per ann.		By Public Sale, March 31, 1875.
Pier at 57th street.	Alfred J. Sergeant.	May 1, 1878, to May 1, 1879		1,070 for term.	By Public Sale, April 15, 1878.
Land under water, for Pier at 59th street.	N. Y. Central and Hudson River R. R. Co.	Nov. 1, 1877, to Nov. 1, 1887		1,000 per ann.	By Resolutions, August 16, 1876, and November 7, 1877.
Land under water, between 60th and 65th streets (for erection of two piers).	N. Y. Central & Hudson River R. R. Co.	Aug. 1, 1874, to Aug. 1, 1884	2,500 per ann. to Aug. 1, '77	5,000 per ann. from Aug. 1, '77	By Resolution, June 22, 1874.
Pier at 70th street.	James Slattery.	May 1, 1876, to May 1, 1879		260 per ann.	By Public Sale, March 7, 1876.
Pier at 70th street.	Theodore F. Tone.	May 1, 1878, to May 1, 1881		115 "	By Public Sale, April 15, 1878.
Pier at 72nd street.	Heinrich A. Tiedemann.	Dec. 1, 1875, to May 1, 1878	510 per ann.		By Public Sale, November 5, 1875.
Pier at 72nd street (except reservation for dump).	Theodore F. Tone.	May 1, 1878, to May 1, 1881		250 per ann.	By Public Sale, April 15, 1878.
Bulkhead between southerly line of 130th street and Pier at 131st street.	Mutual Benefit Ice Co.	May 1, 1878, to May 1, 1881		250 "	By Public Sale, April 15, 1878.
Pier at 131st street.	Herman Hastorf.	May 1, 1875, to May 1, 1878	1,000 per ann.		By Public Sale, March 31, 1875.
Bulkhead north of Pier at 131st street.	Nicholas Rogers (Assignee).	June 1, 1875, to June 1, 1878		100 per ann.	By Public Sale, June 10, 1875.
Pier at 131st street and northerly bulkhead extending to retaining wall.	Theodore F. Tone.	June 1, 1878, to June 1, 1881		750 "	By Public Sale, April 15, 1878.
Pier at 152d street.	Theodore F. Tone.	May 1, 1878, to May 1, 1881		25 "	By Public Sale, March 14, 1878.
<b>East River.</b>					
Pier 1 and 8 1/2 feet bulkhead easterly.	John H. Starin (Assignee).	May 1, 1874, to May 1, 1884		\$10,000 per ann.	By Resolution, January 19, 1874.
Bulkhead, etc., west of Pier 1.	Staten Island Railway Co.	Nov. 1, 1877, to Nov. 1, 1882		4,200 "	By Public Sale, October 25, 1877.
East half Pier 4 and west half Pier 5 and bulkhead between.	N. Y. Central & Hudson R. R. Co.	May 1, 1876, to May 1, 1886		6,010 "	By Public Sale, March 7, 1876.
Platform at bulkhead between Piers 4 and 5, etc.	N. Y. Central & Hudson R. R. Co.	May 1, 1876, to May 1, 1886		800 "	By Resolutions, May 10 and 16 and June 28, 1876.
East half Pier 5 and west half Pier 6 and bulkhead between.	N. Y. Central & Hudson R. R. Co.	May 1, 1876, to May 1, 1886		9,000 "	By Public Sale, March 7, 1876.
East half Pier 6 and bulkhead adjoining.	Edward L. Donnelly.	Dec. 1, 1875, to May 1, 1878	\$2,900 per ann.		By Public Sale, November 5, 1875.
East half Pier 6 and bulkheads adjoining.	William Lloyd.	May 1, 1878, to May 1, 1886		5,600 per ann.	By Public Sale, April 15, 1878.
Pier 7.	Erie Railway Co. (Assignee).	Dec. 1, 1875, to May 1, 1878	6,150 per ann.		By Public Sale, November 5, 1875.
Pier 7.	N. Y. Lake Erie and Western R. R. Co.	May 1, 1878, to May 1, 1881		5,000 per ann.	By Public Sale, April 22, 1878.
West half Pier 8 and bulkheads adjoining.	Erie Railway Co. (Assignee).	Feb. 1, 1876, to May 1, 1877		6,600 "	By Public Sale, January 25, 1876.
West half Pier 12 and part bulkhead adjoining.	David Tracy.	(Dispossessed May 26, 1877)	4,200 per ann.		By Public Sale, November 5, 1875.
West half Pier 12 and bulkhead adjoining.	William Lloyd.	May 1, 1878, to May 1, 1881		3,855 per ann.	By Public Sale, March 14, 1878.
East half Pier 18.	Thomas I. Madge.	May 1, 1876, to May 1, 1879		3,715 "	By Public Sale, April 21, 1876.
Bulkhead between Piers 18 and 19.	Thomas I. Madge (Assignee).	Dec. 1, 1875, to May 1, 1878	255 per ann.		By Public Sale, November 5, 1875.
Platform at bulkhead between Piers 18 and 19.	Thomas I. Madge.	May 1, 1876, to May 1, 1878	375 "		By Resolution, April 26, 1876.
Bulkhead between Piers 18 and 19, including platform.	John E. Stow (Assignee).	May 1, 1878, to May 1, 1881		250 per ann.	By Public Sale, April 15, 1878.
West half Pier 19.	Alexander Mason and Robert Foster.	May 1, 1875, to May 1, 1878	5,210 per ann.		By Public Sales, March 31 and April 22, 1875.
Bulkhead between Piers 20 and 21.	Alexander Mason.	May 1, 1878, to May 1, 1881		4,500 per ann.	By Public Sale, March 14, 1878.
Platform south of Pier 20.	West India Fruit Dealers' Association.	May 1, 1876, to May 1, 1879		6,250 "	By Public Sale, March 7, 1876.
East half Pier 20.	C. H. Mallory & Co.	At pleasure of the Board.		200 "	By Resolution, March 27, 1878.
East half Pier 20.	C. H. Mallory & Co.	Aug. 15, 1873, to Aug. 15, 1878		8,000 "	By Resolution, July 2, 1873.
West half Pier 21.	Thomas O'Rourke.	Aug. 15, 1878, to Aug. 15, 1883		5,000 "	By Public Sale, March 14, 1878.
West half Pier 21.	Thomas O'Rourke.	May 1, 1875, to May 1, 1878	3,010 per ann.		By Public Sale, April 22, 1875.
Outer half, east side Pier 22.	Morrisania Steamboat Co.	May 1, 1878, to May 1, 1881		3,000 per ann.	By Public Sale, March 14, 1878.
Part of outer end, west half, Pier 23.	John H. Lynch.	May 1, 1876, to May 1, 1879		2,750 "	By Public Sale, March 7, 1876.
West side Pier 23, being 21 feet of outer end.	John H. Lynch.	June 1, 1875, to June 1, 1878		2,310 "	By Public Sale, June 10, 1875.
East half Pier 24 and half bulkhead adjoining.	Hartford & N. Y. Steamboat Co.	June 1, 1878, to June 1, 1879		2,020 for term.	By Public Sale, March 14, 1878.
West half Pier 25 and half bulkhead adjoining.	New Haven Steamboat Co.	May 1, 1876, to May 1, 1881		5,710 per ann.	By Public Sale, March 7, 1876.
East half Pier 25 and west half Pier 26 and bulkhead between.	New Haven Steamboat Co.	May 1, 1876, to May 1, 1881		5,510 "	By Public Sale, March 7, 1876.
East half Pier 31 and west half Pier 32 and bulkhead between.	New Haven Steamboat Co.	June 1, 1869, to May 1, 1879		4,250 "	By Commissioners of the Sinking Fund, May 31, 1869.
East half Pier 33 and west half Pier 34 and bulkhead between.	East River Ferry Co.	May 1, 1878, to May 1, 1883		2,500 "	By Public Sale, April 19, 1878.
Platform between Piers 35 and 36.	Philadelphia & New York Steam Navigation Co.	May 1, 1876, to May 1, 1881		10,110 "	By Public Sale, March 7, 1876.
Pier 37 and part of bulkheads on each side, except the dump.	S. F. Shortland & Brother.	At pleasure of the Board.		50 "	By Resolution, May 2, 1877.
Pier 38 and half of westerly bulkhead.	R. Cornell White.	May 1, 1875, to May 1, 1880		3,000 "	By Resolution, October 1, 1874.
Platform between Piers 38 and 39.	Maine Steamship Co.	May 1, 1876, to May 1, 1881		7,510 "	By Public Sale, March 7, 1876.
Pier 40, and half of easterly bulkhead.	Peter Charles.	At pleasure of the Board.		400 "	By Resolution, June 16, 1875.
Pier 41, and part of bulkheads on each side.	Frank and Howard Phelps.	May 1, 1877, to May 1, 1882		5,010 "	By Public Sale, March 12, 1877.
One-inch part of Pier 42.	N. Y. Alexandria & Washington Steamship Co.	May 1, 1876, to May 1, 1879		5,505 "	By Public Sale, April 21, 1876.
Extension to Pier 42.	William F. Buckley.	May 1, 1876, to May 1, 1879		251 "	By Public Sale, April 21, 1876.
Pier 43, except inner half of west side.	N. Y. Floating Dry Dock Co.	May 1, 1873, to May 1, 1878	200 per ann.		By Resolution, April 10, 1873.
Pier 43, except inner half of west side.	Long Island R. R. Co.	May 1, 1875, to May 1, 1878	5,800 "		By Public Sale, March 31, 1875.
Pier 44 and westerly bulkhead.	Joseph Cooper.	May 1, 1878, to May 1, 1881		2,500 per ann.	By Public Sale, April 15, 1878.
Pier 44 and westerly bulkhead.	Alexander Mason and Robert Foster.	May 1, 1875, to May 1, 1878	5,600 per ann.		By Public Sale, March 31, 1875.
Pier 46.	Alexander Mason.	May 1, 1878, to May 1, 1881		4,700 per ann.	By Public Sale, April 15, 1878.
Pier 46.	Alexander Mason and Robert Foster.	Feb. 1, 1876, to May 1, 1878	6,300 per ann.		By Public Sale, January 25, 1876.
Pier 48.	Joseph V. Brown.	May 1, 1878, to May 1, 1881		5,000 per ann.	By Public Sale, April 15, 1878.
Platform between Piers 50 and 51.	Thomas C. Burke.	May 1, 1876, to May 1, 1881		4,300 "	By Public Sale, March 7, 1876.
East half Pier 51.	Harlem River & Port Chester R. R. Co.	At pleasure of the Board.		2,500 "	By Resolution, May 7, 1874.
Small pier and bulkhead between Piers 51 and 52.	David Tracy.	(Dispossessed May 26, 1877)	2,000 per ann.		By Public Sale, April 22, 1875.
West half Pier 52.	David Tracy.	(Dispossessed May 26, 1877)	800 "		By Public Sale, March 31, 1875.
East half Pier 53.	David Tracy.	(Dispossessed May 26, 1877)	2,200 "		



PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.		RIGHT OF TENANCY.
			Leases, etc., Terminated.	Leases, etc., in force on and after May 1, 1878.	
South half Pier 55, and 54 feet of bulkhead adjoining (except outer end of pier).....	Hoelt & Ficken.....	May 1, 1874, to May 1, 1879	.....	\$1,700 per ann.	By Resolution, May 14, 1874.
Outer end of Pier 55.....	Morrisania Steamboat Co.....	At pleasure of the Board.....	.....	500 "	By Resolution, April 8, 1875.
North half Pier 56 and south half Pier 57 and bulkhead between.....	James W. Boyle.....	May 1, 1876, to May 1, 1879	.....	2,255 "	By Public Sale, March 7, 1876.
North half Pier 58 and half bulkhead adjoining.....	Carl Smith & Son.....	June 1, 1875, to June 1, 1878	.....	950 "	By Public Sale, June 10, 1875.
North half Pier 59 and one-half of bulkhead adjoining.....	Carl Smith & Son.....	June 1, 1878, to June 1, 1881	.....	1,000 "	By Public Sale, March 14, 1878.
South half Pier 59 and half bulkhead adjoining.....	Knickerbocker Ice Company.....	June 1, 1875, to June 1, 1878	.....	1,025 "	By Public Sale, June 10, 1875.
South half Pier 59 and one-half of bulkhead adjoining.....	Knickerbocker Ice Company.....	June 1, 1878, to June 1, 1881	.....	1,000 "	By Public Sale, March 14, 1878.
Pier 60.....	John D. Tracy.....	(Dispossessed Mar. 28, 1877)	.....	\$1,505 per ann.	By Public Sale, March 7, 1876.
Bulkhead on north side Rivington street.....	David Tracy.....	(Dispossessed May 26, 1877)	.....	1,014.10 "	By Public Sale, March 31, 1875, and Resolution, July 14, 1875.
Bulkhead (188 feet) on Tompkins street, north of Rivington street.....	James R. Klots.....	May 1, 1877, to May 1, 1880	.....	400 per ann.	By Public Sale, March 12, 1877.
Pier 60 and bulkhead westerly from north side to Tompkins street.....	Joseph V. Brown.....	May 1, 1878, to May 1, 1881	.....	1,850 "	By Public Sale, March 14, 1878.
Pier 61 and 55 feet of northerly bulkhead.....	Henry A. Peck & Co.....	May 1, 1875, to May 1, 1878	.....	1,575 per ann.	By Public Sale, April 22, 1875.
Pier 61 and 55 feet of northerly bulkhead (except reservation for dump).....	Isaac Fowler.....	May 1, 1878, to May 1, 1881	.....	1,250 per ann.	By Public Sale, March 14, 1878.
North half Pier 62.....	Mutual Benefit Ice Co.....	May 1, 1878, to May 1, 1881	.....	600 "	By Public Sale, April 15, 1878.
Bulkhead at Houston street.....	Associates of the Houston Street Ferry.....	May 1, 1874, to May 1, 1879	.....	6,500 "	By Resolutions, April 15 and December 12, 1874.
Pier at 3d street.....	David Tracy.....	(Dispossessed May 26, 1877)	.....	2,800 per ann.	By Public Sale, Mar. 31, 1875.
Berth, at north side pier at 3d street.....	East River Bathing Co.....	May 10, 1877, to Sept. 15, 1877	.....	500 for term	By Resolution, June 15, 1877.
Berth, at north side pier at 3d street.....	East River Bathing Co.....	During summer season of 1878	.....	500 for term	By Resolution, April 24, 1878.
Berth, at north side pier at 3d street.....	H. C. Fuller, Manager (Arrow Ice Co.).....	April 1, 1878, to Oct. 1, 1878	.....	75 per mo.	By resolution, March 27, 1878.
Pier at 5th street, except dump and berth for bath.....	Joseph V. Brown.....	May 1, 1876, to May 1, 1879	.....	405 per ann.	By Public Sale, April 21, 1876.
Bulkhead at 14th street.....	Manhattan Gas-light Co.....	May 1, 1875, to May 1, 1878	.....	550 per ann.	By Public Sale, March 31, 1875.
Bulkhead at 14th street.....	Manhattan Gas-light Co.....	May 1, 1878, to May 1, 1881	.....	600 per ann.	By Public Sale, March 14, 1878.
Bulkhead at 15th street.....	Manhattan Gas-light Co.....	May 1, 1875, to May 1, 1878	.....	550 per ann.	By Public Sale, March 31, 1875.
Bulkhead at 15th street.....	Manhattan Gas-light Co.....	May 1, 1878, to May 1, 1881	.....	600 per ann.	By Public Sale, March 14, 1878.
Bulkhead at 16th street.....	Manhattan Gas-light Co.....	May 1, 1876, to May 1, 1879	.....	525 "	By Public Sale, April 21, 1876.
Extension to pier at 22d street.....	James Savage.....	At pleasure of the Board.....	.....	300 "	By Resolution, October 3, 1877.
Pier at 23d street.....	Joseph V. Brown.....	May 1, 1876, to May 1, 1879	.....	565 "	By Public Sale, April 21, 1876.
Outer end of pier at 23d street.....	New Haven Steamboat Co.....	At pleasure of the Board.....	.....	75 per mo.	By Resolution, May 31, 1877.
Outer end of pier at 23d street.....	Morrisania Steamboat Co.....	At pleasure of the Board.....	.....	500 per ann.	By Resolution, April 8, 1875.
Bulkhead north of 23d street.....	Greenpoint Ferry Co.....	Aug. 1, 1877, to Aug. 1, 1882	.....	2,501 "	By Public Sale, October 11, 1877.
Bulkhead between 23d and 24th streets.....	Chas. E. Heuberger & Co.....	June 1, 1875, to June 1, 1878	.....	1,020 "	By Public Sale, June 10, 1875.
Bulkhead south of 24th street, north of the Ferry premises.....	Joseph V. Brown.....	June 1, 1878, to June 1, 1881	.....	600 "	By Public Sale, April 15, 1878.
Pier at 25th street.....	Heinrich A. Tiedemann.....	May 1, 1876, to May 1, 1879	.....	1,010 "	By Public Sale, March 7, 1876.
Pier at 28th street.....	Joseph V. Brown.....	Feb. 1, 1876, to May 1, 1878	.....	1,550 per ann.	By Public Sale, January 25, 1876.
Bulkhead at 32d street.....	John W. Manning.....	May 1, 1877, to May 1, 1880	.....	45 per ann.	By Public Sale, March 12, 1877.
Pier at 33d street, except outer end.....	David Tracy.....	(Dispossessed May 26, 1877)	.....	650 per ann.	By Public Sale, March 31, 1875.
Pier at 33d street, except outer end.....	Knickerbocker Ice Co.....	May 1, 1878, to May 1, 1881	.....	900 per ann.	By Public Sale, March 14, 1878.
Outer end of pier at 33d street.....	L. I. North Shore Freight and Transportation Co.....	At pleasure of the Board.....	.....	30 per mo.	By Resolution, December 13, 1876.
Bulkhead at 34th street.....	East River Ferry Co.....	Nov. 1, 1877, to Nov. 1, 1882	.....	2,000 per ann.	By Public Sale, September 6, 1877.
Bulkhead at 35th street.....	Garret L. Schuyler.....	May 1, 1877, to May 1, 1880	.....	235 "	By Public Sale, March 12, 1877.
Bulkhead at 36th street.....	Popham & Co.....	May 1, 1877, to May 1, 1880	.....	130 "	By Public Sale, March 12, 1877.
Pier at 37th street.....	David Tracy.....	May 1, 1875, to May 1, 1878	.....	700 per ann.	By Public Sale, March 31, 1875.
Pier at 37th street (except reservation for public bath).....	John Nesbit.....	May 1, 1878, to May 1, 1881	.....	500 per ann.	By Public Sale, March 14, 1878.
Pier at 38th street, except northerly side.....	Henry A. Peck & Co.....	May 1, 1875, to May 1, 1878	.....	730 per ann.	By Public Sale, April 22, 1875.
Pier at 38th street (except reservation for dump).....	Isaac Fowler.....	May 1, 1878, to May 1, 1881	.....	400 per ann.	By Public Sale, April 25, 1878.
Bulkhead at 39th street.....	Watrous & Willson.....	At pleasure of the Board.....	.....	100 "	By Resolution, November 7, 1877.
Bulkhead at 40th street.....	John Ahsbabs.....	At pleasure of the Board.....	.....	100 "	By Resolution, September 26, 1877.
Land under water, for dump, at 45th street.....	Joseph Gallagher.....	At pleasure of the Board.....	.....	100 "	By Resolution, June 15, 1877.
Outer end pier at 46th street, for dump.....	Michael Kane.....	At pleasure of the Board.....	.....	400 "	By Resolution, October 17, 1877.
Extension to bulkhead at 47th street.....	Owens & Co.....	At pleasure of the Board.....	.....	300 "	By Resolution, October 17, 1877.
Bulkhead at 48th street.....	T. B. Tweddle.....	May 1, 1878, to May 1, 1881	.....	150 "	By Public Sale, March 14, 1878.
Bulkhead at 51st street.....	Morrisania Steamboat Co. (Assignee).....	July 1, 1877, to July 1, 1887	.....	305 "	By Public Sale, June 6, 1877.
Land under water, for Pier at 51st street.....	Morrisania Steamboat Co.....	Jan. 1, 1878, to July 1, 1887	.....	50 "	By Resolution, December 19, 1877.
Pier at 53d street.....	Zach. S. Oppenheimer.....	May 1, 1875, to May 1, 1878	.....	325 per ann.	By Public Sale, March 31, 1875.
Pier at 53d street.....	C. H. Eldridge.....	May 1, 1878, to Dec. 1, 1878	.....	250 for term	By Resolution, March 27, 1878.
Land under water, for bulkhead between 56th and 57th streets.....	Schmitt & Koehne.....	At pleasure of the Board.....	.....	50 per ann.	By Resolution, April 27, 1877.
Land under water, for platform north of 62d street.....	Jabez A. Bostwick.....	At pleasure of the Board.....	.....	25 "	By Resolution, March 20, 1878.
Land under water, for platform south of 63d street.....	Ehrenreich Brothers.....	May 1, 1878, to Nov. 1, 1878	.....	25 for term	By Resolution, April 24, 1878.
Land under water, for platform at 63d street.....	Neidlinger, Schmidt & Co.....	June 1, 1874, to June 1, 1884	.....	250 per ann.	By Resolution, May 28, 1874.
Land under water, for bulkhead between 63d and 64th streets.....	Neidlinger, Schmidt & Co.....	May 1, 1874, to May 1, 1884	.....	50 "	By Resolution, February 12, 1874.
Land under water, for bulkhead at 74th street.....	Thomas Patten.....	At pleasure of the Board.....	.....	100 "	By Resolution, November 21, 1877.
Pier at 79th street.....	Heinrich A. Tiedemann.....	Dec. 1, 1875, to May 1, 1878	.....	410 per ann.	By Public Sale, November 5, 1875.
Pier at 79th street.....	Frank E. Wise.....	May 1, 1878, to May 1, 1881	.....	350 per ann.	By Public Sale, April 22, 1878.
Bulkhead or Pier at 86th street.....	James H. Graham.....	Feb. 1, 1876, to May 1, 1878	.....	205 per ann.	By Public Sale, January 25, 1876.
<b>Harlem River.</b>					
Pier at 106th street.....	John Nesbit.....	May 1, 1875, to May 1, 1878	.....	170 per ann.	By Public Sale, March 31, 1875.
Pier at 106th street.....	Harlem & N. Y. Navigation Co.....	May 1, 1876, to May 1, 1879	.....	755 per ann.	By Public Sale, April 21, 1876.
Pier at 117th street.....	Patrick Grace.....	Feb. 1, 1876, to May 1, 1878	.....	201 per ann.	By Public Sale, January 25, 1876.
Pier at 120th street.....	Harlem & N. Y. Navigation Co.....	May 1, 1876, to May 1, 1879	.....	505 per ann.	By Public Sale, April 21, 1876.
Berth for float, at north side Pier at 125th street.....	Edward McGrath and Robert H. Smith.....	At pleasure of the Board.....	.....	25 per quarter	By Resolution, April 24, 1878.
Right to moor floats at steps at either end of Third Avenue Bridge.....	Dillon Ransom.....	Feb. 1, 1876, to May 1, 1878	.....	1,000 per ann.	By Public Sale, January 25, 1876.
Right to moor floats at steps at either end of Third Avenue Bridge.....	A. L. Kerker.....	May 1, 1878, to May 1, 1881	.....	1,200 per ann.	By Public Sale, March 14, 1878.

## REPORT OF THE ENGINEER-IN-CHIEF.

DEPARTMENT OF DOCKS, 117 AND 119 DUANE STREET,  
OFFICE OF THE ENGINEER-IN-CHIEF,  
NEW YORK, May 1, 1878.

EUGENE T. LYNCH, Esq., Secretary of the Board of Docks:

SIR—I have the honor to submit for the consideration of the Board of Commissioners governing this Department the following report of the several works under my supervision during the year ending April 30, 1878:

## BATTERY SECTION.

Embracing the Boat-landing, New Pier No. 1, and Bulkhead Wall, about 80 feet north of New Pier No. 1, N. R.

New Pier No. 1, North River.—During the year Pier No. 1 has been in use for the purposes of commerce.

The blacksmith-shop and tool-house have been removed to Gansevoort street yard, together with the moulds for building the large foundation blocks for the wall after building twenty-six blocks at this place.

The granite mooring-posts were replaced with new ones of cast-iron, a diamond drill being used for boring holes in the pier for the Ahlstrom expansion bolts, by which the iron posts were secured to the pier.

During February and March, 1878, the mud, ashes, and gravel were removed from the rock on each side of the pier, and careful soundings of the depth of water taken, and estimate prepared of cost of blasting the rock, to give greater depth of water, if necessary.

In April, 1878, the Abbott Pavement Company, of Brooklyn, having offered to lay an asphalt pavement on the pier, the wooden deck planking put down last year was taken up, and the pier prepared to receive the asphalt, which is to be put down immediately.

## CHAMBERS STREET SECTION.

Extending from north side of Pier No. 29 northwardly 560 feet.

In December last work was begun on this section by removing parts of Pier 30, old number, and Pier No. 32, and on 31st December dredging was commenced for the wall. The stone filling, preparatory to driving piles, has been put in, and most of the piles, for a length of wall of 160 feet, have been driven at date.

The dredging for the new ferry platform in front of this new wall, between Piers, old No. 29 and No. 30, has also been commenced, and as soon as finished the building of the wall and the ferry platform will be carried on at the same time.

## CANAL STREET SECTION.

Extending from 155 feet southerly of the south side of Pier, new No. 34, to 2.14 feet northerly of the south side of Pier, new No. 35, a distance of 394.20 feet (on the piling). Length of wall, 383.94 feet on the base blocks, and 302.52 on the top course of granite, equivalent to about 370.73 feet of wall built and completed.

The filling behind the wall has been completed, backing log placed on top of the coping, and the plank roadway from pavement of West street to entrance of Pier, new No. 34, renewed, and the whole section has been in use.

## SPRING STREET SECTION.

Extending from 2.14 feet northerly of the south side of Pier, new No. 35, to 64.33 feet northerly of the north side of Pier, new No. 35, a distance of 124.19 feet on the piling. Length of wall, 121.22 feet on the base blocks, equivalent to about 90 feet of wall built and completed.

The crib work of Pier, old No. 43, on line of wall, has been removed on the line of the wall, the site of the wall dredged, and the foundation of the wall completed from north end of Canal street section to about half way between Piers, old No. 43 and old No. 44. The granite remains to be set, and will be done in the latter part of June, and the filling behind the wall will be completed about the middle of July of this year.

Pier, new No. 35.—Pier, old No. 43, being in very fair condition, it was extended 161 feet westerly by 62 feet wide, and upon completion its name was changed to Pier, new No. 35.

A temporary approach, to give access to the pier while building the wall behind it, was built on the southerly side of the pier. The new approach over the new wall will be done and in use about the middle of July.

## CHARLTON STREET SECTION.

Extending from about 74 feet southerly of the south side of Pier, new No. 37, to 28.05 feet northerly of the north side of Pier, new No. 37, a distance of, about 172.14 feet, has been dredged and filled with stone to the 22 feet level. Length of wall, 63 feet on piling, equivalent to about 40 feet of wall built and completed.

Pier, new No. 37.—Pier, old No. 45, being found in good condition for several years' service, it was lengthened westerly 140 feet by 70 feet wide, and re-named Pier, new No. 37. About 160 feet of the shed on the inner end was taken down and rebuilt on the new outer end of the pier. A temporary approach, to give access to the pier while the wall is being built in its rear, was built on the northerly side of the pier.

Bulkhead Wall.—As soon as the extension to Pier, late old No. 45, new No. 37, and the temporary approach to the pier were built, the old pier on line of the wall was removed, and the dredging, both mud and crib-work, done. At this point, next to the Old King street section, the soft mud is of greater depth than usual, requiring the removal by dredging of a much larger amount than on most of the other sections, and rendering necessary the use of very long piles, and consuming much time to drive them; 15,400 cubic yards of mud and 2,780 cubic yards of crib-work were removed from site of the wall 170 feet in length. 196 piles, 75 feet and upwards in length, have been driven to date, and the most difficult and tedious part of the work being done, the wall proper will now be completed about 1st of October next. The filling behind the wall, building the inner end of Pier, new No. 37, and moving the shed now standing in rear of the wall upon the inner end of the new pier, can probably be done in the autumn, and the section completed.

## OLD KING STREET SECTION.

Extending from about 28.05 feet northerly of the north side of Pier, new No. 37, to 7.04 feet southerly of the south side of Pier, new No. 38, a distance of 148.41 feet.

Length of wall: 148.41 feet on the foundation course, and 140.48 feet on the top course of granite, equivalent to about 147.75 feet of wall built and completed.

This section was completed by finishing the coping on the wall and setting backing logs upon it. The filling was completed, 10,073 loads being received in all, of which 6,889 were from the Street Cleaning Bureau.

## NEW KING STREET SECTION.

Extending from 7.04 feet southerly of the south side of Pier, new No. 38, to 32.37 feet northerly of the north side of Pier, new No. 38, a length of 114.49 feet of wall built and completed.

The wall at this section was particularly described in report for 1877. The section has been entirely completed and put in use during the past year, a plank roadway being built across the filling from pavement of West street to Pier, new No. 38.

Old Pier No. 46 has been removed, the site dredged to 25 feet depth at mean low water, and Pier, new No. 38, at foot of King street, built.

The dimensions of Pier, new No. 38, are 587 feet by 75 feet. It was built by contract by Mr. J. E. White, and completed February 27, 1878. A single story shed has been built upon the pier by its lessees, plans for which were approved by me before commencing the work.

## LOWER CLARKSON STREET SECTION.

Extending from 32.37 feet northerly of the north side of Pier, new No. 38, to 4.72 feet southerly of the south side of Pier, new No. 39, a length of 152.91 feet. Length of wall built and completed, 152.91 feet.

The work of setting the granite on this section, which was commenced last year, was completed in June, 1877. The coping, and backing log upon the coping have also been set and the filling



completed. The whole section has been in use since November, 1877; 24,507 loads of filling were received, of which 12,646 were from the Street Cleaning Bureau.

#### HOUSTON STREET SECTION.

Extending from 4.72 feet southerly of the south side of Pier, new No. 39, to 30.09 feet northerly of the north side of Pier, new No. 39, a distance of 109.89 feet.

Length of wall built and completed, 109.89 feet. The concrete foundation blocks were set at the beginning of last year, and the granite was finished July 10, 1877. The temporary sewer box was built, the inshore end of Old Pier No. 47 removed, and the filling put in, in rear of wall. A plank roadway has been made over the filling from pavement of West street to Pier, new No. 39.

Pier, new No. 39, North River.—Pier, new No. 39, was completed on July 27, 1877, by Messrs. T. & A. Walsh, contractors. It is 75 feet by 582 feet. The lessees of this pier, the National Steamship Company, have built over it a two-storied shed. The posts and girders of this shed are of wrought iron, and rest upon piles driven through the deck of the pier after its completion, for the special purpose of carrying the weight in the upper floor of the shed. The plans for this shed were made for the National Steamship Company by C. McDonald, Esq., C. E., and were submitted to and approved by me before commencing the erection of the shed.

#### UPPER CLARKSON STREET SECTION.

Extending from 30.09 feet northerly of the north side of Pier, new No. 39, to 55.40 southerly of the south side of Pier, new No. 40, a distance of 102.51 feet. Length of wall, 102.51 feet on the foundation course, and 22.20 feet on the top course of granite. Equivalent length of wall built and completed, about 87.74 feet.

The foundation blocks were set on this section last year, and the platform, as recommended by Board of Engineers for such cases, was built by Messrs. McIntire Brothers, contractors, and finished July 24, 1877.

The granite has been set 57 feet north of Pier, new No. 39, and the coping 52 feet north of said pier. The filling has been put in over the platform, in rear of the granite, and carried as far north as practicable, until the Leroy street section, now being built from the northward, southerly, is extended to meet this section.

#### LEROY STREET SECTION.

Extending from 55.40 feet southerly of the south side of Pier, new No. 40, to 25.94 feet southerly of the south side of Pier, new No. 42, a distance of 561.46 feet. Length of wall, 429.64 feet on foundation course, and 428.04 feet on the top course of granite. Equivalent length of wall built and completed, about 429.4 feet.

On this section, at date of last annual report, the mud had been dredged for a distance of 183 feet from its northerly end, and the lower portion of rip-rap and cobbles put in, and driving of foundation piles for this portion of the section begun.

Within the past year the portion then begun has been completed, filled in and put in use. Pier, new No. 41 (late old No. 49), has been cut through and the wall built through it, and the pier restored.

The ferry-house of the Central Railroad of New Jersey has been moved out of the way, and the wall completed across the slip to the northerly side of the ferry-house, and the ferry-house replaced.

The last of the filling behind this wall is now being put in, and the coping and backing logs are about ready to be put in place, so that the whole distance from southerly side of Pier, new No. 42, foot of Morton street, North river, to northerly side of Pier, old No. 48, foot of Clarkson street, will be completed by June, 1878.

The dredging for Pier, new No. 40, was begun April 9, 1878, and plans and specifications for removing old Pier, No. 48, and building new Pier, No. 40, are being prepared.

On 29th April, 1878, the Board gave orders for the completion of this section by building the wall through Pier, old No. 48, and the work of removing the old pier is begun at this date.

All the bulkhead wall built during the past year, except upper Clarkson street section, has been upon the plan submitted to the Board on 5th April, 1876, with such modifications in details as experience has suggested. This plan was described and illustrated in the last annual report. The results are considered very satisfactory, and the average cost promises to differ but little from the estimated cost in the last annual report, viz.: about \$200 per lineal foot.

#### MORTON STREET SECTION.

Extending from 25.94 feet southerly of the south side of Pier, new No. 42, to 50.39 feet northerly of the north side of Pier, new No. 42, a distance of 151.33 feet. Length of wall built and completed, 151.33.

This section was virtually finished and put into use in October, 1876. All that has been done upon it within the past year was the filling in of the southerly end of the racking of the masonry, and completing it to the beginning of the Leroy street section. A small sewer box was also built to extend the sewer from Morton street to the wall.

#### CHRISTOPHER STREET SECTION.

Extending from 50.39 feet northerly of the north side of Pier, new No. 42, to 6.92 feet southerly of the north side of Pier, new No. 47, a distance of 1,114.80.

Length of wall: 1,144.80 on the blocks, and 1,095.22 feet on the top course granite. Equivalent length of wall built and completed, 1,111.51 feet.

Upon this section, which was finished in 1874, the work done by the Department has been the dredging of slips of the "shifting pier," Pier, new No. 46, and painting and keeping in order the sheds on Piers, new No. 43 and new No. 46.

In April, 1878, the "Oceanic Steam Navigation Company" (White Star Line), laid a railway track and switches from the New York Central & Hudson River Railroad Company's line in West street to Pier, new No. 45, of which they are the lessees, and laid two branch tracks upon the pier. This is the first case in the city where a steamship line has such a connection with a railroad leading all over the country.

#### FLOATING PROPERTY.

Owing to the intermittent nature of certain work of the Department, and the expense consequent upon maintaining a force and plant always ready for work, but without constant employment, it was proposed, early in 1877, to sell or lay up part of the floating property, and have the work of dredging done by private parties.

On 20th June, 1877, the Board ordered a part of the property to be sold at public sale, and on the 22d of same month ordered all the dredging-machines and mud-scows remaining to be laid up.

The tug "Alert," dredges Nos. 1 and 2, dredging mud-scows Nos. 13, 14, 15, 16, 17, and 18, pile-driver No. 4, and the deck scow "Two Sisters," having been sold at public sale in obedience to above-mentioned order of the Board, the floating property consists at present of the following:

100-ton derrick "City of New York."

10-ton derrick.

Derrick scow "Joe."

Tug "Manhattan."

Dredge No. 3.

Dredge No. 4.

12 dredging mud-scows, Nos. 1 to 12.

8 pile-drivers, Nos. 1, 2, 3, 5, 6, 7, 8, and 9.

8 deck scows, "B," "C," "D," "E," "F," "May," "Willie," and "Jim."

Boring machine "Woodcock," and

2 divers' scows.

The derrick "City of New York" is in good working order, no repairs having been made during the year other than those made by the crew and the Department workmen, consisting of painting and fitting graving pieces in the upper parts of the tower timbers and king-post supports in places where decay had begun. Having been in the water for nearly seven years, it will be necessary to dock her soon for examination, and possibly for renewal of the sheathing. The derrick has during the year set 56 beton base blocks, at various sections, for the bulkhead wall, besides having been employed in raising pile-drivers, for caulking, righting overturned scows for Police Department, pulling piles, and shifting trusses on Pier, old No. 45, North river.

The 10-ton derrick has been painted and kept in good repair, and has laid all the granite for the bulkhead wall. A boom 56 feet long has been fitted to enable the derrick to set granite from the inside of the wall.

The derrick scow "Joe" is in good order, ready for service.

The tug "Manhattan" has been docked and cleaned, the hull and upper works painted, and the deck has been caulked. Extensive repairs have been made to the boiler. The tug has done all the towing required by the Department, except for eight days when laid up, and excepting that done by the tug "Alert" in May and June. By reducing the crew to the smallest number consistent with safety, the cost of towing for the last six months, including wages, coal, and supplies, and all repairs, has been \$5.88 per hour of actual service.

Since the dredging plant was laid up by resolution of the Board of June 22, no work has been done by it excepting the excavation of 4,560 cubic yards of material at Pier, new No. 1, North river. The dredges have been painted and kept clean, and can be made ready for service at a few days' notice.

It being necessary to remove the above-mentioned quantity of material from the slips at New Pier No. 1, North river, with great care and slowness, to avoid injuring the foundations of the sub-piers, and it being found that the prices demanded by private parties for the work were greater than it could be done for by the Department forces and machinery, Dredge No. 3 was put in commission for this job, and, upon its completion, laid up again.

Of the dredging mud-scows, eight, Nos. 5, 8, 10, 11, 12, 15, 16, and 18, have been docked and caulked, and all have been kept in good order. They have been hired to various parties during the year, and at present ten of them are in use by the Union Dredging Company.

The pile-drivers are in good order. Nos. 2, 3, 7, 8, and 9 have been taken out and caulked. The ways of No. 2 have been lengthened to 58 feet, and "inspirators" have been applied to the boilers of Nos. 2, 5, 6, 7, and 9. No. 5, fitted for pile cutting, has sawed off during the year 1,979 piles below water.

The deck scows, "B," "C," "D," "E," and "F," are in good condition, and the "Willie," "May," and "Jim," are still good for such service as is required of them, although they are old and somewhat decayed.

The boring machine, "Woodcock," has done no work during the year, except the ten days it was hired to the New York Central & Hudson River Railroad Company. It is now laid up at Gansevoort street yard ready for service.

The two divers' scows are in good order.

#### SURVEYING PARTY.

In connection with the construction, the work of the surveying party has consisted of soundings for dredging, estimates for dredging, an immediate supervision of the dredging, measurements of rip-rap, small cobble and concrete stone, and of sand as delivered by contractors, soundings, from time to time, upon the stone as placed in the foundation, and lines and levels at the various stages of the work. The base line from Canal street to Warren street has been completed, and stone monuments placed about 300 feet apart, from which surveys have been made of existing structures, piers, bulkheads, etc., with classification of crib and pile work foundations. Maps of this have been prepared showing the details of the work.

Surveys have been made at various points on the North, East, and Harlem rivers, covering an extent of 13,700 feet of water front, from which maps have been prepared showing existing structures and their position relative to proposed bulkhead lines. A survey was also made of Hart's Island, in Long Island Sound, with a view to proposed improvements by the Department of Charities and Correction. Estimates and plans were prepared for proposed bulkheads.

Soundings have been taken in two hundred slips on the North, East, and Harlem rivers, aggregating 16,000 soundings, of which 4,000 were in connection with construction, and 12,000 for dredging at leased piers and other purposes. These are properly recorded in this office.

Borings were taken to the bed-rock in slips adjacent to Pier, new No. 1, North river, and placed on record, also, occasionally, in other slips on the North and East rivers, for proposed improvements.

An immediate supervision has been maintained of all dredging done, and daily certificates given for work performed.

In January a regular series of tidal observations was instituted, for the purpose of verifying, after sufficient data shall have been acquired, the planes of mean high water and mean low water, already established, the extreme tides, the duration of the tide below mean low water, and other points of importance in connection with the tide, in its relation to the construction of the wall and piers.

The apparatus is placed in an office which is situated immediately over the water. It consists of a vertical wooden box, reaching from the floor of the office to several feet below mean low water and is constructed so as to destroy the oscillation due to wave motion, without retarding the flow of the water. In this tube is a metallic float, to which is attached a fine steel wire, which passes up through the floor and over a pulley at the top of the gauge, being kept taut by a counter-balance weight. A brass pointer attached to this wire rising and falling with the tide, indicates the stage of the tide on a graduated gauge. The readings in feet and hundredths are taken every half hour, day and night, by the watchman at the section. By means of a pen fastened to the pointer, the extreme tides are marked on a strip of paper attached to the gauge. A permanent record is kept of these observations, and the tidal curves are plotted therefrom. Two of these gauges are now in operation, one at Christopher street section, and one at Chambers street section.

Plans have been prepared for a self-recording gauge, which will not only give increased accuracy, but will also obviate the necessity of having a constant observer. It is proposed to have this gauge made and put in operation during the coming year.

#### FIFTY-FOURTH STREET, EAST RIVER.

A small wooden crib work pier, 60 feet wide and 36 feet long, was built during the month of April, under contract, by John Gillies. It was finished on May 1, 1878.

#### FIFTY-SEVENTH STREET, NORTH RIVER.

An embankment of earth and stone to inclose a space for the dumping of ashes and other suitable material by the Police Department was commenced August 14, 1877, at a point about 310 feet westerly of west line of Eleventh avenue on the northerly line of Fifty-sixth street, North river, extending westerly therefrom about 230 feet, and thence parallel to Eleventh avenue, across Fifty-seventh street to the southerly line of Fifty-eighth street. The Police Department dumped 1,157 loads therein.

#### GANSEVOORT STREET YARD.

In September, 1877, the making of the concrete base blocks for the wall was removed from Pier No. 1 to this yard. A platform 240 feet long by 28 feet wide was built on the bulkhead in front of the yard. Pier No. 57, foot of Bogart street, was repaired and strengthened, the shed for storing cement removed here from Pier No. 1, and a small railway and other facilities built. Forty-two (42) base-blocks, containing 1,387 cubic yards of concrete, were built, part of which have already been used in the wall, and the remainder will be used during the coming summer.

All the tests of cement purchased by the Department have been made at this yard as usual, and the general store and the blacksmith shop of the Department are also at this yard.

#### EAST SEVENTEENTH STREET YARD.

At this yard has been received all the granite purchased by contract during the past year for building the bulkhead wall, and from here, after inspection, transferred in scows to the different sections, as required by the progress of the work. Cement has also been stored here, and iron work for the piers, both of which have been issued as required.

A summary of the journal of the work done at each section and at the yards, and also a list of the items of general repairs and of the dredging done, is given in the appendix, and also a schedule of items of work, repairs, etc., done by private parties under my general supervision.

Very respectfully, your obedient servant,

G. S. GREENE, JR., Engineer-in-Chief.

#### APPENDIX.

##### Summary of Journal of the Work done during Year ending April 30, 1878.

BATTERY SECTION, NEW PIER NO. 1 NORTH RIVER.—May 1 to August 18, 1877. Finished work on the wooden corner buffers at the end of the pier. Pointed the masonry joints in the last four arches. Made twenty-six beton foundation blocks for the bulkhead wall. Discharged 164 cubic yards of rip-rap under arches Nos. 16 and 17.

August 11 to September 24. A crack in the corner of arch No. 3, extending entirely across the pier, was cut out and filled in with mortar.

August 18 to September 1. The cement storehouse and the adjoining fence were taken down, and together with all the materials used in the manufacture of the beton blocks were removed to Gansevoort street yard.

March 15 to April 11, 1878. Removed all the granite mooring posts and replaced them with cast-iron ones, drilled the holes for bolting six of them to the deck by hand, and the holes for the remaining fourteen by the diamond drill.

February 2 to March 30. Dredged out 2,180 cubic yards of ashes and mud from the slip north of the pier, and from the south side 2,340 cubic yards. After the dredging was finished, made an examination by the aid of divers with reference to blasting out the rock, so as to give a uniform depth of at least twenty-five feet.

April 22 to April 30. Removed the wooden deck and prepared the pier for receiving an asphalt pavement.

CHAMBERS STREET SECTION.—December 4, 1877. Commenced removal of outer end of old Pier No. 30, North river, tearing away 108 feet to allow Erie Railroad Company to repair ferry racking—finished December 7.

December 7. Commenced removal of outer end of old Pier No. 32, North river, for a distance of 126 feet. The Morris & Cumings Dredging Company commenced December 17, 1877, removing old crib-work (on the site of the part removed), and finished January 8, 1878, having removed 1,764 cubic yards of crib-work and 1,862 cubic yards of mud, and obtaining an average depth of twenty-five feet below mean low water.

December 14. Two test piles were driven and pulled out, site of bulkhead wall between old Piers Nos. 29 and 30, North river.

December 31. The Morris & Cumings Dredging Company commenced work for bulkhead wall between old Piers Nos. 29 and 30, North river, for a length of 165 feet by 90 feet in width, and finished January 19, 1878, having removed 14,957 cubic yards of mud, and obtaining an average depth below mean low water of thirty-five feet. Commenced cutting into old Pier No. 30 (in line of new wall) to allow of dredging up to line of old crib-work underneath—finished January 7, 1878.

January 9, 1878. The building of a crib 23½ feet in length (parallel to line of wall) 35 feet in width or transversely, and 30 feet in height, to retain stone filling and earth in rear of new wall, at the south end was commenced this day, and finished and placed in position January 22, 1878.

January 22. The stone filling over area of new wall was commenced and finished March 4, 1878, 2,540 cubic yards of cobbles and 1,959 cubic yards of rip-rap having been deposited, bringing the filling up to an average of twenty-three feet below mean low water. Being unable to procure stone filling, the work was entirely suspended from February 2 to February 14, 1878.

March 5. Commenced driving piles for new wall at the north end of section, and to date (April 30, 1878) 405 vertical and 51 bracing piles have been driven.



March 23. Cobbles between piling and rip-rap in front and rear of same brought up to bottom of binding frames, or eighteen feet below mean low water; 1,012 cubic yards of cobbles and 863 cubic yards of rip-rap having been used.

April 3. Put down and fastened first binding frame, and to date five frames are in position and fastened.

April 27. The Union Dredging Company commenced dredging for ferry platform between old Piers Nos. 29 and 30, and to date have removed 3,770 cubic yards of mud.

CANAL STREET SECTION.—May 5, 1877. Finished discharging cobbles on embankment in the rear of the wall.

May 5 to June 5. Placed backing log on the coping.

July 2 to 10. Laid new plank roadway between West street and Pier New No. 34.

To November 27. Received 27,929 loads of earth filling in the rear of the wall.

SPRING STREET SECTION.—September 15 to November 20. Extended Pier, new No. 35, 62x161 feet.

October 5 to 27. Built approach to Pier, new No. 35, beyond bulkhead.

October 29 to November 1. Cut through Pier, old No. 43.

October 30 to November 16. Dredged for wall.

November 17. Commenced putting in cobbles and rip-rap; to date, 4,411 yards deposited.

December 11, 1877, to April 4, 1878. Drove piles for wall, for a length of 124.19 feet, measured to centre of last row.

January 8 to April 23, 1878. Set ten béton blocks a length of 120.94 feet.

February 18. Commenced capping, and to date 323 feet of longitudinal and 14 transverse caps have been fitted.

CHARLTON STREET SECTION.—October 1 to December 8, 1877. Extended Pier, new No. 37, 70.8x140.5 feet.

December 8 to 21. Removed 160 feet of shed on Pier, old No. 45.

December 13 to 18. Dredged at end of Pier, new No. 37.

December 22, 1877, to January 29, 1878. Erected shed on Pier, new No. 37.

January 17 to February 9, 1878. Removed 151 feet of Pier, old No. 45.

February 12 to March 14. Dredged for wall foundation 170 feet in length.

March 11. Commenced discharging stone filling, and to date 5,539 cubic yards rip-rap and cobbles have been deposited.

April 5. Commenced driving piles for wall foundation, and to date 196 piles have been driven.

KING STREET SECTION (OLD).—September 21 to 22. Set coping, making a length of 138.36 feet; received 10,073 loads of filling, of which 6,889 were from the Street Cleaning Bureau, Department of Police.

KING STREET SECTION (NEW).—May 12, 1877. Commenced filling in rear of the wall, and to date 22,446 loads of filling have been discharged, 5,006 of which were from the Street Cleaning Bureau, Department of Police.

May 26. Finished setting granite 122.09 feet on "E" course.

May 29. Finished laying deck on capping.

June 8. Finished sewer box, 2' 6" by 3' 4" section, 166 feet long.

June 27 to July 2. Took up deck of Pier, old No. 46.

August 14, 1877, to April 2, 1878. Dredged for Pier, new No. 38, and in slips adjoining.

August 31 to September 25, 1877. Contractor removed shed and that part of Pier, old No. 46, beyond the wall.

September 22 to 29. Set coping for a length of 41.53 feet.

October 3 to 18. Removed the inshore end of Pier, old No. 46.

October 5, 1877, to February 27, 1878. Contractor J. E. White built Pier, new No. 38, 75 by 587 feet.

LOWER CLARKSON STREET SECTION.—May 21 to June 21, 1877. Set the granite and backed it with concrete and rubble blocks a length of 149.7 feet on "E" course. Finished.

June 6. Commenced receiving filling, and to date 24,507 loads have been received, 12,646 of which were from the Street Cleaning Bureau, Department of Police.

August 8 to 28. Removed the platform adjoining the old bulkhead.

September 26 to 29. Set coping for 152.91 feet in length.

October 23 to November 5. Laid backing logs on coping.

HOUSTON STREET SECTION.—May 14 to 22. Set nine béton blocks, a length of 109.89 feet.

May 22. Finished pile work; length, 109.83 feet.

May 26 to September 4. Removed inshore end of Pier, old No. 47.

June 2 to 21. Built a sewer, 2' 8" by 3' 6" section, 182.39 feet long.

June 9. Finished the capping.

June 19 to July 10. Set granite 108.57 feet in length on "E" course.

July 6. Commenced filling in the rear of the wall, and to date 34,809 loads of filling have been received, 2,351 of which were discharged by the Street Cleaning Bureau, Department of Police.

July 27. Contractors T. & A. Walsh finished Pier, new No. 39, 75' by 582'.

October 8 to 10. Set coping a length of 34.81 feet.

February 5 to 9, 1878. Laid plankway to Pier, new No. 39.

February 9 to March 5. Dredged slips alongside Pier, new No. 39.

UPPER CLARKSON STREET SECTION.—July 5 to August 31, 1877. Set granite 27.29 feet on "E" course.

July 24. Contractors McIntire Bros. finished platform 100 by 50 feet in rear of wall.

August 7 to 30. Put in rip-rap and cobbles on and in rear of platform, and to date 1,983 cubic yards have been deposited.

August 25. Commenced filling in rear of wall, and to date 1,195 loads have been discharged.

October 10 to 11. Set coping a length of 22.20 feet.

LEROY STREET SECTION.—June 6 to 20. Moved the N. J. C. R. R. Ferry-house 150 feet east-erly to make way for building the wall.

June 14, 1877, to March 2, 1878. Fitted capping.

June 20 to 29, 1877. Took up 120 feet of N. J. C. R. R. Ferry platform.

June 26, 1877, to February 16, 1878. Set 36 béton blocks a length of 429.64 feet.

August 4, 1877, to April 6, 1878. Finished setting granite, a length of 428.03 feet on "E" course.

September 1 to 11, 1877. Built approach to Pier, new No. 41.

September 12 to 17. Cut through Pier, old No. 49.

September 25. Commenced filling in rear of wall, and to date 52,460 loads have been discharged, 9,314 of which were from the Street Cleaning Bureau, Department of Police.

October 29. Finished dredging for wall 429.64 feet in length.

November 21 to 23. Set coping a length of 103.72 feet.

January 11 to February 9, 1878. Connected N. J. C. R. R. Ferry platform with wall.

January 14 to February 23. Built a sewer box 2' 3" by 3' 6" section, 180 feet long; foot of Leroy street.

February 25. Finished driving piles for wall foundation.

March 25 to 30. Moved back to line of wall N. J. C. R. R. Ferry-house.

March 25 to April 10. Connected Pier, new No. 41, with wall.

April 9. Commenced dredging for Pier, new No. 40.

April 15 to 19. Laid plankway to Pier, new No. 41.

MORTON STREET SECTION.—June 26, 1877. Set one béton block, making a length of 151.33 feet. Beton finished.

July 28 to September 5. Built sewer foot of Morton street, 1' 3" by 1' 3" section, 197 feet long.

August 7. Finished setting granite, making a length on "E" course of 172.31 feet.

November 21. Finished setting coping, making a length of 76.33 feet.

January 23 to February 9, 1878. Dredged slip south of Pier, new No. 42.

CHRISTOPHER STREET SECTION.—June 4 to 6, 1877. Drove and secured 6 spring piles at Pier, new No. 47.

July 31 to August 6. Dredged slip north side Pier, new No. 45.

July 31 to August 7. Dredged slip south side Pier, new No. 46.

September 7 to 22. Dredged slip north side of Pier, new No. 46.

October 15 to 31. Painted roof of shed of Pier, new No. 43.

November 22 to December 19. Painted sheds, excepting roofs, of Piers, new Nos. 43 and 46.

GANSEVOORT STREET YARD.—From September 10 to October 1, 1877. Strengthened Pier 57, North river, foot of Bogart street, to receive the broken stone, sand, and cement required in the construction of the concrete base blocks; built a platform 240 feet by 28 feet wide, between Piers Nos. 57 and 58 (old numbers), North river. This platform consisted of 16 sections, each capable of holding three base blocks.

October 9 to December 27. Built 42 base blocks, containing 1,387 cubic yards of concrete. Erected a shed, on Pier, old No. 57, North river, 80 feet long by 26 feet wide, for storing cement. Built portable railroad and cars for the more convenient and rapid handling of broken stone and sand required in making base blocks, and made three new wooden moulds for concrete base blocks.

Besides the above, all the cement purchased by Department was tested at this yard, and most of the blacksmith's work and tool-sharpening was done here.

All general stores purchased by Department were received and issued here.

EAST SEVENTEENTH STREET YARD.—This yard has received all the granite purchased by contract during the year for building the bulkhead wall, and from this point it has been transferred in scows to the different sections, as required by the progress of the work. Cement has also been stored here, and iron work for the piers, both of which are issued, as at Gansevoort Street Yard, when required.

# Summary of General Repairs for the year ending April 30, 1878.

## EAST RIVER.

May 4 to 7, 1877. Pier No. 62, East river; sheathed dock 776 square feet; put on 3 fenders and 2 mooring posts.

April 19 to May 8. Bulkhead between Piers Nos. 60 and 61, East river; filled excavation in rear of bulkhead and relaid pavement.

May 8 to 10. Pier at Twenty-sixth street, East river; drove and fastened 4 oak spring piles, put in 6 chocks and set 2 mooring posts.

May 11 to 12. Charity Hospital dock at Blackwell's Island; drove and chocked 4 spring piles.

May 14 to 16. Store House dock, Blackwell's Island; drove, chocked, and fastened 6 spring piles.

May 18 to 24. Platform at One Hundred and Twenty-ninth street and Second avenue; laid deck 598 square feet with 5 inches yellow pine, laid backing logs, side and cross caps; drove 5 spring and 5 fender piles, and put on 2 mooring cleats.

May 21 to 26. Pier No. 20, East river; sheathed deck 1,672 square feet; drove and chocked 6 spring piles; put on close fenders and new corner band.

May 17 to 18. Pier at Randall's Island; drove, chocked, and fastened 2 oak spring piles.

May 24 to 28. Pier at Twenty-third street, East river; drove and fastened 18 fender piles, and put on 2 5-inch oak fenders.

June 7 to 13. Public bath at Pier No. 51, East river; built 4 float fender stages, and moored them to bath with chains.

June 7 to 13. Public bath at Fifth street, East river; built 4 float fender stages, and moored them to bath with chains.

June 7 to 13. Public bath at Thirty-seventh street, East river; built 4 float fender stages, and moored them to bath with chains.

June 8 to 15. Pier No. 23, East river; repaired broken corner band.

June 15 to 16. Pier No. 12, East river; sheathed deck 762 square feet.

June 18 to 19. Pier No. 51 1/2, East river; sheathed deck 700 square feet.

June 20 to 23. Pier No. 52, East river; put on 6 half-round white oak fenders.

June 21 to 27. Pier at Thirty-third street, East river; put on 14 half-round white oak fenders; drove and fastened 3 spring piles, and sheathed deck 1,105 square feet with 4-inch spruce.

June 27 to 29. Pier at Third street, East river; put in new side cap; drove and fastened 1 spring pile, and put on 9 5-inch oak fenders.

June 21 to 30. Pier No. 53, East river; put on 9 half-round white oak fenders.

June 29 to 30. Bulkhead at Rivington street, East river; put on 4 half-round white oak fenders.

June 30 to July 5. Public bath at Fifth street, East river; repaired and refastened float stages.

July 2 to 6. Public bath at Thirty-seventh street, East river; repaired and refastened float stages.

June 30 to July 9. Public bath at Pier 51, East river; repaired and refastened float stages.

July 12 to 23. Pier No. 20, East river; refastened spring piles.

July 27 to August 3. Pier at Twenty-sixth street, East river; patched deck 54 square feet, and sheathed deck 1,838 square feet.

July 30 to August 3. Pier at Thirty-third street, East river; spliced and drove 7 oak fender piles; put in chocks, and raised backing log.

August 4 to 6. Pier No. 12 East river; replaced broken mooring post.

August 13 to 17. Pier No. 62 East river; drove and chocked 5 fender piles, set in 1 mooring post, and put on fenders, braces, and cleats.

August 18 to 21. Pier at Thirty-third street, East river; patched 67 square feet of deck, and laid 1,622 square feet of 4-inch spruce sheathing.

August 21 to 22. Public Bath at Thirty-seventh street, East river; repaired float fender stages.

August 21 to 23. Store-house Dock at Blackwell's Island; put on side caps, backing log and patched deck 513 square feet.

September 3 to 5. Insane Asylum Wharf at Ward's Island; drove 3 spring piles and laid 1,402 square feet of 3-inch spruce sheathing.

September 6 to 8. Platform at One Hundred and Twenty-ninth street and Second avenue; put in 12 ranges and laid 584 square feet of deck.

August 10 to September 12. Pier No. 61, East river; drove 15 piles, put on 32 half-round fenders, and patched deck 32 square feet.

September 13 to 14. Pier No. 55, East river; drove, chocked, and fastened 3 oak spring piles.

September 17 to 19. Hart's Island Dock; drove 3 spring piles, put on 1 yellow pine fender, and patched deck 60 square feet.

October 2 to 5. Pier No. 62 East river; put on 1 corner band, and sheathed deck 1,980 square feet with 4-inch spruce plank.

October 5 to 11. Pier No. 12, East river; sheathed deck 4,409 feet with 4-inch spruce.

October 12. Public Bath at Pier No. 51, East river; unmoored and stored float stages.

October 13. Public Bath at Fifth street, East river; unmoored and stored float stages.

October 15 to 19. Public Bath at Thirty-seventh street, East river; unmoored and stored float stages.

October 12. Pier at Twenty-third street, East river; fastened spring piles.

October 11 to 15. Pier at Forty-sixth street, East river; patched deck 272 square feet.

October 15 to 17. Pier No. 63, East river; drove, chocked, and fastened 5 fender piles.

October 15 to 26. Charity Hospital Dock, Blackwell's Island; drove 2 piles and rebuilt crib, laid 680 square feet of sheathing, and planked gangway.

October 30 to 31. Pier at Thirty-seventh street, East river; built up gangway and put on backing pieces.

November 7 to 12. Bake-house Dock, Blackwell's Island; drove and chocked 10 piles, and laid 1,700 square feet of platform.

November 13. Pier No. 51, East river; built up and closed in gangway.

November 30 to December 3. Pier at Thirty-third street, East river; drove, chocked, and fastened 4 yellow pine piles, and laid 633 square feet of sheathing.

December 10. Pier at Fortieth street, East river; patched deck 14 square feet.

December 6 to 11. Bulkhead at Forty-eighth street, East river; rebuilt platform.

December 13 to 15. Pier at Thirty-third street, East river; fastened on two wooden cleats.

December 13 to 17. Pier at Twenty-sixth street, East river; sheathed roadway and deck 1,335 square feet.

November 17 to 18. Bulkhead at Twenty-ninth street, East river; rebuilt bulkhead.

January 3, 1878. Platform at One Hundred and Twenty-ninth street and Second avenue; fastened 2 oak mooring cleats on backing log.

December 26, 1877, to January 25, 1878. Pier No. 6, East river; rebuilt 105 feet of bulkhead, drove 2 spring piles, put on 8 fenders, and relaid 970 square feet of platform.

February 22 to 25. Pier at One Hundred and Seventeenth street, East river; drove and chocked 12 spring piles, and laid 20 feet of backing log.

February 25 to March 7. Pier at One Hundred and Sixth street, East river; drove 11 piles, patched deck 1,354 square feet, laid 820 square feet of sheathing, 80 feet of backing log, 84 feet of side caps, and 162 square feet of close fenders.

April 1 to 13. Pier 44 East river; raised deck, drove 18 piles, put on 21 5-inch yellow pine fenders, 36 half-round white oak do., 3 cross caps, 36 feet of backing log, 1 corner band, patched deck 246 square feet, and sheathed do. with 5,206 square feet 3-inch yellow pine.

March 28 to April 10. Pier No. 46, East river; patched deck 49 square feet, put on 11 5-inch yellow pine fenders, 10 half-round white oak do., 1 corner band, and laid 2,964 square feet of 3-inch yellow pine sheathing.

March 20 to April 20. Pier No. 7, East river; laid 52 feet of backing log, 52 feet of side caps, 11 piles under caps, 16 fender piles, 6 mooring piles, put on 19 white oak fenders, and laid 9,041 square feet of 3-inch yellow pine sheathing.

## NORTH RIVER.

May 7 to 8. Pier, old No. 42, North river; patched deck 52 square feet.

May 16 to 19. Pier at Twenty-eighth street, North river; sheathed and patched deck 1,925 square feet.

June 6 to 7. Pier at Thirteenth street, North river; drove and chocked 4 mooring piles.

June 7 to 14. Public bath at Bethune street; built and moored to bath 4 float stages.

June 7 to 14. Public bath at Fifty-first street, North river; built and moored to bath 4 float stages.

June 18 to 25. Pier at Twenty-sixth street, North river; drove 1 pile, put on 11 half-round fenders, 1 corner band, and sheathed deck 6,260 square feet.

June 25 to 28. Pier at Thirty-fourth street, North river; put on 5 6-inch oak fenders, drove 3 white pine piles, and patched deck 14 square feet.

July 10 to 11. Public bath at Bethune street, North river; repaired float stages.

June 23 to July 12. Pier at Fortieth street, North river; put on 14 white oak fenders, 1 spruce do., 120 square feet of close planking on outer end of pier, and patched 168 square feet of deck.

June 29 to July 27. Pier at Forty-sixth street, North river; put on 1 white oak fender, 270 square feet of close planking, and sheathed 3,176 feet of deck.

June 12 to July 27. Pier at Thirtieth street, North river; put on 20 half-round fenders, drove 11 piles, put on 154 square feet of close plank, and patched deck.

July 28. Pier at Forty-seventh street, North river; patched deck 84 square feet.

June 26 to July 30. Pier at Thirty-fifth street, North river; put on 1 8-inch oak fender, and patched deck 364 square feet.

June 1 to August 17. Pier at Fifty-seventh street; North river; patched deck 435 square feet, and laid 10,555 square feet of 4-inch spruce sheathing.

August 7 to 17. Pier at Bethune street; drove 7 white pine piles, put on 21 half-round fenders, and patched 460 feet of deck.



August 23 to 25. Pier at Thirty-fifth street, North river; put on mooring cleat, and patched 278 feet of deck.  
September 13. Pier at Thirty-fifth street, North river; patched 18 square feet of deck.  
September 14. Pier at Thirty-fourth street, North river; patched 6 square feet of deck.  
September 24 to 27. Pier at Fifty-seventh street, North river; drove 2 piles and put on 19 half-round fenders, and laid 2,084 square feet 4-inch spruce sheathing.  
September 26. Pier at Twenty-sixth street, North river; patched deck 43 square feet.  
September 20 to 29. Pier at Fortieth street, North river; patched deck 178 square feet.  
September 26 to 29. Pier at Thirtieth street, North river; patched deck 267 square feet, and laid 456 square feet of sheathing.  
October 10. Pier at Thirty-fifth street, North river; patched deck 143 square feet with 5-inch white pine.  
October 11. Pier at Fifty-seventh street, North river; patched deck 80 square feet.  
October 10. Public bath at Fifty-first street, North river; unmoored and stored float stages.  
October 11. Public bath at Bethune street; unmoored and stored float stages.  
October 19. Pier at Thirtieth street, North river; repaired 108 square feet of deck.  
September 27 to October 29. Pier at Forty-sixth street, North river; patched, deck 290 square feet, and laid 236 square feet of sheathing.  
October 22 to November 5. Pier No. 1, North river; raised backing-log.  
November 26. Pier at Thirty-fourth street, North river; fastened spring piles.  
November 26. Pier at Sixteenth street, North river; patched deck.  
November 14 to December 6. Pier No. 1, North river; drove and fastened 6 oak and 2 pine piles, fastened backing-logs, and put on 4 cleats.  
December 4 to 6. Pier at Thirtieth street, North river; patched deck 180 square feet with yellow pine and spruce plank.  
December 8. Pier at Thirty-fourth street, North river; patched 24 square feet of deck, 5-inch yellow pine.  
December 7 to 8. Pier at Thirty-fifth street, North river; patched 192 square feet of deck with 5-inch yellow pine and old plank.  
December 11. Pier at Fifty-seventh street, North river; patched deck 44 square feet with 5-inch yellow pine, and 75 square feet with 4-inch spruce.  
November 5 to December 13. Bulkhead at West Eleventh street; rebuilt bulkhead about 90 feet, and put on 20 half-round fenders.  
December 10 to 12. Pier at Forty-sixth street, North river; patched deck 64 square feet with 5-inch yellow pine, and 88 square feet with 4-inch spruce.  
October 31 to December 14. Roadway to Fifty-seventh street, North river; tore up and rebuilt roadway.  
December 28 to January 2. Pier at Twenty-eighth street, North river; patched and sheathed 446 square feet.  
February 8 to 9. Pier at West Eleventh street; set in new mooring post and patched 22 feet of deck.  
January 31 to February 18. Pier at Thirty-fourth street, North river; laid 812 square feet 3-inch yellow pine.  
February 20 to 21. Pier at One Hundred and Fifty-fifth street, North river; drove, chocked, and fastened 3 spring piles.  
February 21. Pier at One Hundred and Thirty-eighth street, North river; drove and fastened 2 fender piles.  
February 23 to 25. Pier at One Hundred and Thirty-first street, North river; straightened mooring post, and drove and fastened 15 fender piles.  
February 11 to 27. Pier at Fortieth street, North river, drove and chocked 3 spring piles, and laid 80 feet of backing-log, patched 111 square feet of deck, laid 4,821 square feet of 3-inch yellow pine sheathing, and set 6 mooring posts.  
March 5. Bulkhead, south side of Little Twelfth street; put on 6 half-round fenders.  
March 6. Bulkhead at Bank street; filled hole in rear of bulkhead.  
February 9 to March 7. Pier No. 34, North river; drove 29 piles, put on 35 half-round fenders, put in rangers, cross and side caps, 130 feet of backing-log, and patched and sheathed 4,666 square feet of deck.  
February 19 to March 9. Pier at Fifteenth street, North river; drove 7 piles, put on 5 half-round fenders, and laid 4,816 square feet 3-inch yellow pine sheathing.  
March 9 to 13. Pier No. 58, North river; put on 15 half-round fenders, and patched 29 square feet of deck.  
February 19 to March 14. Pier at Horatio street; put on 16 half-round fenders, 2 5-inch yellow pine do., and laid 4,121 square feet 3-inch yellow pine sheathing.  
March 15. Pier at Jane street; refastened close fenders.  
March 15 to 16. Pier at Bethune street; put on 1 half-round fender and patched 90 feet deck.  
February 20 to March 18. Pier at West Eleventh street; put on 1 5-inch yellow pine and 13 half-round fenders, 32 feet of backing-log, and patched 65 square feet of deck with 5-inch yellow pine.  
March 8 to 19. Pier No. 1, North river; repaired backing-log and drove 2 white oak spring piles.  
February 26 to March 20. Pier at Forty-seventh street, North river; put on 14 half-round fenders, 6 5-inch yellow pine do., patched deck 460 square feet with 4-inch spruce, sheathed deck 1,540 square feet with 4-inch spruce, and 1,272 square feet with 3-inch yellow pine.  
March 1 to 22. Bulkhead between Piers Nos. 52 and 54, North river; patched deck 1,447 square feet with 3-inch yellow pine.  
March 21 to 25. Pier at One Hundred and Twenty-ninth street, North river; patched deck 48 square feet, and laid 4,381 square feet of 3-inch yellow pine sheathing.  
March 21 to 26. Pier No. 22, North river; drove 14 spruce piles.  
February 19 to March 27. Pier at Little Twelfth street; laid 3,551 square feet 3-inch yellow pine sheathing, 66 square feet 5-inch yellow pine close fenders, 25 half-round white oak do., drove 1 spruce pile, and put on new corner band.  
March 8 to 27. Bulkhead, east side Pier, new No. 47; drove 1 spruce pile and put on 1 half-round white oak and 6 5-inch yellow pine fenders.  
March 19 to 28. Pier at Sixteenth street; laid 1,340 square feet of 3-inch yellow pine sheathing.  
March 28 to 30. Pier at Thirteenth street; drove 2 spruce piles, put on 20 half-round fenders, patched 38 square feet of deck, replaced caps and refastened old fenders.  
March 11 to April 16. Pier No. 54, North river; patched deck 2,906 square feet, relaid 9,577 square feet of sheathing, put on 26 half-round fenders, 160 square feet of close planking, 5-inch yellow pine, laid 120 feet of backing-log, and put on 6 yellow pine cleats.  
April 17. Pier, new No. 47; refastened cleat.  
April 17. Bulkhead, south side Little Twelfth street; bolted on 2 wooden cleats.  
April 24. Pier at Forty-seventh street, North river; patched deck.  
April 4 to 30. Cleaned piers at Thirtieth, Thirty-fifth, Bogart, Forty-seventh and Forty-sixth streets.  
March 9, 1878. Contract made with Moses Engle to repair piers at Thirtieth, Thirty-fifth, Forty-sixth and Fifty-seventh streets, North river.  
March 25 to April 27. Pier at Thirtieth street was sheathed with 4-inch spruce for an area of 31,824 square feet.  
Work was commenced on pier at Forty-sixth street, April 27, and on pier at Fifty-seventh street, April 29.

## Statement of Dredging from May 1, 1877, to April 30, 1878.

		CUBIC YARDS.		TOTALS.	
		MUD.	CRIB-WORK.	MUD.	CRIB-WORK.
BY THE MORRIS & CUMINGS DREDGING CO.					
North River.					
July, 1877	Leroy street wall.....	11,543			
	Pier, new No. 40.....		1,863		
Aug., "	Slip between Piers, new Nos. 45 and 46.....	6,652		11,543	1,863
	Pier, new No. 38, and slips adjacent.....	4,210			
Sept., "	Pier, new-No. 38, and slips adjacent.....	21,211	271	10,862	
	Pier, new No. 46, north side.....	5,070			
	Leroy street wall.....	5,345			
Oct., "	Pier, new No. 38, and slips adjacent.....	12,301	2,796	31,626	271
	Spring street wall.....	1,689			
	Leroy street wall.....	407			
Nov., "	Dump-board at Twenty-first street.....	2,261		14,397	2,796
	Spring street wall.....	6,881	952		
	Pier at Eleventh street, south side, and bulkhead.....	6,019			
Dec., "	Extension to Pier, new No. 37.....	4,908		15,161	952
	Removing outer end Pier, old No. 32.....		1,689		
	Dump-board at Twelfth street.....	1,498			
	Chambers street wall.....	739		7,145	1,689

		CUBIC YARDS.		TOTALS.	
		MUD.	CRIB-WORK.	MUD.	CRIB-WORK.
Jan., 1878	Chambers street wall.....	14,218		14,218	
	Removing outer end, Pier old No. 32.....	1,862		1,862	
	Pier, new No. 42, south side.....	1,993	75	1,807	75
Feb., "	Chambers street wall.....	6,889	1,500	6,889	1,500
	Pier, new No. 39.....	23,935		23,935	
	Pier, new No. 42, south side.....	3,771		3,771	
March, "	Pier, new No. 39.....	3,865	1,280	3,865	1,280
	Chambers street wall.....	8,511		8,511	
	Pier, old No. 34.....	4,043		4,043	
	Pier, new No. 38.....	9,510		9,510	
April, "	Pier, new No. 38.....	2,047		2,047	
	Total, North river.....			171,378	10,426
East River.					
Nov., 1877	Dumping, Pier No. 37.....	1,048		1,048	
	Dump-board at Forty-sixth street.....	785		785	
Dec., "	Dump-board at Twenty-second street.....	3,976		3,976	
	Total, East river.....			5,809	
	Total dredging by the Morris & Cumings Dredging Co.....			177,187	10,426
BY THE UNION DREDGING CO.					
North River.					
April, 1878	Pier at Seventeenth street.....	2,128		2,128	
	Pier at Eighteenth street.....	843		843	
	Pier, new No. 40.....	18,126		18,126	
	Dump-board at Laight street.....	1,718		1,718	
	Pier at Thirteenth street, North side.....	272		272	
	Bulkhead at Fourteenth street.....	494		494	
	Pier at Fifteenth street.....	1,090		1,090	
	Pavonia Ferry slip.....	3,760		3,760	
	Total dredging by Union Dredging Co.....			28,431	
DREDGED BY DEPARTMENT MACHINES.					
North River.					
May, 1877	Pier at Thirty-seventh street, north side.....	1,200		1,200	
	Dump-board at Twenty-first street, north side.....	1,000		1,000	
	Pier at Sixteenth street, north side.....	3,500		3,500	
	Bulkhead between Twentieth and Twenty-first streets.....	1,600		1,600	
	Dump-board at Laight street.....	2,715		2,715	
June, "	Dump-board at Laight street.....	400		400	
Feb., 1878	Pier, new No. 1.....	2,480		2,480	
March, "	Pier, new No. 1.....	2,080		2,080	
	Total, North river.....			14,975	
East River.					
May, 1877	Pier at Twenty-third street.....	1,400		1,400	
	Total, East river.....			1,400	
	Total dredged by Department machines.....			16,375	
	Total dredging for the year.....			221,993	10,426

## Granite (Rough and Cut) on Hand at the East Seventeenth Street Yard, May 1, 1878.

	On Hand May 1, 1877. Cubic feet.	Received during Year.	Transferred during Year.	On Hand May 1, 1878. Cubic feet.	Rate.	Amount.
Headers and stretchers, old lot (cut).....	9,775.9	390.2	6,968.3	3,197.8	\$1 30	\$4,157 14
Headers and stretchers, old lot (rough).....	1,449.3		1,235.0	214.3	39	82 40
Coping cut.....	5,985.0		4,550.0	1,435.0	1 57	2,664 75
Headers and stretchers, new lot (Tilson).....	889.26	13,819.38	9,988.47	4,720.17	62	2,926 50
Headers and stretchers, new lot (Hilson).....		1,249.23	494.19	755.04	40	302 02
Headers and stretchers, new lot (Hogan).....		164.73		164.73	63	103 57
Voussoirs.....	845.87			845.87	1 95	1,649 44
Spandrel and end stone.....	665.02			665.02	1 80	1,197 03
Corner, end, and key stones.....	650.0			650.0	2 01	1,306 50
Headers and stretchers, fine cut.....	306.58			306.58	1 11 1-9	340 64
Fine cut, part rough.....	483.0		39.26	444.64	1 11 1-9	494 04
Rough.....	739.39	84.48		823.87	60	494 31
Rubble blocks.....	21.0		21.0			
						\$15,718 34

## GANSEVOORT STREET YARD.

NEW YORK, July 24, 1878.

To amount of Stock on hand, Purchased, Fabricated and Issued from Gansevoort Street Yard, from May 1, 1877, to April 30, 1878.

Stock on hand, May 1, 1877.....	\$10,560 94
Purchased from May 1, 1877, to April 30, 1878.....	26,340 45
Fabricated (consisting of 42 Beton Blocks).....	13,191 93

Total to be accounted for..... \$50,093 34

Issued to the following Sections, &amp;c.:

Floating Property.....	\$2,833 31
King street section.....	420 56
Pier No. 1, North river.....	580 28
Canal street section.....	54 54
East Seventeenth street Yard.....	99 17
Leroy street section.....	3,143 31
General repairs.....	1,486 68
Christopher street section.....	894 89
Houston street section.....	1,245 53
Clarkson street section.....	1,543 33
Morton street section.....	23 13
Dump, Fifty-sixth and Fifty-eighth streets, North river.....	16 81
Department's Office.....	19 89
Spring street section.....	1,135 77
Charlton street section.....	492 57
Chambers street section.....	2,966 99
Gansevoort street Yard, etc.:	
Office, yard, etc., etc.....	378 16
Platform account.....	1,569 24
Cement shed.....	283 53
Old Pier No. 59, North river.....	113 77
New moulds.....	254 99
Railroad.....	437 37
Repairing account.....	3 52
General plant.....	97 77
Material account.....	9,598 15

Total issues..... 29,693 37

To balance of Stock on hand, May 1, 1878..... \$20,399 96



Total amount of Pay-roll, from May 1, 1877, to April 30, 1878, from Gansevoort street yard..... \$13,793.49

Divided as follows:

Office, yard, etc.....	\$4,116 66½
Roofing Store-house.....	35 20
Material from Pier No. 1, North river.....	119 90
Platform account.....	1,203 76
Cement shed.....	566 62
New moulds.....	659 64
Railroad.....	430 73½
Old Pier No. 59, North river.....	159 80½
Old moulds, etc.....	54 97
Béton blocks.....	3,593 77½
Floating property.....	898 22½
Canal street section.....	28 37½
King street section.....	366 17½
Leroy street section.....	372 10
General repairs.....	167 12½
East Seventeenth street yard.....	22 55
Pier No. 1, North river.....	284 32
Houston street section.....	82 50
Clarkson street section.....	47 37½
Christopher street section.....	120 40
Morton street section.....	60 62½
Department's Office.....	152 49½
Spring street section.....	127 95
Charlton street section.....	49 95
Dump, Fifty-sixth and Fifty-eighth streets, North river.....	4 78½
Chambers street section.....	67 47½
	\$13,793 49 \$13,793 49

*List of Work done by Private Parties under Supervision of the Engineer-in-Chief, by Order of or Under Permit from the Board of Docks.*

Erection of platform at foot of Twenty-third street, North river.  
Erection of platform and shed between Thirty-fifth and Thirty-sixth streets, East river.  
Construction of a bulkhead between Fifty-sixth and Fifty-seventh streets, East river.  
Filling north of foot of Forty-ninth street, East river.  
Erection of a shed on Pier No. 35, North river.  
Repairs made to half of Pier No. 20, East river.  
Changing of the spurs on Pier No. 34, North river.  
Insertion of 6-inch drain pipe between Piers Nos. 38 and 39, North river.  
Insertion of a 6-inch drain pipe south of Delancey street, East river.  
Erection of a platform on pier at Fifty-first street, North river.  
Erection of a shed on bulkhead north of Pier No. 28, North river.  
Erection of a platform on bulkhead at Perry street, North river.  
Erection of a shed on Pier No. 17, East river.  
Erection of a platform pier at Thirty-fifth street, North river.  
Erection of a platform scale on Pier 18, East river.  
Erection of a shed on Pier, new No. 39, North river.  
Extending platform at foot of Twenty-third street, East river.  
Insertion of an 8-inch drain pipe at Twenty-fifth street, North river.  
Erection of a platform at pier at Fifty-seventh street, North river.  
Erection of a wooden awning, Pier No. 22, East river.  
Construction of a platform at Pier, old No. 43, North river.  
Completion of a bulkhead between Forty-second and Forty-third streets, East river.  
Erection on piles of an extension of pier at Thirty-ninth street, East river.  
Erection of a platform south of Pier No. 39 (old number), North river.  
Making a gangway at Pier No. 57, East river.  
Dredging of slip north side of Pier, new No. 46, North river.  
Repairs to Piers Nos. 2, 4, and 7, East river.  
Construction of a roadway between Forty-fourth and Forty-sixth streets, East river.  
Widening passenger walk at Pier No. 24, East river.  
Erection of a dump at Seventy-first street, East river.  
Extension of pier at Twenty-second street, East river.  
Erection of a dump at Forty-third street, East river.  
Erection of a derrick between Piers Nos. 38 and 39, North river.  
Erection of a derrick between Piers Nos. 38 and 39, North river.  
Driving of piles at the end of Seventh avenue, Harlem river.  
Extension of bulkhead at Forty-seventh street, East river.  
Erection of a shipping office at Pier No. 9, North river.  
Erection of a shanty between Piers Nos. 38 and 39, North river.  
Repairs to the outer end of Piers Nos. 4, 5, and 6, East river.  
Insertion of a 6-inch drain pipe between Piers Nos. 12 and 13, East river.  
Erection of a bulkhead at Seventy-fourth street, East river.  
Removing 2 mooring posts at Pier No. 51, East river.  
Erection of platform between Piers Nos. 6, 7, and 8, North river.  
Erection of a shed on Piers Nos. 6 and 7, etc., North river.  
Construction of a shed on Pier, old No. 34, North river.  
Extension to Pier No. 34, East river.  
Erection of a platform at Sixty-third street, East river.  
Erection of a shed on pier at Twenty-fourth street, North river.  
Erection of a platform at Pier No. 33, North river.  
Placing of piles at corner of Pier, new No. 45, North river.  
Erection of a platform between Seventy-ninth and Eightieth streets, East river.  
Erection of a spur midway to Pier No. 35, North river.  
Erection of an ice bridge south of pier at Forty-sixth street, North river.  
Erection of an ice bridge at Fifty-third street, East river.

## BOARD OF REVISION AND CORRECTION OF ASSESSMENTS.

A meeting of the Board of Revision and Correction of Assessments was held at the Comptroller's Office, in the New Court-house, on Tuesday, December 3, 1878, at 12.10 o'clock P. M.  
Present—Hon. John Kelly, Comptroller; Hon. William C. Whitney, Counsel to the Corporation.

Absent—Hon. John K. Hackett, Recorder.

The minutes of the meetings held November 22 and 29, 1878, were read and approved.

The Comptroller presented to the Board the following assessment lists received from the Board of Assessors, with communications, dated December 2, 1878, viz.:

1. Sewers in Eighth avenue, between Ninety-second and One Hundred and fifth streets, with branches in Ninety-third and Ninety-sixth streets.  
2. 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.

3. Flagging on east side Second avenue, between Sixty-fourth and Sixty-fifth streets.

4. Fencing vacant lot on northwest corner of Madison avenue and One Hundred and Twenty-fourth street.

5. Fencing vacant lots on south side of Twenty-fourth street, 82 feet east of First avenue.

6. Sewer in Washington street, between Perry and West Eleventh streets.

The foregoing assessment lists being in proper form and no objection having been filed, on motion, they were severally confirmed, all the members of the Board present voting in the affirmative.

The assessment lists for paving with Belgian or trap-block pavement and setting and resetting curbstones in Fourth avenue, from Forty-ninth to Sixty-seventh street, with the objections of Mr. Samuel Montgomery and Mr. H. A. Cram, and a communication from the Commissioner of Public Works relative thereto, laid over at meeting of this Board held May 6, 1878, to be examined and reported upon by the Counsel to the Corporation, was presented to the Board, with his opinion, dated November 22, 1878.

After consideration of the said opinion, on motion, the objections filed were overruled, and the assessment list was confirmed, all the members of the Board present voting in the affirmative.

The Counsel to the Corporation stated that he had not concluded the examination of the briefs and papers in the matter of the awards and assessments for closing the Bloomingdale road. The further consideration of the subject, was, therefore, on motion, postponed until December 10, 1878, at noon.

At 12.30 o'clock, P. M., on motion, the Board adjourned.

RICHARD A. STORRS,  
Chief Clerk Board of Revision and Correction of Assessments.

## OFFICIAL DIRECTORY.

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

### EXECUTIVE DEPARTMENT.

#### Mayor's Office.

No. 6 City Hall, 10 A. M. to 3 P. M.  
SMITH ELY, Jr., Mayor; GEORGE B. VANDERPOEL, Secretary.

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

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

#### Permit and License Bureau Office.

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

### LEGISLATIVE DEPARTMENT

#### Office of Clerk of Common Council.

No. 8 City Hall, 10 A. M. to 4 P. M.  
WILLIAM R. ROBERTS, President Board of Aldermen;  
FRANCIS J. TWOMEY, Clerk Common Council.

### DEPARTMENT OF PUBLIC WORKS

#### Commissioner's Office.

No. 19 City Hall, 9 A. M. to 4 P. M.  
ALLAN CAMPBELL, Commissioner; HUBERT O. THOMPSON, Deputy Commissioner.

#### Bureau of Water Register.

No. 10 City Hall, 9 A. M. to 4 P. M.  
JOHN H. CHAMBERS, Register; WILLIAM R. FARRELL, Deputy Register.

#### Bureau of Incumbrances.

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

#### Bureau of Lamps and Gas.

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

#### Bureau of Streets.

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

#### Bureau of Sewers.

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

#### Bureau of Chief Engineer.

No. 11½ City Hall, 9 A. M. to 4 P. M.  
JOHN C. CAMPBELL, Chief Engineer.

#### Bureau of Street Improvements.

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

#### Bureau of Repairs and Supplies.

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

#### Bureau of Water Purveyor.

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

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

JOHN F. SLOPER, City Hall.

### FINANCE DEPARTMENT.

#### Comptroller's Office.

Nos. 19 and 20 New County Court-house, 9 A. M. to 4 P. M.  
JOHN KELLY, Comptroller; RICHARD A. STORRS, Deputy Comptroller.

#### Auditing Bureau.

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

#### Bureau of Arrears.

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

#### Bureau for the Collection of Assessments.

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

#### Bureau of Markets.

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

#### Bureau for the Collection of Taxes.

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

#### Bureau of City Revenue.

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

#### Bureau of the City Chamberlain.

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

### LAW DEPARTMENT.

#### Office of the Counsel to the Corporation.

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

#### Office of the Public Administrator.

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

#### Office of the Corporation Attorney.

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

#### Attorney to Department of Buildings Office.

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

### POLICE DEPARTMENT.

#### Central Office.

No. 300 Mulberry street, 9 A. M. to 4 P. M.  
WILLIAM F. SMITH, President; SETH C. HAWLEY, Chief Clerk.

### DEPARTMENT OF CHARITIES AND CORRECTION.

#### Central Office.

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

### FIRE DEPARTMENT.

#### Headquarters.

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

### HEALTH DEPARTMENT.

#### Office.

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

### DEPARTMENT OF PUBLIC PARKS.

No. 36 Union square, 9 A. M. to 1 P. M.  
JAMES F. WENMAN, President; WILLIAM IRWIN, Secretary.

#### Civil and Topographical Office.

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

#### Office of Superintendent of 23d and 24th Wards.

Fordham, 9 A. M. to 5 P. M.

### DEPARTMENT OF DOCKS.

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

### DEPARTMENT OF TAXES AND ASSESSMENTS

Brown-stone building, City Hall Park, 9 A. M. to 4 P. M.  
JOHN WHEELER, President; ALBERT STORER, Secretary.

### COMMISSION FOR THE COMPLETION OF THE NEW COUNTY COURT-HOUSE.

No. 28 New County Court-house, 9 A. M. to 5 P. M.  
WYLLIS BLACKSTONE, President; ISAAC EVANS, Secretary.

### REGISTER'S OFFICE.

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

### COMMISSIONERS OF ACCOUNTS.

No. 27 Chambers street, 9 A. M. to 4 P. M.  
LINDSAY I. HOWE, JOHN H. MOONEY.

### COMMISSIONER OF JURORS.

No. 17 New County Court-house, 9 A. M. to 4 P. M.  
THOMAS DUNLAP, Commissioner; ALFRED J. KEEGAN, Deputy Commissioner.

### COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.  
HENRY A. GUMBLETON, County Clerk; J. FAIRFAX McLAUGHLIN, Deputy County Clerk.

### DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone building, City Hall Park, 9 A. M. to 4 P. M.  
BENJAMIN K. PHELPS, District Attorney; MOSES P. CLARK, Chief Clerk.

### THE CITY RECORD OFFICE.

And Bureau of Printing, Stationery, and Blank Books.  
No. 2 City Hall, 8 A. M. to 6 P. M.; Saturdays, 8 A. M. to 5 P. M.  
CHARLES F. WOOD, Supervisor; R. P. H. ABELL, Book-keeper.

### BOARD OF ASSESSORS.

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

### DEPARTMENT OF BUILDINGS.

No. 2 Fourth avenue, 9 A. M. to 4 P. M.  
WALTER W. ADAMS, Superintendent.

### BOARD OF EXCISE.

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

### SEALERS OF WEIGHTS AND MEASURES

No. 236 West Forty-third street.  
ELIJAH W. ROE.

### SHERIFF'S OFFICE.

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

### CORONERS' OFFICE.

No. 40 East Houston street.  
HENRY WOLTMAN, MORITZ ELLINGER, RICHARD CROKER, and RICHARD FLANAGAN, Coroners.

## BOARD OF EDUCATION.

**SEALED PROPOSALS WILL BE RECEIVED BY**  
the School Trustees of the Nineteenth Ward, at the Hall of the Board of Education, corner of Grand and Elm streets, until Monday, the 23d day of December, 1878, and until 4 o'clock P. M. on said day, for the erection of a New School-house on the north side of East Forty-sixth street, 155 feet east of Third avenue.

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

Proposals must state the estimate for each branch of the work separately, and be indorsed "Proposal for Mason Work," "Proposal for Carpenter Work," "Proposal for Painting."

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

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

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

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

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

#### M. THALMESSINGER,

#### FRED. F. HOPKINS,

#### EUGENE H. POMEROY,

#### JOHN C. DONNELLY,

#### RICHARD KELLY,

Board of School Trustees, Nineteenth Ward.

Dated NEW YORK, December 5, 1878.

**SEALED PROPOSALS WILL BE RECEIVED AT**  
the office of the Board of Education, corner of Grand and Elm streets, until TUESDAY, the 17th day of December, 1878, at 11 A. M., for supplying, for the use of the schools under the jurisdiction of said board, books, stationery, and other articles required for one year, commencing on the 1st day of January, 1879. City and country publishers of books, and dealers in the various articles required, are notified that preference will be given to the bids of principals, the Committee being desirous that commissions, if any, shall be deducted from the price of the articles bid for. A sample of each article must accompany the bid. A list of articles required, with the conditions upon which bids will be received, may be obtained on application to the Clerk of the Board. Each proposal must be addressed to the Committee on Supplies, and indorsed "Proposals for Supplies." The Committee reserve the right to reject any bid if deemed for the public interest.

Dated New York, December 2, 1878.

#### FERDINAND TRAUD,

#### HENRY P. WEST,

#### DAVID WETMORE,

#### JULIUS KATZENBERG,

#### BENJ. F. MANIERRE,

Committee on Supplies.

**SEALED PROPOSALS WILL BE RECEIVED AT**  
the office of the Board of Education, corner of Grand and Elm streets, until TUESDAY, the 17th day of December, 1878, at 11 A. M., for printing required by the said board for the year 1879. Samples of the various documents, etc., required to be printed, may be seen at the office of the Clerk of the Board, where blank forms of proposals may also be obtained. Each proposal must be addressed to the Committee on Supplies, and indorsed "Proposals for Printing." Two sureties, satisfactory to said Committee, will be required for the faithful performance of the contract. The Committee reserve the right to reject any bid if deemed for the public interest.

Dated New York, December 2, 1878.

#### FERDINAND TRAUD,

#### HENRY P. WEST,

#### DAVID WETMORE,

#### JULIUS KATZENBERG,

#### BENJ. F. MANIERRE,

Committee on Supplies.



## FINANCE DEPARTMENT.

FINANCE DEPARTMENT,  
BUREAU FOR THE COLLECTION OF TAXES,  
No. 32 CHAMBERS STREET,  
NEW YORK, December 1, 1878.

## NOTICE TO TAX-PAYERS.

ALL PERSONS WHO HAVE OMITTED TO PAY their taxes for the year 1878, are hereby notified, as required by law, to pay the same to the Receiver of Taxes, at his office, on or before the 1st day of January, 1879.

One per cent. will be collected on all taxes paid before the 15th day of December instant, two per cent. on all taxes paid on and after that date, and interest at the rate of 12 per cent. per annum, computed from the 14th of October last (the day on which the assessment rolls and warrants were delivered to the Receiver), on all taxes remaining unpaid on and after the said 1st day of January, 1879.

No money will be received after 2 o'clock P. M.

Office hours, from 8 A. M. to 2 P. M.

MARTIN T. McMAHON,  
Receiver of Taxes.

DEPARTMENT OF FINANCE,  
BUREAU FOR THE COLLECTION OF ASSESSMENTS,  
No. 16 NEW COURT-HOUSE, CITY HALL PARK,  
NEW YORK, October 26, 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 OCTOBER 22, 1878.

70th street, regulating, grading, etc., from 3d avenue to East river.  
4th avenue, curb, gutter, and flagging, from 71st to 79th streets.  
4th avenue, crosswalks at 110th, 111th, 112th, and 113th streets.  
Lexington avenue, crosswalks north and south side 84th street.  
22d street, flagging, north side, between 1st avenue and Avenue A.  
55th street, flagging between Madison and 4th avenues and fencing vacant lots thereon.  
82d and 83d streets, and 5th avenue, fencing vacant lots north side 82d, south side 83d streets, and east side 5th avenue.  
78th and 79th streets and Madison avenue, fencing vacant lots north side 78th, south side 79th streets, and east side Madison avenue, between 78th and 79th streets.  
99th street, sewer, between Boulevard and 10th avenue.  
12th avenue, sewer, between 130th and 131st streets, and n 131st street, etc.  
61st street, basins, northeast and southeast corners 1st avenue.  
4th street, basins, northwest corner 6th avenue.  
110th street, basins, northwest corner Madison avenue, etc.

CONFIRMED AND ENTERED OCTOBER 24, 1878.

147th street, outlet sewer, 8th avenue and 145th street, from St. Nicholas avenue to Harlem river, with branches, etc.  
All payments made on the above assessments on or before December 26, 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, November 26, 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 NOVEMBER 22, 1878.

22d street, regulating, grading, etc., between Avenue A and East river.  
81st street, regulating, grading, etc., between 9th and 10th avenues.  
107th street, regulating, grading, etc., between 5th avenue and Harlem river.  
76th street, curb, gutter and flagging, between 1st avenue and Avenue A.  
114th street, paving, from 2d to 4th avenue.  
120th street, paving, from 1st avenue to Harlem river.  
Nassau street, sewer, from Beekman to Spruce street.  
Ann street, sewer, from William to Gold street.  
132d and 133d streets, sewer, from 6th to 7th avenue.  
11th avenue, sewer, from 6th to 64th street.  
75th street, fencing, north side, between 2d and 3d avenues.

All payments made on the above assessments on or before January 25, 1879, 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 these Official Indices of Records, containing all recorded transfers of real estate in the City of New York from 1653 to 1857 prepared under the direction of the Commissioners of Records.

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

JOHN KELLY,  
Comptroller

COMPTROLLER'S OFFICE,  
NEW YORK, February 6, 1877.

FINANCE DEPARTMENT,  
BUREAU FOR THE COLLECTION OF TAXES,  
No. 32 CHAMBERS STREET,  
NEW YORK, November 1, 1878.

## NOTICE TO TAX-PAYERS.

NOTICE IS HEREBY GIVEN TO ALL PERSONS who have omitted to pay their taxes for the year 1878, to the Receiver of Taxes, that unless the same shall be paid to him, at his office, before the first day of December next, one per cent. will be collected on all taxes remaining unpaid on that day, and one per cent. in addition thereto on all taxes remaining unpaid on the 15th day of December next.

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

MARTIN T. McMAHON,  
Receiver of Taxes.

DEPARTMENT OF FINANCE,  
BUREAU FOR THE COLLECTION OF ASSESSMENTS,  
No. 16 NEW COURT-HOUSE, CITY HALL PARK,  
NEW YORK, December 6, 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 DECEMBER 3, 1878.

2d avenue, flagging, east side, between 64th and 65th streets.  
4th avenue, regulating and paving, from 49th to 67th streets.  
Washington street, sewer, between Perry and West 11th streets.  
8th avenue, sewer, between 92d and 105th streets, with branches.  
119th street, sewer, between 4th and 5th avenues, and in 4th avenue, etc.  
124th street, fencing, northwest corner of Madison avenue.  
24th street, fencing, south side, eighty-two feet east of 1st avenue.  
All payments made on the above assessments on or before February 4, 1879, 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.

## POLICE DEPARTMENT.

POLICE DEPARTMENT CITY OF NEW YORK,  
PROPERTY CLERK'S OFFICE,  
No. 300 MULBERRY STREET, ROOM 39,  
NEW YORK, December 2, 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: Boats, wagons, revolvers, silver watch, trunks and contents, hand carts, bagatelle balls, eight boxes cigars, piece flannel, also small amount of cash taken from prisoners and found.

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—Laying crosswalks at the northerly and southerly intersections of One Hundred and Seventh, One Hundred and Eighth and One Hundred and Ninth streets and Fourth avenue... \$874 48  
No. 2—Paving Eighty-fourth street, from the Boulevard to Riverside Drive... 4,563 89

WM. H. JASPER,  
Secretary.

OFFICE BOARD OF ASSESSORS,  
No. 114 WHITE STREET (COR. CENTRE),  
NEW YORK, December 6, 1878.

## DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, December 10, 1878.

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

At Morgue, Bellevue Hospital, from Eighteenth Precinct Station-house—Unknown man; aged about 55 years; 5 feet 8 inches high; light hair mixed with gray; light mustache. Had on black overcoat, gray coat, pants and vest, white shirt, gray knit drawers and undershirt, white socks, gaiters.  
Unknown woman, from Ward 31 Bellevue Hospital—aged about 40 years, 5 feet 3 inches high; dark brown hair mixed with gray, hazel eyes. Had on black cloth cape, black waist with blue stripe, buttoned gaiters. Prayer-book with following inscription found on her person: Presented by Lizzie Smith to Lizzie Barrett, September 24, 1878.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, December 7, 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 Workhouse, Blackwell's Island—Ellen Foster, aged 50 years; committed October 17, 1878. Nothing known of her friends or relatives.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, December 5, 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 Homeopathic Hospital, Ward's Island—Margaret Sheedy, aged 35 years; 5 feet 2 inches high; blue eyes; gray hair. Had on when admitted, calico skirt; gray shawl. Nothing known of her friends or relatives.

At N. Y. City Asylum for Insane, Ward's Island—Jacob Marks; aged 35 years; 5 feet 7 inches high; blue eyes; brown 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, December 4, 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 Homeopathic Hospital, Ward's Island—Maria Watson; aged 46 years; blue eyes; light hair. Had on when admitted, gray wrapper; waterproof skirt and cloak. Nothing known of her friends or relatives.

By Order,  
JOSHUA PHILLIPS,  
Secretary.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
NEW YORK, December 7, 1878.

## PROPOSALS FOR BLANKETS, COAL, LUMBER, ETC.

PROPOSALS, SEALED AND INDORSED AS above, will be received by the Commissioners of Public Charities and Correction, at their office, until 9 o'clock A. M. of Friday, December 20, 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—

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

## BLANKETS.

1,000 pairs White Blankets.  
1,200 " Colored "

## GROCERIES.

5,000 pounds Rio Coffee.

## COAL.

1,000 tons Coal.

## TIN.

60 boxes IX. Terne Tin.

## PAINTS.

10,000 pounds Pure White Lead.

## LUMBER.

500 Hemlock Boards.

200 " Joist, 3 x 4.

2,000 pieces Pine Sheathing Boards.

119 " Spruce Plank, 4 x 4 x 16 feet.

76 " " 3 x 6 x 13 "

36 " " 3 x 6 x 19 "

8 " " 3 x 6 x 27 "

4 " " 4 x 6 x 19 "

20 " " 4 x 6 x 16 "

6 " " 4 x 10 x 12 "

20 " " 4 x 8 x 21 "

6 " " 4 x 8 x 26 "

25 " " 4 x 8 x 12 "

30 " " 4 x 4 x 12 "

50 1/4 M. bundles Pine Shingles, 16 inches.

20 pieces Round Lumber, 6 in. x 12 ft.

1,400 bushels Sawdust.

4 pieces Spruce Timber, 8 x 10 x 25 feet.

6 " " 4 x 8 x 26 "

72 " " 3 x 10 x 26 "

4 " " 8 x 8 x 10 "

500 Narrow White Pine Ceiling Boards.

10,000 feet Yellow Pine Flooring.

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, December 7, 1878.

## PROPOSALS FOR POULTRY.

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, December 20, 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—

6,400 pounds Turkeys.

7,250 pounds Chickens.

To be of good quality as to age and condition, and subject to careful inspection, and all delivered on Monday, December 23, 1878.

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, December 4, 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—Bella Clark; aged 38 years; 4 feet 9 inches high; black hair; brown eyes. Had on when admitted, red and black plaid dress, green and blue plaid shawl, black silk hat. Nothing known of her friends or relatives.

At Workhouse, Blackwell's Island—Mary Ann Smith; committed October 9, 1878; aged 57 years. Nothing known of her friends or relatives.

At Lunatic Asylum, Blackwell's Island—Letitia, alias Rose Varda, admitted January 10, 1859; aged 50 years; blue eyes; brown hair. Nothing known of her friends or relatives.

At Homeopathic Hospital, Ward's Island—Mary Kelly; aged 43 years; 4 feet 10 inches high; gray eyes; brown hair. Had on when admitted, gray skirt, black sacque, blue and white shawl. Nothing known of her friends or relatives.

By order,  
JOSHUA PHILLIPS,  
Secretary.

## DEPARTMENT OF DOCKS.

DEPARTMENT OF DOCKS,  
Nos. 117 and 119 DUANE STREET,  
NEW YORK, December 3, 1878.

## MONDAY, DECEMBER 16, 1878.

JAMES M. OAKLEY & CO., AUCTIONEERS, will sell at Public Sale, at the Exchange Sales-room, No. 111 Broadway, on

at 12 o'clock M., the right to collect and retain all wharfage which may accrue for the use and occupation by vessels of more than five tons burthen, of the

BULKHEAD AND WATER FRONT AT THE FOOT OF HOUSTON STREET, EAST RIVER,

for the term of fifteen years and six months, from 1st November, 1878.

The terms and conditions under which the lease of the premises will be sold are as follows:

The purchaser shall erect at his own cost a substantial bulkhead at the foot of Houston street, on a line with the easterly line of Tompkins street, extended, and shall fill in the space behind the same to the present bulkhead at Houston street, with solid filling.

He shall also construct on or before 1st January, 1880, at his own expense, at the new bulkhead, a substantial pier on piles, 225 feet long, and forty feet wide, and shall have the right to collect and retain all wharfage which may accrue for the use and occupation thereof during the term of 15 years and six months.

The work of building said bulkhead and pier, and the filling in will be required to be done under the supervision of the Engineer-in-Chief of this Department, and in accordance with plans to be first submitted to, and approved of by that officer. This lease is to be subject to rights already granted by the city for a ferry.

The said pier is to be kept in proper repair, in all its parts, by the lessee, at his own cost, for the term of his occupancy, and at the end of the term, or sooner termination of the lease, shall revert to and become the property of the City free from all claims for cost, repairs, or damage of any kind whatsoever.

All dredging necessary to be done to provide a proper depth of water adjacent to said pier, shall be done by the lessee, at his own cost.

The upset price as the annual rent of the above-named bulkhead and pier, to be hereafter built, is fixed as follows:

For the first term of five years, \$2,000.

For the second term of five years, \$2,250.

For the third term of five years, six months, \$2,500.

The rent to be paid quarterly in advance, in compliance with a stipulation therefor in the form of lease adopted by this Department.

The purchaser of said lease shall have the privilege of erecting at his own cost and expense, in front of the bulkhead on the easterly side of Tompkins street, about 130 feet southerly from the south line of Houston street, extended, a pier upon piles, 225 feet in length, having a width at the bulkhead of about 45 feet, and at the outer end of about 25 feet; provided he shall first obtain and file with the Department the consent, in writing, of the owners of said bulkhead to the erection of said pier.

The pier to be built in accordance with plans, to be first submitted to and approved of by the Engineer-in-Chief of this Department, and the work to be done under the supervision of that officer. And if the said pier shall be built, then the purchaser of this privilege shall pay to the Department of Docks, as rent for the land under water, claimed to be owned by the city, and covered by the pier last mentioned, the sum of \$300 per annum quarterly in advance.

Said rent of \$300 shall be paid to the Department, until the Court of last resort shall determine that the land under water covered by the pier is not the property of the city.

And that in case the final decision shall be to the effect, that the title to said land under water, covered by the pier, is vested in the City of New York, then the rental shall continue to be paid by said lessee, and the pier aforesaid shall, at the end of the term, or sooner termination of the lease, revert to and become the property of the city, free of all claims for cost, damage, or otherwise.

Also, a lease for the term of ten years and six months, from 1st November, 1878, of so much of the

LAND UNDER WATER, LYING ON THE EASTERLY SIDE AND OUTER END OF PIER 36, EAST RIVER,

as will be sufficient to allow said pier to be widened forty-five feet on its easterly side, and to be extended about fifty-three feet at its outer end, after being so widened.

The purchaser of said lease of land under water, shall have the privilege to widen and extend Pier 36, East river, to the limits herein set forth, provided he shall first obtain and file with the Department the consent, in writing, of the owners of said Pier 36, East river, and of the bulkhead adjoining the pier on its easterly side to the said widening and extension be made.

The upset price as the annual rent for the use and occupation of said land under water, is fixed at \$700 per annum, to be paid quarterly in advance, in compliance with a stipulation therefor, in the form of lease adopted by this Department.

The work of said widening and extension to be performed under the direction of the Engineer-in-Chief of this Department, and in accordance with plans, to be first submitted to and approved of by that officer.

Each purchaser of a lease will be required at the time of the sale, and in addition to the auctioneer's fees, to pay to the Department of Docks twenty-five per cent. of the amount of annual rent bid, as security for the execution of the lease, and which twenty-five per cent. will be applied to the payment of the rent first accruing under the lease when executed, or forfeited, if the purchaser neglects or refuses to execute the lease and bond within five days after being duly notified that the lease is prepared and ready for signature. The Commissioners reserve the right to resell the leases bid off by those failing to comply with these terms; the party so failing to be liable for any deficiency which may result from such resale.

Two sureties, each a freeholder and householder in the City of New York, and to be approved by the Commissioners of Docks, will be required, under each lease, to enter into a bond jointly with the lessee, in the sum of an amount double the annual rent, for the faithful performance of all the covenants of the lease; and each purchaser will be required to submit, at the time of the sale, the names and address of his proposed sureties.

Each purchaser will be required to agree that he will, upon being notified so to do, execute a lease prepared upon the printed form adopted by the Department, which can be seen upon application to the Secretary, at the office, 119 Duane street.

No person will be received as lessee or surety who is delinquent on any former lease from the Corporation; and 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 surety or otherwise upon any obligation to the Corporation.

JACOB A. WESTERVELT,  
HENRY F. DIMOCK,  
JACOB VANDERPOEL,  
Commissioners of Docks.

## LEGISLATIVE DEPARTMENT.

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

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