

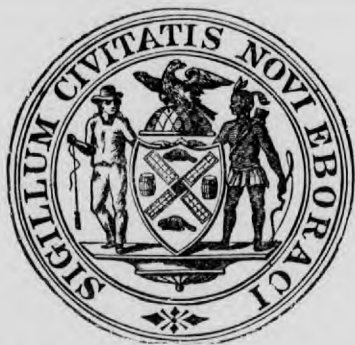
# THE CITY RECORD.

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### DEPARTMENT OF DOCKS.

#### Thirteenth Annual Report for the Year ending April 30, 1883.

CITY OF NEW YORK—DEPARTMENT OF DOCKS,  
Nos. 117 AND 119 DUANE STREET,  
NEW YORK, December 5, 1883.

Hon. FRANKLIN EDSON, 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 30th, 1883, being its Thirteenth Annual report.

Very respectfully, your obedient servant,

JOHN T. CUMING, Secretary.

DEPARTMENT OF DOCKS,  
Nos. 117 AND 119 DUANE STREET,  
NEW YORK, December 5, 1883.

To the Honorable FRANKLIN EDSON, 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, 1882, to the 30th day of April, 1883, being its Thirteenth Annual Report. The following named Commissioners composed the Board on the 30th day of April, 1883:

William Laimbeer, John R. Voorhis, Jacob Vanderpoel.

The law provides that the Annual 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 its attention.

Third—A list of the orders and rules, a description of the contracts, the payments, 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:

##### Commissioners' Office.

John T. Cuming, Secretary.....	\$3,000 00 per annum.
Francis E. Moon, Assistant Bookkeeper.....	1,800 00 "
Edward Dickel, Clerk to Secretary.....	1,500 00 "
James Weir, Clerk.....	1,500 00 "
Charles Miller, Jr., Clerk.....	1,000 00 "
Edward G. Ames, ".....	65 00 per month.
Frederic Perry, Temporary Clerk.....	1,800 00 per annum.
George O. Beach, ".....	1,800 00 "
Hugh J. Kelly, ".....	100 00 per month.
George W. Wanmaker, Corporation Wharfinger.....	100 00 "
James Fitzpatrick, ".....	100 00 "
John Butler, ".....	100 00 "
John M. Smith, Temporary Wharfinger.....	100 00 "
William L. McConkey, Temporary Wharfinger.....	100 00 "
John McKeon, ".....	100 00 "
Michael J. Gallagher, ".....	2 50 per day.
Jeremiah Hogan, ".....	2 50 "
Frederick W. Beatty, Office Messenger.....	65 00 per month.
Theodore S. Croft, Messenger.....	65 00 "
George S. Hunt, ".....	6 00 per week.
Amzi Cook, Doorman.....	50 00 per month.
James W. Marshall, Night Watchman.....	2 25 per day.
Daniel Connolly, Sunday Watchman.....	2 60 "
Catharine Hart, Cleaner of Offices.....	26 00 per month.

##### Office of Engineer-in-Chief.

George S. Greene, Jr., Engineer-in-Chief.....	\$6,000 00 per annum.
Willard A. Nichols, First Assistant Engineer.....	3,000 00 "
Thomas J. Long, Assistant to Engineer-in-Chief.....	1,500 00 "
Edward C. Reynolds, ".....	1,200 00 "
Maurice R. Thompson, Temporary Clerk to Engineer-in-Chief.....	1,200 00 "
Robert M. Kid, Draughtsman.....	1,200 00 "
Otto Sibeth, Assistant Draughtsman.....	21 00 per week.
William Livingstone, Temporary Searcher of Water Grants.....	125 00 per month.
Frederick Lange, Stationery Clerk and Messenger.....	100 00 "
George W. Nicholson, Temporary Clerk.....	1,000 00 per annum.
James W. Dorsett, ".....	1,000 00 "

##### Construction Force.

William W. Maclay, Superintendent of Section.....	\$2,500 00 per annum.
Thomas Murphy, ".....	1,800 00 "
Ephraim R. Dingley, Temporary Superintendent of Machinery.....	1,500 00 "
John Dunn, Master Dockbuilder.....	1,800 00 "
Patrick White, Foreman of Piling and Woodwork.....	100 00 per month.
Frederick P. Thompson, Surveyor.....	1,500 00 per annum.
John B. Packer, Temporary Assistant Surveyor.....	100 00 per month.
George Riedemann, Temporary Rodman.....	75 00 "
John W. Beane, Leveler.....	75 00 "
William Rainer, Foreman Floating Property.....	100 00 "
Robert M. Sterritt, Foreman of Gansevoort street Yard.....	100 00 "
Patrick H. McCullough, Roundsman.....	100 00 "

During the year the following mentioned resignations, increases of pay, removals and new appointments have taken place, and one death occurred:

May 3, 1882.—Resignation of James R. Byrne, as Temporary Clerk, accepted.

May 3, 1882.—Resignation of James Dana, Jr., Clerk to the Engineer-in-Chief, accepted.

May 3, 1882.—John J. Moran, Temporary Clerk, removed.

May 5, 1882.—Robert C. Morris, Doorman, removed.

May 3, 1882.—Amzi Cook, appointed Doorman, with compensation of \$50 per month, from date.

May 4, 1882.—Compensation of William Rainer, Foreman of Floating Property, fixed at \$100 per month, from 1st instant.

May 4, 1882.—Charlton B. Kid, promoted to Assistant Engineer Mechanical, and Superintendent of Section, with compensation of \$3,000 per annum, from 1st instant.

May 17, 1882.—Compensation of Theodore S. Croft, Messenger, increased to \$65 per month, from 1st instant.

May 28, 1882.—Death this day of Charlton B. Kid, Assistant Engineer Mechanical, and Superintendent of Section.

June 1, 1882.—Resignation of John H. Staats, Assistant to Superintendent of Section, to take effect on the 15th instant, accepted.

June 7, 1882.—Mortimer T. Jeffries, appointed Temporary Clerk to the Engineer-in-Chief, in place of James Dana, Jr., resigned, with compensation of \$1,000 per annum, from the date he reports for duty.

June 14, 1882.—Maurice R. Thompson, appointed Temporary Clerk to the Engineer-in-Chief, with compensation of \$1,000 per annum, in place of Mortimer T. Jeffries, who declined to accept.

June 14, 1882.—George Riedemann, appointed Temporary Rodman, with compensation of \$12 per week, from 8th instant.

June 21, 1882.—John McKeon, appointed Temporary Wharfinger, with compensation of \$100 per month, from 15th instant.

July 24, 1882.—Patrick White, Foreman Dockbuilder, promoted to Foreman of Piling and Woodwork, with compensation of \$100 per month, from August 1st, 1882.

July 24, 1882.—Thomas Murphy, Master Mason, placed in charge of the West Twenty-third street Section as Superintendent of Section.

July 26, 1882.—William Livingstone, appointed Temporary Searcher of Water Grants, with compensation of \$100 per month, from 1st instant.

August 10, 1882.—Compensation of Charles Miller, Jr., Clerk, increased to \$1,000 per annum, from 1st instant.

August 16, 1882.—Compensation of Frederic Perry, Temporary Clerk, increased to \$1,800 per annum, from 1st instant.

August 16, 1882.—Ephraim R. Dingley, appointed Temporary Superintendent of Machinery, with compensation of \$1,500 per annum, from 17th instant.

August 16, 1882.—Resignation of John M. Smith, Corporation Wharfinger, accepted, to take effect September 1st, 1882.

August 16, 1882.—George W. Wanmaker, appointed Corporation Wharfinger, with compensation of \$1,000 per annum, from September 1st, 1882.

August 23, 1882.—Compensation of Maurice R. Thompson, Temporary Clerk to the Engineer-in-Chief, increased to \$100 per month, from September 1st, 1882.

August 23, 1882.—Compensation of George Riedemann, Temporary Rodman, increased to \$75 per month, from September 1st, 1882.

September 25, 1882.—Resignation of William A. Dawson, as Leveler, to take effect at once, accepted.

December 6, 1882.—Compensation of William Livingstone, Temporary Searcher of Water Grants, increased to \$125 per month, from 1st instant.

December 13, 1882.—John W. Beane, appointed Leveler, with compensation of \$75 per month, from 14th instant.

December 13th, 1882.—Edward C. Reynolds, appointed as an Assistant in the Engineering Force, with compensation at the rate of \$1,200 per annum, from 16th instant.

February 12, 1883.—Resignation of William M. Whitney, Chief Clerk, from 10th instant, accepted.

February 15, 1883.—George O. Beach, appointed Temporary Clerk, with compensation at the rate of \$1,800 per annum, from 16th instant.

February 28, 1883.—Compensation of George W. Wanmaker, Corporation Wharfinger, increased to \$1,200 per annum, from February 1st, 1883.

February 28, 1883.—Catherine Hart, appointed to clean the offices, with compensation of \$26 per month, from February 3d, 1883.

March 21, 1883.—John M. Smith, appointed Temporary Corporation Wharfinger, with compensation of \$100 per month, from date.

March 21, 1883.—Compensation of James Weir, Clerk, increased to \$1,500 per annum, from 1st instant.

April 4, 1883.—George W. Nicholson, appointed Temporary Clerk in the office of the Engineer-in-Chief, with compensation of \$1,000 per annum, from 2d instant.

April 18, 1883.—Resignation on 13th instant of Maurice R. Thompson, Temporary Clerk to the Engineer-in-Chief, accepted.

April 18, 1883.—James W. Dorsett, appointed Temporary Clerk to the Engineer-in-Chief, in place of Maurice R. Thompson, resigned, with compensation of \$1,000 per annum, from this date.

April 25, 1883.—Resignation of John B. Packer, Temporary Assistant Surveyor, accepted.

#### SECOND.

The Board submits the following statement of the subjects and duties which have engaged its attention during the year ending April 30, 1883:

##### I.—ORGANIZATION.

May 3, 1882.—Commissioner Laimbeer, elected President for the year ending April 30, 1883.

May 3, 1882.—Commissioner Vanderpoel, re-elected Treasurer for the year ending April 30, 1883.

February 14, 1883.—Resignation of Commissioner Vanderpoel, as Treasurer, accepted.

February 14, 1883.—Commissioner Voorhis, elected Treasurer, pro tem.

##### II.—GENERAL DUTIES.

The duties devolved upon this Department by law comprise, among others, the following, many of which are purely legislative, and were exercised by the State Legislature prior to the creation of this Board:

The management and supervision of all the piers and entire water-front of the city, and the duty of seeing that the whole of this property, both public and private, is kept properly dredged, and 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 aside of parts of it for such purposes as may be best calculated to promote the interests of our city.

The duty of passing upon all erections, structures and superstructures, and upon every proposed modification or increase of terminal facility on the water-front.

The duty of carrying out the reconstruction, on the new plan, of the whole water-front property.

And generally, the obligation to watch over and promote the commercial growth of the city by introducing, from time to time, every practicable improvement into its wharf and dock system.

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

These improvements have received the personal attention of the Commissioners, so far as their office duties would permit, and much of the work was visited by them, both individually and together, during the progress of the several contracts—notably, the paving of the newly-made land lying between the bulkhead wall and the westerly line of West street, and extending from Pier, new 34, to Pier, new 44, North river; new Pier at Forty-sixth street, North river; crib bulkhead, between Seventy-eighth and Seventy-ninth streets, North river; repairs at Twenty-third street, East river; Pier No. 15, East river; Pier and bulkhead at Fifth street, East river, and Seventy-eighth to Seventy-ninth streets, East river, together with those set forth in the report of the Engineer-in-Chief.

The Board having in view the necessity of providing increased wharfage facilities, both upon the North and East river water-front, in order to supply the wants and requirements of the growing business interests of the city, and to promote its commercial prosperity, has requested the Commissioners of the Sinking Fund to take action in the matter of adopting an exterior line for the East river water-front, from Grand street to Thirty-fourth street, and in accordance with the request of the Comptroller of the City, the proposed plan for the permanent improvement of that section, as prepared by the Engineer-in-Chief of this Department, was laid before the Commissioners of the Sinking Fund for their examination and comparison with the original plans submitted in 1871 for that section, before acting on either plan. This plan, together with estimates, appendices, etc., were transmitted with a communication from the President of this Board, embodying the views of the Commissioners in respect thereto, and presenting the main arguments in its favor, showing the advantages to be derived by the city and the public generally from its adoption.



The following is a copy of the communication :

DEPARTMENT OF DOCKS,  
NEW YORK, January 12, 1883. }

Hon. ALLAN CAMPBELL, Comptroller City of New York :

SIR—I beg leave to advise that at a meeting of the Board governing this Department, held 10th instant, the following resolution was adopted, to wit :

"Resolved, For the purpose of affording the Commissioners of the Sinking Fund all the information, arguments and reasons in the possession of this Board in relation to the advantages of the plan recently submitted to this Board by the Engineer-in-Chief for the permanent improvement of the water-front on the East river, between Grand street and Thirty-fourth street, over the plan approved by the Dock Commissioners, and submitted to the Commissioners of the Sinking Fund in 1871 (and which is awaiting the approval or rejection of the said Commissioners, and who have referred the question of the approval or rejection thereof to the Comptroller of the City for his consideration and report thereon), that the maps and a copy of all the appendixes accompanying the same be transmitted to the Comptroller of the City, with a letter to be prepared by the President, setting forth in detail the advantages of the plan recently proposed by the Engineer-in-Chief over the plan proposed in 1871."

In accordance with the foregoing resolution, I desire to present the following as some of the more important reasons and arguments to be advanced in favor of the plan now proposed over that submitted for this particular section in 1871 :

1st. That, by the plan now submitted, there is a provision made for 47,464 feet of wharfage room, while, by the former plan, the length of wharfage room is only 34,475 feet ; showing increased wharfage facilities of nearly 13,000 feet, or about 2½ miles.

2d. That provision is made for piers of sufficient capacity to accommodate the largest class of vessels coming to the port, as well as vessels engaged in domestic commerce ; it being proposed to build forty piers 60 feet wide, and varying in length from 202 feet to 720 feet, with slips about 200 feet in width between them, and to be done without making any material encroachment on the already narrow and swift current of the East river.

3d. That the estimated cost and expense of the improvements to be made by this plan are as follows :

For assessed value of private property to be taken.....	\$2,315,700 00
Add 50 per cent.....	1,157,850 00
Private property required.....	\$3,473,550 00
For dredging over entire area between the bulkhead and pierhead lines.....	855,500 00
For building the bulkhead or river wall, and for sewers, filling, etc., etc.....	3,091,500 00
For building forty piers, equal to and covering an area of 1,081,620 square feet.....	1,297,944 00
For paving marginal street, estimated at 144,800 square feet, at \$4.....	579,200 00
	\$9,297,694 00
Add for contingencies 10 per cent.....	929,769 40
Total estimated cost.....	\$10,227,463 40

Of which amount it is proper to state that the sum of \$3,473,550, for property to be acquired, and the sum of about \$150,000, for dredging the present solid earth filling, amounting in the aggregate to the sum of \$3,623,550, appears to be the additional cost of carrying out the present plan over that of the one submitted in 1871. While the actual gain to the Corporation of the City of New York would be much more, relatively, when it is taken into consideration that by the adoption of this plan and acquiring the private property necessary to carry it out, the city becomes the owner of the entire water-front covered by the plan, and of which at the present time the city does not own but a small portion ; that this section would be improved by the construction of new piers, giving at least one-third more wharfage capacity for the accommodation of commerce, and rendered free of access to the business community by the construction of a marginal or river street 175 feet in width.

4th. That by the adoption of this plan the business community on the east side of the city would be greatly benefited, and the commercial interests of that portion of the city correspondingly revived and improved, the material interests of the Corporation of the city, as well as of the whole community, conserved by the development of the East river water-front as proposed, whereby increased facilities and ample accommodations could be offered to the regular steamboat lines and transportation companies running between this city and eastern ports, as inducements to remove from the overcrowded piers on the North river, where many of the lines are now located, and thus relieve in some measure that portion of the water-front, which is now insufficient in capacity for the demands of trade and commerce ; besides which the additional safety from accidents and collisions to be derived from being located on the East river, causing a saving of time and distance, and preventing all dangers to navigation from the steamboats of those lines in coming round the Battery from the North river.

5th. That at a reasonable estimate the amount of revenue to be derived from the piers and bulkheads to be constructed under the proposed plan would be at least \$200,000\* per annum, a gain of about \$60,000, annually, over the amount which would be realized from the wharf property if constructed under the plan of 1871.

6th. That from the natural formation of the westerly shore-line of the East river, from Thirty-ninth to Eighty-sixth street, the swiftness of the current and the narrowness of the channel, and also from the great depth of water and the nature of the river bottom being rock, the use of any part of this section of the water-front for general wharf purposes is extremely limited, and in order to afford adequate accommodations for the wants of this portion, almost closed as it is to use for wharf purposes, it is requisite to render the river front to the south as available as possible by increasing to the utmost extent all the wharfage facilities that can be made.

Very respectfully,  
WM. LAIMBEER, President.

It is hoped and expected that prompt action will be taken by the Commissioners of the Sinking Fund in respect to this matter, as the necessities of the public require enlarged and better wharfage accommodations for the increased and annually increasing commerce of this city.

The work of the Department in the permanent improvement of the water-front north of Twenty-third street, North river, has been greatly impeded by the action of various parties who obtained injunctions restraining this Department from proceeding with the work until the rights of the several parties were legally determined, and in consequence it has been compelled to stop the prosecution of the work of making the permanent improvement between Twenty-third and Twenty-fourth streets, Twenty-fifth and Twenty-sixth streets, Twenty-sixth and Twenty-seventh streets, and for the south half of the block between Twenty-eighth and Twenty-ninth streets, North river, and also at the foot of Forty-fourth street, North river, and as these proceedings were instituted after the work had been commenced and considerably advanced, large amounts of money were necessarily expended on the same before the injunctions were obtained and served. The delay occasioned by these proceedings has been unfortunate, but it is hoped by the Commissioners that through the active and diligent efforts of the Counsel to the Corporation, these injunctions will soon be dissolved and that they may be enabled to continue the work at these several places, and prosecute the same to a speedy completion.

The Commissioners governing this Department have for the past four years advocated a change in the established bulkhead and pier head lines of the North river water-front from West Tenth to West Twenty-second street, it being in their judgment a public necessity that a radical change be made in respect to the same, in order to provide suitable and proper wharf accommodations for the rapidly increasing commerce of this city, and in pursuance of that idea a plan was presented in the year 1880, whereby the wharfage facilities of this section would be increased from 7,600 feet, as shown by the present established plan to about 25,570 feet, as provided for in the proposed plan, which would make over 4½ miles of wharfage room, as against less than 1½ miles under the established plan, a gain of more than two-thirds. In view of all the facts and from careful examination and consideration of the subject, the Commissioners unanimously decided that some action should be taken to obtain the necessary authority to change the plan, and favored an application to the Legislature of the State at the session of 1883, to pass an act authorizing the proper authorities of this city to modify or change the present established lines for that section, so as to allow the better improvement and development of the same for the purposes of commerce, but unfortunately the necessary legislation was not obtained, although the bill for that purpose was passed by the Senate branch of the Legislature almost unanimously, and only failed in the Assembly for the want of time to bring it up in its regular order before the close of the session. It is the earnest hope of the Commissioners that the Legislature of 1884 will take the matter into consideration, and by legislative enactment provide for the modification or alteration of the plan of 1871, so as to permit the work of the permanent improvement to be proceeded with under the proposed plan or some other suitable plan to be approved of by the Commissioners of the Sinking Fund, and thereby increase the commercial prosperity and welfare of the community.

#### Revenues, Expenses, etc.

The total revenues of the Department which have accrued within the year amount to \$1,162,893.96, being an increase over the preceding year of \$100,731.42.

In addition to the foregoing, a sum approximating \$130,000, was, under a recent statute, received by the Finance Department of the City Government for the use of Corporation wharf property for ferry purposes, and while this Department is called upon in many instances, under the leases made by the Commissioners of the Sinking Fund, to maintain and keep said property in order, it derives no revenue therefrom.

\* By a subsequent communication this amount was increased 50 per cent., making the amount of estimated revenue \$300,000 per annum as a reasonable sum to be derived from the wharf property under the proposed plan.

The Department deposited, during the year, with the City Chamberlain for the redemption of the city debt, the sum of \$1,136,700.16.

The audited expenses during the year amount to \$953,007.85, being for new work ; construction, \$757,725.01 ; for repairs to piers, etc., not built on the new plan, \$155,526.97, and for office rent, clerk hire and general expenses of principal office, \$39,755.87.

#### THIRD.

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

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

May 17, 1882.—Resolution adopted : "That all applications for permits for tally-houses, offices, derricks, hoisting engines, etc., on the piers or bulkheads on the water-front of this city, must be in writing, and will only be granted conditionally on strict compliance with the following provisions :

First—"That the consent or assent of the owner or lessee of the wharf property on which the structure is to be located is first obtained in writing, endorsed on the application and filed in the office of this Department."

Second—"That such enclosed tally-house or other structure be constructed in accordance with the plans and designs for such structures as prepared by the Engineer-in-Chief, and which have been or may hereafter be approved of by this Board and placed on file in the office of the Department, and that in no case shall the dimensions thereof exceed four feet in width by six feet in length and eight and one-half feet in height to peak of the roof, external measurement, and the same to be mounted on iron wheels twelve inches in diameter."

Third—"That all derricks for which permits are granted shall be put up under the supervision of the Engineer-in-Chief, and they shall be examined periodically by him to report as to the condition and safety of the same, and when required by this Board, shall be forthwith removed."

Fourth—"That all permits granted by this Board for the maintenance and use of any office, tally-house, derrick, hoisting-engine or other structure or article, be issued only during the pleasure of the Board, and shall terminate and expire on the first day of May following the issuance thereof, unless the same be sooner revoked by the Board."

June 14, 1882.—Resolution adopted : "That if any watchman or other employee of this Department shall receive any compensation or emolument of any kind or nature whatsoever from other parties for services while employed by this Department, or shall sell or dispose of any property of this Department, or who shall permit or allow any material or property of any kind or nature which may be placed under his charge to be removed or disposed of in any manner whatsoever unless by direction of the proper officers of the Department, or by direction of the Board, he shall be subject to be summarily dismissed from the service of this Department."

June 14, 1882.—Resolution adopted : "That all permits for the use and maintenance of tally-houses and offices on the piers or bulkheads on the water-front of the city, and which have heretofore and prior to the first day of May, 1882, been issued by this Department, be and the same are hereby rescinded and revoked, and all structures to be used for tally-houses and offices hereafter permitted to be used on the piers or bulkheads in the city, must be constructed and erected in accordance with the rules adopted by this Board in respect thereto, and the construction of the same be approved of by the Engineer-in-Chief of this Department."

June 28, 1882.—Resolution adopted : "That no hoisting-mast or derrick be permitted to be erected or maintained on any pier owned by the city, except that in use of the same for hoisting by horses or mules, there shall be placed upon the deck of any and every pier so used a temporary platform of wood whereon the horses or mules shall walk to and fro in the performance of the work of hoisting, and any failure to have and to use said temporary platform at all times when horses or mules are employed in hoisting on any pier so owned by the city, will cause an immediate revocation of any permit or authority that may have been issued by the Department of Docks, granting permission for the erection and maintenance of such hoisting-mast or derrick upon said pier."

June 28, 1882.—Resolution adopted : "That the Corporation wharfingers are hereby directed to report from time to time, each and every case of non-compliance with the provisions of the foregoing resolution."

June 28, 1882.—Resolution adopted : "That from and after this date, none of the plant of any kind or nature belonging to and used by this Department be loaned to or permitted to be used by any parties whatsoever, either for pay or otherwise, unless the same be granted in special cases of emergency, and then only by the unanimous consent of all the members of the Board."

July 14, 1882.—Resolution adopted : "That the rate of compensation to be paid to the laborers and dock-builders employed in the service of this Department from and after July 15th instant, be and hereby is made as follows :

"For laborers 23 cents per hour, instead of 20 cents as heretofore ; for dock-builders 28 cents per hour instead of 25 cents as heretofore."

September 6, 1882.—Resolution adopted : "That no application will be entertained for the testing of artificial stones, betons, hydraulic limes and other materials, unless the parties, on making the application, shall pay to the Treasurer of this Department the sum of \$10 for the expenses incurred in making such test."

November 1, 1882.—Resolution adopted : "That hereafter all applications made to this Board for permission to repair existing structures, or for new improvements on the water-front of the city, must be made by the owners or persons claiming to own the premises requiring repairs or other improvements to the same, and when required by the Board, all applications shall be accompanied by such documentary evidence as may be required to prove the title of the applicant thereto."

November 17, 1882.—Resolution adopted : "That the officers, time-keepers and other employees of the Department, upon whom devolves the duty of preparing the time lists for the half monthly pay-rolls, or of passing upon or approving the monthly pay-rolls, or of passing upon or approving claims or bills for material and supplies furnished and for services rendered, be and hereby are directed and required to cause to be prepared and entered upon or attached to the said time-lists and monthly pay-rolls, within five days after the date to which such time-lists and pay-rolls extend, and to the said claims or bills within ten days after such material, supplies or services become exhausted, in the work of the Department, an apportionment, showing in such detail as may be necessary, the exact property or location upon the water-front to which the expenditure incurred thereby respectively, is properly chargeable."

November 17, 1882.—Resolution adopted : "That the Engineer-in-Chief be and is hereby directed to cause all pay-rolls and claims or bills for material, supplies or services, audited by this Board since May 1, 1878, for work under his charge, and not already apportioned in conformity with the spirit of the foregoing resolution, to be so apportioned at the earliest possible date."

December 13, 1882.—Resolution adopted : "That hereafter all official communications transmitted to the Comptroller and to the Counsel to the Corporation, be signed by the President of this Board only."

February 14, 1883.—Resolution adopted : "That the Corporation wharfingers be and hereby are required and directed to make, on blanks properly prepared for the purpose, daily returns to the Commissioners, of all vessels that are berthed at any and all of the unleased piers, slips, bulkheads, or other wharf property of the Corporation of the City of New York, giving the name and kind of vessel, its tonnage, whether occupying an inside or outside berth, and the name of the captain or consignee thereof."

February 21, 1883.—Resolution adopted : "Resolved, That for the purpose of acquiring and maintaining an accurate knowledge and accountability of the property and work of the Department, that the following system be adopted for the accounting of all material and supplies purchased by the Department, and of the cost of all work of construction and repairs of wharves and piers, the property of the corporation :

"1st. An inventory to be taken and a statement to be rendered by the Engineer-in-Chief on March 1st proximo and thereafter quarterly, to wit : on the 1st days of May, August, November and February in each and every year, and all material and supplies on hand that date, giving in detail every kind of material and supply, where located and the quantity thereof, and the number of the Treasurer's order or contract under which the same was purchased respectively."

"2d. All bills remaining unapportioned on the said 1st day of March proximo are to be apportioned that date to the extent of the material or supplies then expended or used in the work, and the aggregate of the unapportioned parts of such bills, together with the value of material unused, purchased under contracts or prior to May 1st, 1878, to be agreed with the total of the statement of material on hand."

"3d. A daily report to be made to the Commissioners' Office, through the Engineer-in-Chief, by every officer or employee, of the material and supplies received by each respectively, stating the kind of material or supplies, quantity thereof, and from whom received."

"4th. A daily report to be made to the Commissioners' Office, through the Engineer-in-Chief, by every officer or employee, of the material or supplies in their respective charge, issued or transferred to any other officer or employee, stating the kind of material or supplies, quantity thereof, number of Treasurer's order or contract purchased under, the location of which issued or transferred, and the quantity remaining on hand."

"5th. A semi-monthly report to be made to the Commissioners' Office, through the Engineer-in-Chief, by every officer or employee, of the material and supplies used or expended during that period in the work of construction or repairs under his respective charge, stating kind of material or supplies, quantity used or consumed, number of Treasurer's order or contract purchased under, and the location and part of the work upon which used or expended."

"6th. A semi-monthly report to be made to the Commissioners' Office, through the Engineer-in-Chief, by every officer or employee, of the work upon which wages for that period were earned by the force under his respective charge, stating the location and part of work upon which the wages were earned, and the amount of each kind thereof respectively."

"7th. A record of material and supplies to be kept at the Commissioners' Office, and at every place, location or work at which any material or supplies are delivered, to be charged with the quantity thereof as given by the daily report of the respective officers in charge, and to be credited



with any material or supplies issued or transferred as stated in the daily report of said officer, or consumed or expended in the work thereat as shown in his semi-monthly report. A separate record to be kept for the yards, and one each for the work on the North and East river water-front.

"8th. All bills and expenditures incurred by the work of construction and repairs under the charge of the Engineer-in-Chief to be apportioned in the Commissioners' Office, in conformity with the semi-monthly reports made through that officer of the quantity of material and supplies used and expended, and of the wages earned upon each work respectively, which, together with the like apportionment of the expenditures of the Commissioners' Office, will give the actual cost of each work, and the amount expended thereon semi-monthly while in progress."

March 7, 1883.—Resolution adopted: "That hereafter, upon all work done by the Department under contract, the Engineer, through the inspector of each and every contract, shall, as far as practicable, keep a daily record of all materials used, and that at the completion of each contract the Engineer shall forward to this Board the Inspector's report, and also his own estimate of quantities upon which the estimates are based by contractors, in order that this Board may have a proper understanding and knowledge of the cost of its work."

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

June 8, 1882.—Awarded to John Gillies, of 137 Kent street, Brooklyn, L. I., for building a new wooden pier at the foot of Forty-sixth street, North river. No. 158, dated June 10, 1882. Expiration, October 15, 1882. Contract price, \$41,729.

June 14, 1882.—Awarded to John Kelly, of 125 William street, Brooklyn, L. I., for building a crib bulk-head with appurtenances, from Seventy-eighth to Seventy-ninth street, North river. No. 157, dated June 16, 1882. Expiration, September 15, 1882. Contract price, \$18,060.

June 14, 1882.—Awarded to William Kelly, of 609 West Forty-seventh street, for removing existing plank roadway, earth, etc., from the newly made land near Pier, new 1, North river, and for paving the same with granite blocks, and for laying cross-walks. No. 159, dated June 16, 1882. Expiration, August 16, 1882. Contract price, \$13,900.

June 26, 1882.—Awarded to P. Sanford Ross, of 104 Hudson street, Jersey City, for dredging the slips in the vicinity of the dumps at the foot of West Twelfth and West Thirty-seventh streets. No. 161, dated June 27, 1882. Expiration, July 31, 1882. Contract price, \$3,600.

June 26, 1882.—Awarded to Warren Roosevelt, of 257 South street, for repairing Pier 15, East river, its bulkhead and return. No. 162, dated June 27, 1882. Expiration, October 1, 1882. Contract price, \$14,480.

August 2, 1882.—Awarded to P. Sanford Ross, of 104 Hudson street, Jersey City, for dredging the westerly half of the slip between Piers 18 and 19, East river. No. 163, dated August 7, 1882. Expiration, September 1, 1882. Contract price, \$3,510.

August 23, 1882.—Awarded to Charles Guidet, of 237 Broadway, for paving the newly made land between Piers, new 42 and new 45, North river. No. 164, dated August 25, 1882. Expiration, December 1, 1883. Contract price, \$47,584.

October 2, 1882.—Awarded to Richard Cronin, of 138 Luqueer street, Brooklyn, L. I., for repairing bulkhead and platform between Piers 20 and 21, East river, and the Pier at the foot of Third street, East river. No. 166, dated October 6, 1882. Expiration, November 15 and December 1, 1882. Contract price, \$5,587.

October 4, 1882.—Awarded to Charles Guidet, of 237 Broadway, for removing the existing plank roadway, paving, earth, etc., from the newly made land extending from about fifty feet southerly of Pier, new 34, to about the southerly side of Pier, new 38, North river, and for paving the same with granite blocks, and for laying crosswalks. No. 167, dated October 6, 1882. Expiration, December 20, 1882. Contract price, \$83,383.

October 13, 1882.—Awarded Union Dredging Company, of 83 and 84 Astor House, for dredging at the foot of East Twenty-fifth street, East river. No. 169, dated October 16, 1882. Expiration, October 31, 1882. Contract price, \$2,700.

October 25, 1882.—Awarded John B. Devlin, of 812 Lexington avenue, for paving from the south side of Pier, new 38, North river, to fifty feet north of Pier, new 41, North river. No. 168, dated October 27, 1882. Expiration, December 20, 1882. Contract price, \$73,820.

November 6, 1882.—Awarded to Union Dredging Company, of 83 and 84 Astor House, for dredging at the foot of East Twenty-fourth street, East river, at the dumping-boards on Pier 61, East river, at the foot of East Seventeenth and East Twenty-second streets, East river, and West Forty-seventh street, North river. No. 172, dated November 8, 1882. Expiration, January 1 and 15, 1883. Contract price, \$16,665.

November 6, 1882.—Awarded to Moses Engel, of 187 West street, for repairing the bulkhead at the Department Yard, foot of East Seventeenth street, East river. No. 170, dated November 8, 1882. Expiration, January 1, 1883. Contract price, \$5,975.

November 13, 1882.—Awarded to John Gillies, of 137 Kent street, Brooklyn, L. I., for repairing Pier and bulkhead at Fifth street, East river. No. 171, dated November 14, 1882. Expiration, February 15, 1883. Contract price, \$14,706.

December 6, 1882.—Awarded to Flaherty & O'Connell, of 41 Peck Slip, for repairing the Pier at East Twenty-third street, East river. No. 175, dated December 9, 1882. Expiration, February 15, 1883. Contract price, \$9,495.

December 6, 1882.—Awarded to Joseph Walsh, of 114 Wall street, for repairing the bulkhead and platform at foot of One Hundred and Thirtieth street, North river. No. 174, dated December 8, 1882. Expiration, February 15, 1883. Contract price, \$2,349.

December 21, 1882.—Awarded to John Gillies, of 137 Kent street, Brooklyn, L. I., for building crib-bulkhead and platform at Seventy-ninth street, East river, and for repairing existing bulkhead and platform from Seventy-eighth to Seventy-ninth streets, East river. No. 176, dated December 23, 1882. Expiration, March 31, 1883. Contract price, \$8,082.

April 4, 1883.—Awarded to John Gillies, of 137 Kent street, Brooklyn, L. I., for repairing small pier between Piers 51 and 52, East river. No. 180, dated April 9, 1883. Expiration, May 15, 1883. Contract price, \$887.

April 4, 1883.—Awarded to Richard Cronin, of 138 Luqueer street, Brooklyn, L. I., for building a crib-bulkhead and platform at the foot of Seventy-fifth street, East river. No. 177, dated April 9, 1883. Expiration, June 12, 1883. Contract price, \$1,700.

April 4, 1883.—Awarded to Richard Cronin, of 138 Luqueer street, Brooklyn, L. I., for repairing Pier 52, East river. No. 179, dated April 9, 1883. Expiration, June 12, 1883. Contract price, \$2,875.

April 4, 1883.—Awarded to William P. Kelly, of 187 West street, for repairing the under-structure of Pier 42, North river. No. 178, dated April 6, 1883. Expiration, June 12, 1883. Contract price, \$1,819.

April 25, 1883.—Awarded to James D. Leary, of 73 William street, for building platform at Blackwell's Island, East river. No. 181, dated April 27, 1883. Expiration, June 28, 1883. Contract price, \$1,589.

April 25, 1883.—Awarded to James D. Leary, of 73 William street, for building a crib-bulkhead at the foot of Ninety-ninth street, East river, and for filling in rear of same. No. 182, dated April 27, 1883. Expiration, August 15, 1883. Contract price, \$6,621.

April 25, 1883.—Awarded to James D. Leary, of 73 William street, for building a bulkhead platform at the foot of One Hundred and Fourth street, Harlem river. No. 183, dated April 27, 1883. Expiration, June 30, 1883. Contract price, \$1,094.

April 25, 1883.—Awarded to John Gillies, of 137 Kent street, Brooklyn, L. I., for building a pier at West Fifty-fifth street, North river. No. 184, dated April 28, 1883. Expiration, September 30, 1883. Contract price, \$30,296.

## 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 1, 1882, to April 30, 1883, amounting in all to the sum of \$953,007.85, and herewith submit, annexed to the Statement of the Revenues and Disbursements, a full showing of said payments, and for what purposes.

## IV.—LEASES MADE BY THE BOARD.

I.—All leases made during the year, both at public sales and by resolution of the Board, 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 the time, rental, to whom, and for what property each of said leases was respectively made, and permits granted.

The Rent Roll herewith submitted shows fully, as required by law, all leases made during the year. It also gives the termination of all leases during said period, and all leases and permits in force on the first day of May, 1883.

II.—Consents of the Board have been given to the following assignments of leases of wharf property, to wit:

May 3, 1882.—To Hartford and New York Steamboat Company to assign to the Hartford and New York Transportation Company, lease of north half of Pier 24, East river.

September 6, 1882.—To Frank Phelps, lessee, to sublet Pier 40, etc., East river, to the Merchants' and Miners' Transportation Company, but without impairment of any obligation of lessee under his lease.

September 14, 1882.—To Simpson & Spence, agents, lessees, to sublet the northerly half of Pier, New 56, North river, to Arkell & Co., but without impairment of any obligations of lessees under their lease.

III.—Leases or permits for the following named premises have been terminated by the Board: September 25, 1882.—Lease for Bulkhead at Fourteenth street, East river, Daniel Dailey, dispossessed for non-payment of rent.

February 1, 1883.—Lease for bulkhead north of Twenty-third street, East river—Greenpoint Ferry Company; franchise sold by the Comptroller.

February 1, 1883.—Lease of bulkhead and slips east of wharf property of Bridge Company, at Roosevelt street, East river—New York Ferry Company; franchise sold by Comptroller.

February 1, 1883.—Permit for reclaimed land at and south of Fifty-seventh street, East river—Thomas Fitzgerald; discontinued.

March 1, 1883.—Lease of bulkhead at Forty-third street, East river—Michael Kane; discontinued.

March 1, 1883.—Lease for pier at Eleventh street, North river, and bulkhead—Charles E. Boardman; discontinued.

April 1, 1883.—Permit for pipe through bulkhead east side of Pier 43, East river—George V. Hecker & Co.; discontinued.

April 30, 1883.—Lease for bulkhead, etc., west of Pier No. 1, East river—Staten Island Ferry Company; franchise sold by the Comptroller.

April 30, 1883.—Lease for bulkhead at Thirty-fourth street, East river—East River Ferry Company; franchise sold by the Comptroller.

IV.—The following mentioned allowances from rent have been made in settlement of claims against the parties named, as compromised by the Counsel to the Corporation, with the consent of the Comptroller when required:

May 3, 1882.—To Frederick Broege, lessee of pier at Fifty-first street, North river, during 1875, 1876 and 1877, it appearing by receipts produced and the averment of said Broege before death, to his wife, that the whole sum had been paid—allowance, \$414.50.

May 16, 1882.—To R. E. Allen & Co., lessees of south half of pier at Lighthouse street, North river, during 1873 and 1874—suit discontinued in consequence of defense pleading the "Statute of Limitations;" allowance, \$375.

June 7, 1882.—To D. W. C. Ward, lessee of pier at East Twenty-fifth street, East river, during 1872—suit discontinued in consequence of defense pleading the "Statute of Limitations;" allowance, \$300.

November 22, 1882.—To Frederick Habkemeier, lessee of pier at Fifteenth street, North river, during 1876, 1877 and 1878—claim for unpaid rent, \$687.50—compromised for \$481.25; allowance, \$206.25.

December 14, 1882.—To Joseph Gallagher, lessee of pier at Forty-fifth street, East river, during 1878—claim for unpaid rent, \$141.67—compromised for \$100; allowance, \$41.67.

March 15, 1883.—To Patrick Dunican, lessee of pier at One Hundred and Twenty-fifth street, Harlem river, during 1871—suit discontinued in consequence of defense pleading the "Statute of Limitations;" allowance, \$450.

All of which is very respectfully submitted.

WM. LAIMBEER,  
JACOB VANDERPOEL,  
JOHN R. VOORHIS,  
Commissioners of Docks.

JOHN T. CUMING, Secretary.

## STATEMENT OF REVENUES AND DISBURSEMENTS.

Account with the Mayor, Aldermen and Commonalty, and Balance Sheet for April 30, 1883.

STATEMENT OF THE REVENUES AND DISBURSEMENTS OF THE DEPARTMENT OF DOCKS FOR AND DURING THE YEAR ENDING APRIL 30, 1883.

### DOCK AND SLIP RENT.

#### I.—REVENUE:

1. Amount of accrued wharfage uncollected April 30, 1882, as per report for the year ending that date.....	\$1,711 86
Amount of rents and dues accrued and charged in and during the year ending April 30, 1883, including rents for the quarter expiring May 1, 1883, to wit:	
2. To lessees of Corporation wharf property.....	\$1,037,641 08
3. To occupants of land under water, the property of the Corporation, covered by wharf improvements erected by permission of the Department.....	69,585 64
4. Amount of wharfages accrued within the year from unleased Corporation wharf property.....	55,667 24
	<u>1,162,893 96</u>
	\$1,164,605 82

#### II.—DISTRIBUTION:

##### Cash:

Amount of moneys deposited with the Chamberlain prior to May 1, 1882, being in payment, in advance, of rents accruing therefor.....	\$12,161 25
Amount of moneys deposited during the year with the Chamberlain to the credit of the Commissioners of the Sinking Fund, for the redemption of the City debt.....	1,136,700 16
	<u>\$1,148,861 41</u>
Deduct these amounts included in the said moneys, but not applicable to rents payable during the year, to wit:	
Interest on claims settled.....	\$97 50
Sums received 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 May 1, 1883, or subsequently, 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.....	\$28,293 75
Rents paid in advance of due dates in the next ensuing year, by lessees, at their own option.....	650 00
	<u>28,943 75</u>
Collections received from the Counsel to the Corporation in settlement of claims placed in his hands prior to May 1, 1882.....	3,080 00
	<u>32,121 25</u>
Leaving this amount, deposited during the year as rents and dues from Corporation wharf property: (except from premises in use under ferry leases made with the Comptroller).....	\$1,116,740 16
Claims for unpaid rents during the year, placed in the hands of the Counsel to the corporation for collection.....	6,211 43
	<u>\$1,122,951 59</u>

#### III.—BALANCE:

Amount of accrued wharfage remaining uncollected April 30, 1883, in process of collection.....	\$3,391 73
Amount of accrued rents remaining uncollected April 30, 1883 (since paid).....	38,262 50
	<u>\$41,654 23</u>

### DOCK BONDS.

Amount of dock bonds directed to be issued by the Commissioners of the Sinking Fund prior to May 1, 1882.....	\$9,103,500 00
Amount of requisitions for dock bonds made in and during the year ending April 30, 1883.....	\$500,000 00
Add, bonds issued for balance of requisition of December 21, 1881, by order of Commissioners of the Sinking Fund.....	250,000 00
	<u>750,000 00</u>

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, 1875, to April 30, 1883, to be.....

(The amount of revenue accruing through the Department of Docks from corporation wharf property during the same period, from May, 1870, to April 30, 1883, and pledged for the redemption of the City debt, has been.....)

\$9,118,357 80)



## DOCK FUND.

## I.—RECEIPTS:

1. Amount of proceeds of dock bonds approximated as being in the hands of the Comptroller on May 1, 1883, for the uses and purposes of this Department, as per Annual Report for the year ending April 30, 1882.....	\$270,181 84	
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, 1883.....	750,000 00	\$1,020,181 84
2. Amount of moneys received in and during the year, and deposited with the Chamberlain for the uses and purposes of the Department; being reimbursements for the cost of repairs to wharf properties not owned by the Corporation, and for the use of Department appliances and dumping grounds, furnishing maps and tracings, etc.....	31,530 73	\$1,051,712 57

## II.—EXPENDITURE:

Amount of bills and claims audited in and during the year ending April 30, 1883, 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 estimates, etc.....	\$172 95
Cement.....	15,392 89
Coal for tug, pile-drivers, etc.....	5,272 40
Contracts for building new piers and bulkheads	308,893 62
Dredging.....	303 60
Dredging materials and surveying instruments.....	142,673 68
General expenses, including plumbing and gas-fitting on new piers, insurance on sheds, workmen's tools, etc.....	6,161 88
Granite, rip-rap, broken stone, cobble-stone, sand and brick.....	70,279 33
Iron, steel, spikes, nails and mooring posts.....	2,228 97
Lumber, piles and creosoting.....	25,409 41
Maintenance and floating plant and Department yards.....	10,095 01
Stationery, printing and maps.....	1,440 01
Towing.....	385 00
	\$588,768 75

## As per annexed Schedule C:

Salaries of the Commissioners of Docks.....	\$9,000 00
Salaries of the office of the Engineer-in-Chief.....	16,518 14
Salaries of the construction force.....	16,565 86
	42,084 00

## As per annexed Schedule D:

Pay-rolls—	
Surveying force.....	\$7,339 73
Captains, engineers, crews and watchmen on floating property.....	20,324 05
Blacksmiths, stone-cutters, laborers and watchmen in Department yards.....	14,065 45
Masons, dock-builders, laborers and watchmen on works of construction.....	85,143 03
	126,872 26
	\$757,725 01

## 2. For General Repairs:

## As per annexed Schedule E:

Advertising for estimates.....	\$440 20
Contracts for repairing piers, etc.....	81,785 15
Dredging.....	39,484 73
Lumber.....	7,424 13
Miscellaneous expenses, including painting, cleaning piers, etc.....	1,104 48
Printing.....	1,469 50
	\$131,708 19

## As per annexed Schedule F:

Pay-rolls of dock-builders, laborers and watchmen on repairs.....	23,818 78
	155,526 97

## 3. For Annual Expense:

## As per annexed Schedule G:

Advertising public sales, etc.....	\$610 95
Office rent and contingent expenses.....	10,845 57
Stationery and printing for Commissioners' offices.....	2,300 28
	\$13,756 80

## As per annexed Schedule H:

Salaries of officers and appointees.....	25,999 07
	39,755 87
	953,007 85

## III.—BALANCE:

Amount of proceeds of dock bonds approximated as being in the hands of the Comptroller on April 30, 1883, available for the future uses and purposes of this Department; (unpaid audited claims and outstanding warrants being here unconsidered).....

NEW YORK, May 28, 1883.

Approved and adopted:

LUCIUS J. N. STARK,  
WILLIAM LAIMBEER,  
JOHN R. VOORHIS, } Commissioners of 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, 1883.

DR.				CR.
To deposits of money made prior to May 1, 1882, being for payment in advance of rents accruing after that date and credited in this account.....	\$12,161 25			
To deposits of money with the Chamberlain.....	1,168,230 89			
To bills and claims audited for materials and supplies furnished and for services rendered, to wit:				
On construction account.....	\$757,725 01			
On general repairs account.....	155,526 97			
On annual expense account.....	39,755 87			
	953,007 85			
To estimated depreciation in value of floating plant, say 5 per cent. for the year..	9,210 00			
To allowances on claims for rent as compromised by Counsel to the Corporation	1,787 42			
To balance carried forward.....	704,213 07			
	<u>\$2,848,610 48</u>			
		By balance, April 30, 1882, as per report for the year ending that date, to wit:		
		Unpaid balances.....	\$359,734 31	
		Dock funds.....	270,181 84	
		Judgments.....	110,425 87	
		Property.....	378,520 00	
		Contingent fund.....	1,000 00	
			<u>\$1,119,862 02</u>	
		By dock and slip rent.....	1,162,893 96	
		By interest in recovered judgments.....	2,695 54	
		By interest on claims paid.....	97 50	
		By requisitions for dock bonds.....	500,000 00	
		By reimbursement for repairs to private wharves, and for use of pile-drivers, scows, dumping-grounds, etc.....	31,468 23	
		By sales of maps, etc.....	62 50	
		By moneys credited to the dock fund...	31,530 73	
			<u>\$2,848,610 48</u>	
		By balance, April 30, 1883.....	\$704,213 07	

NEW YORK, May 28, 1883.

LUCIUS J. N. STARK,  
WM. LAIMBEER,  
JOHN R. VOORHIS,  
Commissioners, composing the Board of the Department of Docks.

## Balance Sheet, April 30, 1883.

Balance Sheet, April 30, 1883.

DR.			CR.
Contingent Fund.....	\$1,000 00	The Mayor, Aldermen and Commonalty of the City of New York.....	\$704,213 07
Accrued wharfage uncollected (as per Schedule I).....	3,391 73	Rents paid in advance of May 1, 1883...	38,943 75
Judgments as per Schedule K.....	124,978 91		
Sundry debtors for unpaid rents in hands of Counsel to the Corporation for collection (as per Schedule J).....	97,508 96		
Dock fund.....	98,704 72		
Accrued rents due April 30, 1883, uncol- lected.....	38,262 50		
Floating plant (as per Schedule L).....	165,780 00		
Acquired real property.....	203,530 00		
	<u>\$733,156 82</u>		<u>\$733,156 82</u>

## SCHEDULE "A."

LEDGER BALANCES, APRIL 30, 1883.

(Trial Balance.)

DR.	FOL.		CR.
	47	Interest .....	\$97 50
	58	Sales of maps.....	62 50
\$155,526 97	65	General repairs.....	
39,755 87	67	Annual expenses.....	
	86	Rents in advance of May 1, 1883.....	28,943 75
1,000 00	90	Contingent Fund.....	
97,508 96	92	Unpaid rents in hands of Counsel to Corporation.....	
67,173 99	94	Dock Fund.....	
	96	Leased wharves.....	1,037,641 08
	98	Land under water.....	69,585 64
	100	Unleased wharves.....	55,667 24
	103	The Mayor, Aldermen and Commonalty of the City of New York .....	1,599,398 89
203,530 00	104	Repairs for private owners, etc.....	18,421 93
	105	Acquired property.....	
	106	Dump tickets.....	13,046 30
124,978 91	110	Judgments recovered.....	
165,780 00	112	Floating plant.....	
1,168,230 89	114	J. Nelson Tappan, Chamberlain.....	
757,725 01	114	Construction Account.....	
3,391 73	124	Uncollected wharfages.....	
38,262 50	...	Unpaid rents due April 30, 1883.....	
\$2,822,864 83			\$2,822,864 83

## SCHEDULE "B."

BILLS AND CLAIMS AUDITED ON CONSTRUCTION ACCOUNT.

## Advertising.

New York Tribune.....	\$41 40
The Evening Post.....	44 20
Sunday Mercury.....	20 25
New York Staats Zeitung.....	35 90
The New York World.....	31 20
	\$172 95

## Cement.

A. C. Babson, Agent.....	\$13,560 22
Thomas R. Keator.....	1,575 00
Gabriel & Schall.....	257 67
	15,392 89

## Coal for Tug, Pile-drivers, etc.

Communipau Coal Co.....	\$3,808 40
Sixth street Coal Dock, S. W. Morris, Agent.....	1,464 00
	5,272 40

## Contracts for Building New Piers and Bulkheads.

John Gillies.....	\$126,307 06
Ross & Sanford.....	41,349 00
Holmes Bros.....	6,350 00
Charles Guidet.....	75,708 20
John B. Devlin.....	16,080 00
Mahony Bros.....	11,151 66
Warren Roosevelt.....	2,050 00
William Kelly.....	12,450 00
John Kelly.....	17,447 70
	308,893 62

## Drawing Materials and Surveying Instruments.

Keuffel & Esser.....	\$65 61
George S. Woolman.....	134 49
Albert Levy.....	45 00
Stackpole & Bro.....	118 50
	363 60

## Dredging.

Union Dredging Co.....	142,673 68
------------------------	------------

## General Expenses, including Plumbing and Gas-fitting on New Piers, Insurance on Sheds, Workmen's Tools, etc.

Isaac Hall.....	\$10 18
Hodgman & Co.....	207 50
Josiah Partridge.....	9 00
Thomas C. Townsend.....	434 64
E. N. Little.....	5 75
Metropolitan Telephone and Telegraph Co.....	478 00
Consumers' Ice Co.....	53 15
W. B. Ferguson & Son.....	810 20
Theo. Smith & Bro.....	56 86
A. H. Elliott.....	230 00
E. A. Kingsland.....	32 75
Stevens' Institute of Technology.....	328 40
Greenwich Fire Insurance Co.....	65 00
Westchester Fire Insurance Co.....	245 00
W. V. Smith.....	150 00
C. H. Delamater & Co.....	215 00
Long Island Insurance Co.....	80 00
John B. Barazzi.....	55 75
John Nicholson.....	44 06
Louis Berkowitz.....	598 53
James R. Floyd.....	507 49
Samuel A. Suydam.....	37 85
Henry R. Worthington.....	345 15
John Tagliabue.....	5 00
William Brown.....	650 83
Commercial Fire Insurance Co.....	65 00
R. Hoe & Co.....	50 86
Popham & Co.....	32 00
Theron S. Atwater.....	194 60
Incidentals.....	172 33
	6,161 88

## Granite, Rip-rap, Broken Stone, Cobble, Sand and Brick.

John A. Bouker.....	\$39,984 08
Cape Ann Granite Co.....	29,383 19
James H. Perkins.....	683 90
John Voorhis.....	228 16
	70,279 33

## Iron, Steel, Spikes, Nails and Mooring Posts.

Patterson Bros.....	\$1,006 56
A. R. Whitney & Co.....	411 41
Peter Timmes' Son.....	811 00
	2,228 97

## Lumber, Piles and Creosoting.

Charles B. Carman.....	\$4,125 00
Decker & Rapp.....	595 71
Bell Bros.....	680 12
Thomas J. Crombie.....	1,125 68
E. W. McClave & Co.....	324 25
John Crouch & Co.....	428 79
Alfred J. Murray.....	18,129 86
	25,409 41



*Maintenance of Floating Plant and Department Yards.*

Goodyear Rubber Manufacturing Co.	\$57 84
Wm. McDonagh & Co.	141 85
Hodgman & Co.	180 00
Paul C. Coffin.	123 03
W. B. Ferguson & Son.	34 83
Theo. Smith & Bro.	587 12
De Grauw, Aymar & Co.	456 67
John A. Roebbing's Son & Co.	11 23
Josiah Macy's Sons.	89 05
C. T. Reynolds & Co.	52 14
Colgate & Co.	5 85
Commercial Fire Insurance Co.	84 00
Greenwich Fire Insurance Co.	88 00
Westchester Fire Insurance Co.	60 00
E. H. Miller.	10 00
Darius Allen's Sons.	2,130 11
F. P. Reed.	40 00
C. F. A. Heinrichs.	6 70
John Jewett & Sons.	71 60
Borne, Scrymser & Co.	63 73
J. W. & W. F. Smith.	700 00
John F. Walsh.	1,796 06
F. W. Devoe & Co.	191 53
Heroy & Marrenner.	7 35
D. Shields & Son.	67 50
R. F. Seaman & Co.	47 50
N. Y. Bowery Fire Insurance Co.	42 00
K. Egan & Co.	46 08
Binghamton Oil Refining Co.	81 45
Samuel A. Suydam.	17 00
T. S. & J. D. Negus.	6 00
William H. Wells & Co.	14 18
Garret E. Green.	64 53
Cobanks & Theall.	584 29
B. Kreischer & Sons.	13 00
John Nicholson.	9 25
D. C. Newell & Sons.	76 20
Brinckerhoff, Turner & Co.	42 89
The William Cabbie Excelsior Wire Manufacturing Co.	6 48
Richard Dudgeon.	23 20
A. Schmidt & Bro.	8 00
Haudren & Robins.	83 61
Pierrez, Murphy & Larkin.	431 06
Hunter, Keller & Co.	263 50
Warren Chemical Manufacturing Co.	257 45
New York Belting and Packing Co.	82 33
Metropolis Oil Co.	48 02
A. C. Hoe & Co.	7 80
R. A. McIntosh.	304 42
E. Imhauser.	3 00
People's Fire Insurance Co.	20 00
Lidgerwood Manufacturing Co.	10 50
J. S. Barron & Co.	5 45
William Collins.	54 00
Siebert Cylinder Oil Cup Co.	373 45
Manning & Squier.	12 18

\$10,095 01

*Stationery, Printing and Maps.*

A. S. Barnes & Co.	\$564 51
Evening Post Job Printing office.	875 50

1,440 01

*Towing.*

Victor Vierow.	385 00
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\$588,768 75

## SCHEDULE C.

## SALARIES AUDITED ON CONSTRUCTION ACCOUNT.

*Commissioners of Docks.*

William Laimbeer.	\$3,000 00
John R. Voorhus.	3,000 00
Jacob Vanderpoel.	3,000 00

\$9,000 00

*Office of Engineer-in-Chief.*

George S. Green, Jr.	\$6,000 00
Willard A. Nichols.	3,000 00
James Dana, Jr.	25 81
Thomas J. Long.	1,153 23
Edward C. Reynolds.	451 61
Robert M. Kid.	1,200 00
Maurice R. Thompson.	968 33
James W. Dorsett.	36 11
George W. Nicholson.	80 55
William Livingstone.	1,310 50
Otto Sibeth.	1,092 00
Frederick Lange.	1,200 00

16,518 14

*Construction Force.*

William W. Maclay, Superintendent of Section.	\$2,500 00
Charlton B. Kidd, Superintendent of Section.	225 81
Thomas Murphy, Superintendent of Section.	1,800 00
Thomas J. Long, Assistant to Superintendent.	346 77
John H. Staats, Assistant to Superintendent.	187 50
Ephraim R. Dingley, Temporary Superintendent of Machinery.	1,060 48
John Dunn, Master Dock-builder.	1,800 00
Patrick White, Foreman of Piling and Woodwork.	1,150 00
Frederick P. Thompson, Surveyor.	1,500 00
John B. Packer, Temporary Assistant Surveyor.	1,116 67
William A. Dawson, Leveler.	337 50
John W. Beane, Leveler.	341 13
George Riedemann, Temporary Rodman.	600 00
William Rainer, Foreman of Floating Property.	1,200 00
Robert M. Sterritt, Foreman of Gansevoort Street Yard.	1,200 00
Patrick H. McCullough, Roundsman.	1,200 00

16,565 86

\$42,084 00

## SCHEDULE D.

## PAY-ROLLS AUDITED ON CONSTRUCTION ACCOUNT.

*Surveying Force.*

Half-monthly roll, April 15 to April 30, 1882, paid May 4, 1882.	\$291 35
24 half-monthly rolls, May 1, 1882 to May 1, 1883.	7,048 38

\$7,339 73

*Captains, Engineers, Crews and Watchmen of Floating Property.*

Half-monthly roll, April 15 to April 30, 1882, paid May 4, 1882.	\$532 42
24 half-monthly rolls, May 1, 1882, to May 1, 1883.	15,425 58
12 monthly-rolls (tug "Manhattan").	4,366 05

\$20,324 05

*Blacksmiths, Stone-cutters, Laborers and Watchmen in Department Yards.*

Half-monthly roll, April 15 to April 30, 1882, paid May 4, 1882.	\$745 05
24 half-monthly rolls, May 1, 1882, to May 1, 1883.	13,320 40

14,065 45

*Masons, Dock-builders, Laborers and Watchmen, on Works.*

Half-monthly roll, April 15 to April 30, 1882, paid May 4, 1883.	\$3,417 41
24 half-monthly rolls, May 1, 1882, to May 1, 1883.	81,725 62

85,143 03

\$126,872 26

## SCHEDULE E.

## BILLS AND CLAIMS AUDITED ON GENERAL REPAIRS ACCOUNT.

*Advertising.*

The Evening Post.	\$84 40
New York Tribune.	128 10
Sunday Mercury.	34 25
New York Staats Zeitung.	90 85
Journal of Commerce.	9 40
The New York World.	93 20

\$440 20

*Contracts for Repairing Piers.*

Stephen A. Jenks & Co.	\$850 00
W. H. Goodspeed.	850 00
John Gillies.	22,709 15
Holmes Bros.	1,250 00
Joseph Walsh.	11,229 00
Thomas & Augustin Walsh.	845 00
Warren Rosevelt.	8,480 00
Richard Cronin.	5,587 00
Moses Engle.	5,975 00
Flaherty & O'Connell.	23,035 00
Richard Peck, Superintendent.	975 00

81,785 15

*Dredging.*

Union Dredging Co.	\$33,355 01
Charles M. Platt.	2,220 42
P. Sanford Ross.	3,909 30

39,484 73

*Lumber.*

John Crouch & Co.	\$10 24
Drew & Bucki.	128 25
Thomas J. Crombie.	2,646 05
E. W. McClave & Co.	1,046 94
Alfred J. Murray.	2,586 67
Decker & Rapp.	297 75
Bell Bros.	708 23

7,424 13

*Miscellaneous Expenses, including Painting, Cleaning Piers, etc.*

Morris Carey.	\$30 00
M. J. Bannon.	16 00
Patterson Bros.	4 78
John A. Bouker.	52 08
John J. Williams.	50 00
Stevens' Institute of Technology.	101 20
W. & J. Sloane.	19 53
S. A. Suydam.	5 32
T. C. Townsend.	3 40
Isaac Hall.	66 17
Charles M. Pratt.	370 00
Thomas E. Crimmins.	386 00

1,104 48

*Printing.*

The Evening Post Job Printing Office.	1,469 50
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\$131,708 19

## SCHEDULE F.

## PAY-ROLLS AUDITED ON GENERAL REPAIRS ACCOUNT.

Half-monthly roll, April 15 to April 30, 1882, paid May 4, 1882.	\$1,177 65
Twenty-four half-monthly rolls, May 1, 1882, to May 1, 1883.	22,641 13

\$23,818 78

## SCHEDULE G.

## BILLS AND CLAIMS AUDITED ON ANNUAL EXPENSE ACCOUNT.

*Advertising.*

The New York Times.	\$65 80
The New York Star.	50 40
The New York World.	71 40
The New York Herald.	132 80
New York Tribune.	98 70
The Evening Post.	16 20
Sunday Mercury.	3 00
New York Staats Zeitung.	5 85
Journal of Commerce.	60 40
The Sun.	106 40

\$610 95

*Office Rent and Contingent Expenses.*

Hopkins & Co.	\$40 00
Josiah Partridge.	66 00
F. C. Bush.	9 00
Stuyvesant Fire Ins.	25 00
W. & J. Sloane.	40 50
John B. Barazzi.	116 75
Popham & Co.	113 00
Chas. Boettger.	34 78
James I. Hart.	35 00
The Met. Telephone and Telegraph Co.	125 00
Consumers' Ice Co.	54 40
Thomas C. Townsend.	55 18
Manhattan Real Estate Association.	6,562 50
Herring & Co.	300 00
New York Gas-light Co.	434 48
Incidentals.	842 03
Charles C. Chamberlain.	33 75
Evening Post Job Printing Office.	1,858 08
American District Telegraph Co.	20 12
United States Illuminating Co.	80 00

10,845 57



## Stationery and Printing.

A. S. Barnes & Co.	\$2,157 13
Charles C. Hall & Co.	25 00
E. A. Kingsland	45 55
National Printing Co.	72 60
	<u>\$2,300 28</u>
	<u>\$13,756 80</u>

## SCHEDULE H.

## SALARIES AUDITED ON ANNUAL EXPENSE ACCOUNT.

## Officers and Appointees.

John T. Cuming, Secretary	\$3,000 00
William M. Whitney, Chief Clerk	2,339 29
Francis E. Moon, Assistant Bookkeeper	1,625 81
Edward Dickel, Clerk to Secretary	1,500 00
James Weir, Clerk	1,250 00
Charles Miller, Jr., Clerk	975 00
Edward G. Ames, Clerk	780 00
Frederic Perry, Temporary Clerk	1,725 00
George O. Beach, Temporary Clerk	369 64
Hugh J. Kelly, Temporary Clerk	1,200 00
James R. Byrne, Temporary Clerk	9 68
John J. Moran, Temporary Clerk	7 26
John M. Smith, Corporation Wharfinger	400 00
George W. Wanmaker, Corporation Wharfinger	716 66
James Fitzpatrick, Corporation Wharfinger	1,200 00
John Butler, Corporation Wharfinger	1,200 00
William L. McConkey, Temporary Wharfinger	1,200 00
John M. Smith, Temporary Wharfinger	135 48
John McKeon, Temporary Wharfinger	1,050 00
Michael J. Gallagher, Temporary Wharfinger	915 00
Jeremiah Hogan, Temporary Wharfinger	915 00
Frederick W. Beatty, Office Messenger	780 00
Theodore S. Croft, Messenger	651 74
George S. Hunt, Messenger	313 00
Amzi Cook, Doorman	595 16
Robert C. Morris, Doorman	4 84
Thomas McCann Acting Doorman	72 00
Michael Falvey, Acting Doorman	6 00
James W. Marshall, Night Watchman	823 50
Daniel Connolly, Sunday Watchman	163 80
Catherine Hart, Cleaner	75 21
	<u>\$25,999 07</u>

## SCHEDULE I.

## Wharfage from Unleased Wharves for the Year ending April 30, 1883.

	UNCOLLECTED MAY 1, 1882	ACCRUED THIS YEAR	UNCOLLECTED APRIL 30, 1883
District No. 1, North river	\$208 72		
Bulkhead north of Pier, new 1		\$170 00	
Bulkhead south of Pier, new 1		4 00	
Pier, new 28		442 66	
Bulkhead between Piers, new 35 and new 36		319 79	
Bulkhead between Piers, new 36 and new 37		331 50	
Pier, new 37		417 53	
Bulkhead between Piers, new 38 and new 39		266 12	
Bulkhead between Piers, new 39 and new 40		275 90	
Bulkhead between Piers, new 40 and new 41		119 94	
Bulkhead between Piers, new 41 and new 42		360 21	
Bulkhead between Piers, new 42 and new 43		339 61	
Pier, new 43		4,220 75	
Pier, old 54		2,197 33	
Pier at West Eleventh street		502 62	
		<u>\$14,679 96</u>	\$682 52
District No. 2, North river	\$325 46		
Bulkhead at B nk street		\$371 00	
Bulkhead at Bogart street		13 00	
Pier at West Thirteenth street		2,845 06	
Pier at West Nineteenth street		1,016 74	
Pier at West Twenty-first street		3,347 24	
Bulkhead at West Twenty-fourth street		12 00	
Pier, new 57		1,203 80	
Pier at West Twenty-eighth street		414 66	
Pier at West Thirtieth street		1,225 05	
Bulkhead at West Thirty-second street		68 80	
Pier at West Thirty-seventh street		536 65	
Bulkhead at West Forty-fifth street		4 00	
Pier at West Forty-sixth street		2,355 46	
Pier at West Forty-seventh street		1,388 73	
Bulkhead at West Fifty-second street		25 25	
Pier at West Fifty-seventh street		4,441 62	
Pier at West Seventy-ninth street		811 85	
Pier at West Ninety-sixth street		333 22	
		<u>\$20,019 23</u>	1,950 58
District No. 3, East river	\$337 74		
West half Pier 12		\$1,487 98	
West half Pier 19		5,326 89	
Pier 48		1,020 11	
East half Pier 53 and West half Pier 54		25 50	
Bulkhead at Corlears street		18 85	
		<u>\$8,479 33</u>	408 34
District No. 2, East river	\$839 94		
Pier 55		\$72 00	
Pier 58		452 95	
Pier 62		175 75	
Pier at Third street		2,894 46	
Pier at Fifth street		1,216 00	
Bulkhead at Fourteenth street		569 11	
Bulkhead at East Sixteenth street		48 17	
Bulkhead at East Eighteenth street		132 55	
Bulkhead at East Twenty-fourth street		254 56	
Pier or bulkhead at East Twenty-fourth street		402 79	
Pier at Twenty-fifth street		414 65	
Pier at Twenty-sixth street		23 44	
Bulkhead at East Twenty-ninth street		246 00	
Pier at East Thirty-second street		631 87	
Bulkhead at East Thirty-sixth street		19 65	
Bulkhead between East Thirty-eighth and East Thirty-ninth streets		228 56	
Bulkhead at East Fortieth street		6 00	
Bulkhead at East Forty-second street		47 49	
Bulkhead at East Forty-third street		303 65	
Bulkhead at East Fiftieth street		29 50	
Bulkhead at East Fifty-first street		7 32	
Pier at East Fifty-third street		49 50	
		<u>750 50</u>	

	UNCOLLECTED MAY 1, 1882	ACCRUED THIS YEAR	UNCOLLECTED APRIL 30, 1883
Bulkhead at East Fifty-fourth street		\$195 53	
Bulkhead at East Sixty-first street and adjacent thereto		1,477 83	
Bulkhead at East Seventieth street		73 94	
Bulkhead at East Seventy-third street		26 50	
Bulkhead between East Seventy-eighth and East Seventy-ninth streets		686 71	
		<u>\$11,642 98</u>	\$318 79
Harlem river—			
Bulkhead at East One Hundred and Second street		\$37 24	
Bulkhead at East One Hundred and Third street		1 00	
Bulkhead at East One Hundred and Fourth street		15 98	
Pier at East One Hundred and Sixth street		166 44	
Bulkhead at East One Hundred and Ninth street		82 54	
Pier at East One Hundred and Seventeenth street		183 48	
Pier at East One Hundred and Twenty-fifth street		218 51	
Pier at East One Hundred and Twenty-ninth street		140 25	
		<u>\$845 74</u>	31 50
Total wharfage for the year		<u>\$55,667 24</u>	
Total uncollected April 30, 1883			<u>\$3,391 73</u>

## SCHEDULE J.

## Claims placed with the Counsel to the Corporation for Collection, and for which no return was made prior to May 1, 1883.

Against	Date	Amount
John Darrow	Nov. 1, 1870	\$1,200 00
Joseph Ketchum and others	Nov. 1, 1873	375 00
John G. Haviand	Nov. 1, 1873	14,083 00
William B. Bailey	July 1, 1874	8,750 00
Oyster Bay and Huntington Steamboat Co.	Dec. 17, 1874	125 00
Jonas S. neeborn	Feb. 1, 1875	1,500 00
Henry Smith	Feb. 1, 1875	9,750 00
Benjamin Terwilliger	May 1, 1875	900 00
Daniel Darrow	May 1, 1875	2,500 00
David Tracy	May 1, 1878	2,017 50
Alexander Mason and Robert Foster	May 1, 1878	4,227 50
James W. Boyle	May 1, 1879	3,046 25
Morrisania Steamboat Co.	May 1, 1879	250 00
John G. Dale	Sept. 23, 1879	322 78
Sundry deficits prior to June, 1878, awaiting legal disposition by the Law Department		28,038 45
Thomas C. Burke	July 12, 1880	852 59
Thomas Fitzpatrick	Sept. 15, 1880	1,237 50
Erie Railway Co.	May 1, 1881	9,375 00
James McClenahan	Aug. 12, 1881	2,119 56
Steam yacht "Yosemite"	Aug. 1, 1882	560 50
Owner or owners Dry Dock, Pier 62, East river	June 1, 1882	935 33
Joseph Cooper	Sept. 1, 1882	583 00
John H. Baxter	April 30, 1883	2,293 00
	Feb. 1, 1883	1,375 00
		175 00
		<u>\$97,508 96</u>

## SCHEDULE K.

## JUDGMENTS RECOVERED BY THE COUNSEL TO THE CORPORATION FOR CLAIMS FOR UNPAID WHARF RENTS.

WHOM AGAINST	DATE FILED	INTEREST INCLUDED	AMOUNT
John D. Tracy	April 14, 1880	\$504 75	\$3,479 75
David Tracy	Dec. 14, 1880	1,319 80	5,9 80
"	Dec. 29, 1880	3 133 56	14,213 96
"	Mar. 9, 1881	4,053 67	17,687 42
Less received	April 25, 1883		780 00
"	Mar. 10, 1881	2,436 34	16,907 42
"	Mar. 15, 1881	377 18	10,430 46
"	April 26, 1881	637 85	1,839 68
"	July 29, 1881	1,366 67	3,105 56
James H. Graham	June 4, 1880	99 60	6,240 53
H. A. Tiedeman	Mar. 30, 1881	871 53	540 35
"	Oct. 6, 1881	611 10	4,721 53
Thomas Gaynor	April 9, 1881	439 22	2,604 43
Thomas C. Burke	Jan. 15, 1881	2,389 60	2,531 72
"	Oct. 20, 1881	739 05	13,139 60
J. mes Savage	Mar. 16, 1881	16 70	6,114 05
Herman Hastorf	May 17, 1880	439 63	1,170 70
"	April 30, 1881	1,806 36	2,214 63
John E. Hoagland	Nov. 26, 1881	292 13	7,420 36
Jesse Ryder	Nov. 26, 1881	193 80	942 13
Empire City Ice Co.	Jan. 27, 1882	43 15	658 86
Wm. H. Brown	Feb. 16, 1882	636 31	193 15
Alexander Mason and Robert Foster	April 13, 1882	348 95	2,011 31
John Burns	April 29, 1882	7 35	1,726 45
John Brennan and others, composing West India Fruit Dealers Association	July 6, 1882	2,405 55	7 35
Daniel Dailey	Sept. 14, 1882	3 05	11,780 55
"	Oct. 13, 1882	1 45	140 55
Fr derick Schecker	Oct. 12, 1882	46 47	138 95
Collateral judgment against Estate of Thomas Tone surety for David Tracy	Oct. 23, 1882	231 67	883 97
John D. Tracy			231 67
Dillon Ranco			991 19
Patrick Grace			1,360 00
Adolph L. Kerker	Oct. 9, 1882		251 25
			2,100 00
			<u>\$124,978 91</u>

## SCHEDULE L.

## STATEMENT OF VALUATION OF FLOATING PLANT, APRIL 30, 1883.

The 100-ton Derrick "City of New York"	\$90,000 00
The 10-ton Derrick	3,600 00
The Derrick Scow "Joe" and engine	720 00
The Tug "Manhattan"	22,500 00
The two Dredges Nos. "3" and "4"	14,400 00
The twelve Pocket Scows	8,640 00
The seven Pile Drivers Nos. "1," "2," "3," "5," "7," "8," and "9," at \$900 each	6,300 00
The Pile Driver No. "6"	1,080 00
The two Pile Drivers Nos. "10" and "11"	10,800 00
The Deck Scows "B," "C," "D," and "E," at \$1,350 each	5,400 00
The Deck Scows "May" and "Willie," at \$270 each	540 00
The Deck Scows "Jim," at \$450, and "F," at \$90	540 00
The Boring Machine "Woodcock"	900 00
The two Diver's Scows	90 00
The eleven Yawl Boats, two Skiffs, and two Bateaux	270 00
	<u>\$165,780 00</u>



## RENT-ROLL OF LEASES AND PERMITS IN FORCE ON AND AFTER MAY 1, 1883.

RENT-ROLL, showing the occupancy, on May 1, 1883, of all Corporation Wharf Property under Leases and Permits of the Department of Docks, inclusive of all Leases sold within the year by Public Sale, and of all Leases and Permits terminated during the year then ended.

PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED DURING YEAR.	RECEIVED IN ADVANCE PRIOR TO MAY 1, 1882.
<i>North River.</i>						
Privilege for bath in front of Battery Wall.....	Isaac Hall .....	To November 1, 1882.....	\$1,000 .....	By Resolution, August 2, 1882.....	\$1,000 00	
Pier, new 1.....	Iron Steamboat Co.....	May 1, 1881, to May 1, 1891.	30,100 per ann.	By Public Sale, March 22, 1881.....	30,100 00	
Reclaimed land south of Old Pier 1.....	Pennsylvania R. R. Co.....	At pleasure of the Board....	1,000 "	By Resolution, August 16, 1882.....	1,000 00	
Extension to bulkhead between Piers 3 and 6 and widening Piers 4 and 5.....	Union R. R. and Transportation Co.....	May 1, 1875, to May 1, 1883.	12,500 "	By Resolution, April 30, 1873.....	9,375 00	
Platforms at bulkheads between Piers 6 and 8.....	N. Y. & Baltimore Transportation Line.....	At pleasure of the Board....	300 "	By Resolution, January 2, 1878.....	300 00	
Platform south side Pier 8.....	Central R. R. Co. of New Jersey.....	At pleasure of the Board....	1,500 "	By Resolution, January 5, 1881.....	1,500 00	
Platform between Piers 8 and 9.....	Clark & Seaman .....	At pleasure of the Board....	1,250 "	By Resolution, October 9, 1879.....	1,250 00	
Extension to Pier 9.....	William Cruikshank, Agent.....	At pleasure of the Board....	700 "	By Resolution, October 9, 1879.....	700 00	
Platform at bulkhead north side Pier 10, and widening north side of Pier.....	Metropolitan Steamship Co.....	At pleasure of the Board....	750 "	By Resolution, July 26, 1882.....	562 50	
North half Pier 12 and half bulkhead.....	Francis S. Lathrop .....	Aug. 1, 1879, to Aug. 1, 1884	3,000 "	By Public Sale, March 13, 1879.....	3,000 00	
Pier 13 and half bulkhead southerly.....	Central R. R. Co. of New Jersey.....	At pleasure of the Board....	1,500 "	By Resolution, August 5, 1879.....	1,500 00	
Platforms between Piers 12 and 13, and 13 and 14.....	Francis S. Lathrop .....	Nov. 1, 1881, to May 1, 1892	17,250 "	By Public Sale, October 31, 1881.....	17,250 00	
South half Pier 14 and bulkhead adjoining.....	Pennsylvania R. R. Co.....	At pleasure of the Board....	800 "	By Resolution, July 9, 1879.....	600 00	\$200 00
Platform south of Pier 16, and extension west.....	Associates of the Jersey Co.....	May 1, 1876, to May 1, 1886.	7,510 "	By Public Sale, March 7, 1876.....	7,510 00	
South half Pier 18 and part bulkhead adjoining.....	Delaware, Lackawanna & Western R. R. Co.....	May 1, 1878, to 3 mos. notice	400 "	By Resolution, March 6, 1878.....	400 00	
Platform between Piers 18 and 19, etc.....	John H. Starin .....	At pleasure of the Board....	1,200 "	By Resolutions, May 15, 1873, and December 15, 1875.....	900 00	
Platforms between Piers 18 and old 20.....	Francis MacDonald.....	May 1, 1868, to 3 mos. notice	9,000 "	By the Mayor, etc., lease dated December 6, 1857.....	9,000 00	
Pier, old 20 and bulkhead southerly.....	Francis MacDonald.....	June 15, 1874, to 3 mos. notice	2,500 "	By Resolution, March 11, 1874.....	2,500 00	
Extension to Pier, old 20.....	William Coverly.....	May 1, 1880, to May 1, 1883	12,000 "	By Public Sale, April 13, 1880.....	12,000 00	
Pier, old 21 and bulkhead adjoining south side.....	Stephens & Condit Transportation Co.....	June 1, 1881, to June 1, 1874.	3,500 "	By Public Sale, March 22, 1881.....	3,500 00	
South half Pier, old 22 (sometimes named 23, and bulkhead adjoining.....	Old Colony S. B. Co.....	At pleasure of the Board....	300 "	By Resolutions, July 9 and 23, 1879.....	300 00	
Platform at bulkhead north of Pier, old 28.....	Providence & Stonington S. S. Co.....	Feb. 1, 1830, to May 1, 1883.	25,100 "	By Commissioners, December 3, 1879, and Public Sale, April 13, 1880.....	25,100 00	
South half Pier 29 (including whole surface of pier Piers, new 20 and new 21, and 560 feet bulkhead northerly from north side of Pier, old 29.....	Providence & Stonington S. S. Co.....	May 1, 1883, to May 1, 1886	33,100 "	Public Sale, April 27, 1883.....		
South half Pier 33 and half bulkhead adjoining.....	N. Y. Lake Erie & Western R. R. Co.....	Aug. 13, 1881, to Aug. 1, 1891	95,000 "	By Resolutions, July 14, 1875, and August 12, 1881.....	95,000 00	
Platform north side Pier 33.....	Providence and Stonington Steamship Co.....	Terminated May 1, 1883.....	10,000 "	By Resolution, April 6, 1876.....	7,500 00	
North half Pier, old 34.....	Providence and Stonington Steamship Co.....	At pleasure of the Board....	350 "	By Resolution, July 5, 1872.....	262 50	
Pier, old 35.....	J. H. Trempier and S. D. Coykendall.....	Terminated May 1, 1883.....	7,050 "	(Holding over under lease by Public Sale, March 14, 1878).....	5,287 50	1,762 50
Platform south side Pier, old 36.....	Homer Ramsdell.....	May 1, 1879, to removal for new pier.....	15,000 "	By Resolution, November 27, 1878.....	15,000 00	
Pier, old 36.....	Bogert & Morgan, Agents.....	At pleasure of the Board....	250 "	By Resolution, August 8, 1877.....	250 00	
Pier, new 26.....	Bogert & Morgan, Agents (Assignees).....	February 1, 1880, to removal for new pier.....	15,000 "	By Resolutions, November 27, 1878, and April 30, 1879.....	15,000 00	
Pier, old 38, and North Battery.....	Old Dominion Steamship Co.....	May 1, 1881, to May 1, 1891.	30,000 "	By Resolutions, August 14, 1878, and April 27, May 11, and 25, 1881.....	30,000 00	
Pier, new 28.....	Pennsylvania R. R. Co. (Assignee).....	At pleasure of the Board....	18,000 "	(Holding over under lease by Commissioners of the Sinking Fund, May 31, 1869).....	13,500 00	
Pier, old 39.....	Pennsylvania R. R. Co.....	Included in above, pending the completion of Pier, new 27, North river, now building, when the rental for the two piers is to be \$55,000 per annum.....				
Platform north side of Debbrosses street.....	Associates of the Jersey Co., and A. Van Santvoord and H. P. Farrington.....	May 1, 1879, to removal for new pier.....	15,000 "	By Resolution November 27, 1878.....	13,125 00	1,875 00
Pier, old 40, and bulkhead northerly.....	New Jersey R. R. & Transportation Co.....	At pleasure of the Board....	1,000 "	By Resolution, November 27, 1878.....	750 00	
Pier, old 40, and bulkhead northerly.....	Harvey P. Farrington.....	May 1, 1873, to May 1, 1883.	10,000 "	By Resolution, March 14, 1873.....	10,000 00	
Pier, old 42 (except reservation for dump).....	Harvey P. Farrington.....	May 1, 1883, to May 1, 1893.	20,000 "	By Resolution, April 25, 1883.....		
Pier, new 34, and one-half bulkhead each side.....	Edgar W. Youmans.....	Terminated May 1, 1883.....	4,500 "	(Holding over under lease by Public Sale, March 13, 1879, and Resolution, June 16, 1880).....	4,500 00	
Pier, new 35 (formerly old 43).....	Pacific Mail Steamship Co.....	Sept. 1, 1874, to Sept. 1, 1884.	45,000 "	By Resolution, July 23, 1874.....	33,750 00	
Pier, new 36.....	William R. Garrison.....	May 1, 1873, to May 1, 1883.	22,500 "	By Resolutions, April 24, 1873, and September 7, 1877.....	22,500 00	
Pier, new 37.....	John G. Dale.....	June 1, 1881, to June 1, 1891.	30,000 "	By Resolutions, November 20, 1879, and April 27, and June 22, 1881.....	30,000 00	
Bulkhead between Piers, new 37 and new 38.....	C. P. Huntington.....	May 1, 1873, to May 1, 1893.	70,000 "	By Public Sale, April 27, 1883.....		
Pier, new 38.....	Booth & Edgar .....	At pleasure of the Board....	1,000 "	By Resolution, June 28, 1876.....	1,000 00	
Pier, new 39.....	Williams & Guion .....	May 1, 1878, to May 1, 1888.	30,000 "	By Resolutions, April 26, 1876, and January 30, 1878.....	30,000 00	
Pier, new 40 (except use of water on north side).....	Francis W. J. Hurst (National S. S. Co., Limited).....	Feb. 1, 1878, to Feb. 1888.....	30,000 "	By Resolutions, April 26, 1876, and January 30, and July 17, 1878	30,000 00	
Water, north side of Pier, new 40.....	Cunard Steamship Co. (Limited).....	May 1, 1879, to May 1, 1889.	22,500 "	By Resolutions, April 26, 1876, and April 29, 1878.....	22,500 00	
Pier, new 41.....	Cunard Steamship Co. (Limited)—Substituted.....	Nov. 1, 1880, to May 1, 1889.	7,500 "	By Resolutions, April 26, 1876, and November 10, 1880.....	7,500 00	
Reclaimed land, southerly of Pier, new 42.....	Delaware, Lackawanna & Western R. R. Co. (Assignee).....	Sept. 1, 1881, to Sept. 1, 1891	30,000 "	By Resolutions, April 29, 1881, Sept. 1, 1881, and Dec. 21, 1881	30,000 00	
Land under water, southerly of Pier, new 42.....	Hudson Tunnel Railway Co.....	Jan. 1, 1881, to Jan. 1, 1883.....	3,000 "	By Resolution, March 23, 1881.....	3,000 00	
Pier, new 42.....	Hudson Tunnel Railway Co.....	Jan. 1, 1881, to Jan. 1, 1886.....	1,000 "			
Bulkhead and slip between Piers, new 43 and new 44.....	Compagnie Générale Transatlantique.....	Nov. 1, 1876, to Nov. 1, 1886	30,000 per ann.	By Resolution, March 23, 1881.....	1,000 00	
Piers, new 44 and 45, bulkhead between and one-half bulkhead north of new 45.....	Hoboken Land and Improvement Company.....	May 1, 1874, to May 1, 1884	15,000 "	By Resolution, February 2, 1874.....	15,000 00	
Pier, new 46.....	Oceanic Steam Navigation Company.....	July 1, 1874, to July 1, 1884	45,000 "	By Resolution, December 4, 1873.....	33,750 00	
Pier, new 47 and bulkhead southerly.....	William Coverly.....	May 1, 1881, to May 1, 1884	30,500 "	By Public Sale, March 22, 1881.....	30,500 00	
Bulkhead along easterly side of approach to Piers, new 46 and new 47.....	Quebec Steamship Co.....	May 1, 1881, to May 1, 1886	14,000 "	By Public Sale, March 22, 1881.....	14,000 00	
Bulkhead south of Pier, old 54.....	Quebec Steamship Co.....	May 1, 1881, to May 1, 1886	3,200 "	By Public Sale, March 22, 1881.....	3,200 00	
Pier at 11th street, and bulkhead extension to west line of West street.....	Engene G. Blackford.....	May 1, 1881, to May 1, 1884	6,500 "	By Public Sale, April 8, 1881.....	6,500 00	
Pier at 11th street, and bulkhead extension to west line of West street.....	Charles E. Boardman.....	Terminated March 1, 1883.....	4,500 "	By Public Sale, March 13, 1879.....	3,750 00	
Pier at Bethune street (except reservation for public bath).....	Citizens' Steamboat of Troy.....	May 1, 1883, to May 1, 1886	5,000 "	By Public Sale, April 27, 1883.....		
Pier at Jane street.....	Decker & Rapp.....	May 1, 1881, to May 1, 1884	605 "	By Public Sale, March 22, 1881.....	605 00	
Pier at Horatio street.....	Decker & Rapp.....	May 1, 1881, to May 1, 1884	1,250 "	By Public Sale, March 29, 1881.....	1,250 00	
Pier at Gansevoort street (with reservation to cancel, if required for new public market).....	Consumers' Ice Co.....	May 1, 1881, to May 1, 1884	1,050 "	By Public Sale, March 29, 1881.....	1,050 00	
Bulkhead north of pier at Gansevoort street.....	Daniel Shea.....	May 1, 1882, to May 1, 1885	2,500 "	By Public Sale, April 25, 1882.....	1,875 00	625 00
Pier north of Bloomfield street.....	New York City Ice Co.....	May 1, 1881, to May 1, 1884	2,000 "	By Public Sale, March 22, 1881.....	2,000 00	
Bulkhead south of pier at Little 12th street (except reservation for use of hydrant).....	Felix Dougherty.....	May 1, 1881, to May 1, 1884	1,000 "	By Public Sale, April 8, 1881.....	1,000 00	
Pier at Little 12th street.....	Drew & Bucki.....	May 1, 1881, to May 1, 1884	800 "	By Public Sale, March 22, 1881.....	800 00	
Platform at bulkhead south of 12th street.....	Drew & Bucki.....	May 1, 1881, to May 1, 1884	1,400 "	By Public Sale, March 22, 1881.....	1,400 00	
Bulkhead at 14th street (except reservation to cancel lease, if required for ferry).....	Drew & Bucki.....	At pleasure of the Board....	500 "	By Resolution, Nov. 1, 1876.....	500 00	
Pier at 15th street.....	John J. McCook.....	May 1, 1881, to May 1, 1884	1,800 "	By Public Sale, March 22, 1881.....	1,800 00	
Pier at 16th street.....	Mutual Benefit Ice Co.....	May 1, 1881, to May 1, 1884	1,500 "	By Public Sale, March 22, 1881.....	1,500 00	
Pier at 17th street.....	Mutual Benefit Ice Co.....	May 1, 1881, to May 1, 1884	1,400 "	By Public Sale, March 22, 1881.....	1,400 00	
Pier at 18th street.....	Manhattan Gas-light Co.....	May 1, 1881, to May 1, 1884	3,500 "	By Public Sale, March 29, 1881.....	3,500 00	
Pier at 20th street.....	Manhattan Gas-light Co.....	May 1, 1881, to May 1, 1884	3,500 "	By Public Sale, March 29, 1881.....	3,500 00	
Extension to pier at 20th street.....	Knickerbocker Ice Co.....	May 1, 1876, to May 1, 1886	1,505 "	By Public Sale, April 21, 1876.....	1,505 00	
Pier at 22d street.....	Knickerbocker Ice Co.....	At pleasure of the Board....	250 "	By Resolution, November 26, 1879.....	250 00	
Extension to pier at 22d street.....	A. Van Santvoord.....	May 1, 1876, to May 1, 1886	1,410 "	By Public Sale, April 21, 1876.....	1,410 00	
Bulkhead at 23d street, with land under water covered by ferry platform.....	A. Van Santvoord.....	June 20, 1876, to May 1, 1886	250 "	By Resolutions, May 10, 1876, and March 2, 1881.....	250 00	
Platform north of ferry at 23d street.....	N. Y. Lake Erie and Western R. R. Co.....	May 1, 1879, to May 1, 1881; (holding over).....	500 "	By Public Sale, April 28, 1879.....	500 00	
Pier, new 54.....	Twenty-third street Railway Co.....	At pleasure of the Board....	100 per mo.	By Resolutions, June 5, 1882.....	1,141 30	
Pier, new 55.....	Funch, Eddy & Co., Agents.....	Jan. 1, 1882, to Jan. 1, 1892.....	20,000 per ann.	By Resolutions, June 30, 1880, and Nov. 16, 1881.....	20,000 00	
Pier, new 56.....	Pim, Forwood & Co., Agents.....	May 1, 1882, to Feb. 1, 1892	20,000 "	By Resolutions, July 7, 1880; December 14, and December 28, 1881, and April 12, 1882.....	20,000 00	
Site for Pier at 33d street.....	Simpson & Spence, Agents.....	July 1, 1882, to July 1, 1892.....	25,000 "	By Resolutions, December 8, 1880, and July, 18, 1882.....	25,000 00	
Pier at 34th street.....	N. Y. Central & Hudson R. R. Co.....	Nov. 1, 1873, to Nov. 1, 1883	5,000 "	By Resolution, September 13, 1873.....	3,750 00	
Pier at 35th street (except reservation for public bath).....	Scott & Co.....	May 1, 1881, to May 1, 1884	5,000 "	By Public Sale, March 22, 1881.....	5,000 00	
Pier at 40th street.....	Scott & Co.....	May 1, 1881, to May 1, 1884	4,500 "	By Public Sale, March 29, 1881.....	4,500 00	
Extension to Pier at 43d street.....	James McClenahan.....	May 1, 1881, to May 1, 1884	4,500 "	By Public Sale, March 22, 1881.....	3,937 50	
Pier at 51st street.....	Knickerbocker Ice Co.....	At pleasure of the Board....	100 "	By Resolutions, September 25 and November 21, 1873.....	100 00	
Pier at 55th street (except reservation south side).....	Andrew Dettinger.....	Nov. 1, 1881, to May 1, 1885	3,200 "	By Public Sale, October 31, 1881.....	3,200 00	
Pier at 58th street.....	Western Union Telegraph Co.....	Terminated May 1, 1883.....	1,000 "	By Public Sale, March 29, 1881.....	750 00	250 00
Dumping board at 58th street and 12th avenue.....	Union Stock Yard and Market Co.....	July 20, 1881, to May 1, 1886	5,000 "	By Resolution, March 9, 1883.....	5,000 00	
Site for Pier at 59th street.....	John Chester.....	At pleasure of the Board....	365 "	By Resolution, March 14, 1883.....	46 00	
Land under water between 60th and 65th streets (for erection of two piers).....	N. Y. Central & Hudson R. R. Co.....	Nov. 1, 1877, to Nov. 1, 1887	1,000 "	By Resolutions, August 16, 1876, and November 7, 1877.....	1,000 00	
Land under water between south line of 65th and south line of 72d streets, westerly, to established pier line of 1868.....	N. Y. Central & Hudson R. R. Co.....	Aug. 1, 1874, to Aug. 1, 1884	5,000 "	By Resolution, June 22, 1874.....	3,750 00	
Pier at 120th street.....	N. Y. Central & Hudson R. R. Co.....	May 1, 1880, to May 1, 1890	17,500 "	By Resolution, April 28, 1880.....	17,500 00	
Bulkhead extension at 130th street (except reservation of water for Ferry).....	Mutual Benefit Ice Co.....	May 1, 1881, to May 1, 1884	500 "	By Public Sale, March 22, 1881.....	500 00	
Pier at 131st street, bulkhead northerly to retaining wall, and bulkhead platform southerly (except reservation for public bath).....	Theodore F. Tone.....	May 1, 1881, to May 1, 1884	300 "	By Public Sale, March 29, 1881.....	300 00	
Pier at 152d street.....	Theodore F. Tone.....	June 1, 1881, to June 1, 1884	900 "	By Public Sale, March 29, 1881.....	900 00	
	Lecene Gunning, Assignee.....	May 1, 1881, to May 1, 1884	100 "	By Public Sale, March 22, 1881.....	100 00	
<i>East River.</i>						
Bulkhead, etc., west of Pier 1.....	Staten Island Railway Co.....	Terminated May 1, 1883.....	\$4,200 per ann.	By Public Sale, October 25, 1877.....	\$4,200 00	
Pier 1 and 8 1/2 ft. bulkhead easterly.....	John H. Starin, Assignee.....	May 1, 1874, to May 1, 1884	10,000 "	By Resolution, January 19, 1874.....	7,500 00	
East half Pier 4, 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.....	6,010 00	
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.....	800 00	
Total.....					\$845,202 30	



PROPERTY.	LESSEE OR OCCUPANT.	TERM OF TENANCY.	RENT.	RIGHT OF TENANCY.	RECEIVED DURING YEAR.	RECEIVED IN ADVANCE PRIOR TO MAY 1, 1882.
East half Pier 5, west half Pier 6, and bulkhead between.....	N. Y. Central & Hudson R. R. Co.....	May 1, 1876, to May 1, 1886	\$9,000 per ann.	By Public Sale, March 7, 1876.....	\$9,000 00	
East half Pier 6 and bulkheads adjoining.....	John H. Starin.....	May 1, 1878, to May 1, 1886	5,600 "	By Public Sale, April 15, 1878, and Resolution Feb. 12, 1879..	5,600 00	
Pier 7 (except reservation of right to fill in).....	N. Y., Lake Erie & Western R. R. Co.....	May 1, 1881, to May 1, 1884	9,000 "	By Public Sale, March 22, 1881.....	9,000 00	
West half Pier 8 and bulkheads adjoining (except reservation of right to fill in).....	N. Y., Lake Erie & Western R. R. Co.....	May 1, 1881, to May 1, 1884	9,000 "	By Public Sale, March 22, 1881.....	9,000 00	
East half Pier 18, except outer end.....	William D. Morgan.....	May 1, 1879, to May 1, 1884	4,000 "	By Public Sale, March 13, 1879.....	4,000 00	
Bulkhead and platform between Piers 18 and 19.....	John E. Stow.....	May 1, 1881, to May 1, 1884	500 "	By Public Sale, March 22, 1881.....	500 00	
Platform south of Pier 23.....	C. H. Mallory & Co.....	At plea ure of the Board.....	200 "	By Resolution, March 27, 1878.....	200 00	
East half Pier 23.....	C. H. Mallory & Co.....	Aug. 15, 1878, to Aug. 15, 1883	5,000 "	By Public Sale, March 14, 1878.....	5,000 00	
East half Pier 20.....	C. H. Mallory & Co.....	Aug. 15, 1883, to May 1, 1886	5,500 "	By Public Sale, April 27, 1879.....	5,500 00	
Bulkhead between Piers 20 and 21.....	Henry H. Huelat.....	Terminated May 1, 1883.....	2,500 "	By Public Sale, March 27, 1879.....	2,500 00	
West half Pier 21.....	C. H. Mallory & Co.....	May 1, 1881, to May 1, 1886	5,200 "	By Public Sale, March 22, 1881.....	5,200 00	
Widening Pier 21.....	C. H. Mallory & Co.....	Oct. 19, 1881, to May 1, 1886	800 "	By Resolutions, June 8, 1881, and Oct. 19, 1881.....	800 00	
Inner half east side Pier 23, inner half west side Pier 23, bulkhead between, and appurtenances.....	Fulton Market Fish Mangers' Association.....	May 1, 1879, to May 1, 1889	6,500 "	By Public Sale, March 18, 1879.....	6,500 00	
Outer half east side Pier 22.....	Samuel L. Store.....	May 1, 1882, to May 1, 1885	5,100 "	By Public Sale, April 25, 1882.....	5,100 00	\$1,275 00
Outer 211 feet of west side Pier 23.....	Samuel L. Store.....	June 1, 1882, to June 1, 1885	2,125 "	By Public Sale, April 25, 1882.....	1,993 75	531 25
East half Pier 24 and half bulkhead adjoining.....	Hartford and N. Y. Transportation Co.....	May 1, 1881, to May 1, 1886	6,500 "	By Public Sale, March 29, 1881.....	4,875 00	1,625 00
West half Pier 25 and half bulkhead adjoining.....	New Haven Steamboat Co.....	May 1, 1881, to May 1, 1886	6,500 "	By Public Sale, March 29, 1881.....	6,500 00	
East half Pier 25, west half Pier 25 and bulkhead between.....	New Haven Steamboat Co.....	May 1, 1879, to May 1, 1884	4,500 "	By Public Sale, March 13, 1879.....	4,500 00	
Bulkhead and slips east of wharf property of the Bridge company at Roosevelt street.....	New York Ferry Co.....	Terminated March 1, 1883.....	10,000 "	By Public Sale, June 14, 1878.....	8,333 33	
East half Pier 31, west half Pier 32 and bulkhead between.....	East River Ferry Co.....	Terminated May 1, 1883.....	2,500 "	By Public Sale, April 19, 1878.....	2,500 00	
East half Pier 33, west half Pier 34 and bulkhead between.....	Thomas Clyde.....	May 1, 1881, to May 1, 1886	13,000 "	By Public Sale, March 29, 1881.....	13,000 00	
Platform between Piers 35 and 36.....	S. F. Shortland & Brother.....	At pleasure of the Board.....	50 "	By Resolution, May 2, 1877.....	50 00	
Widening east side and extension Pier 36.....	Geo. H. Penniman.....	Nov. 1, 1878, to May 1, 1889	700 "	By Public Sale, December 16, 1878.....	700 00	
Pier 37 and part bulkheads adjoining (except reservation for dump).....	Central Vermont R. R. and S. B. Co.....	May 1, 1880, to May 1, 1883	4,000 "	By Public Sale, April 13, 1880.....	4,000 00	
Pier 38 and half bulkhead westerly.....	Maine Steamship Co.....	Nov. 1, 1881, to May 1, 1887	12,000 "	By Public Sale, October 31, 1881.....	12,000 00	
Platform between Piers 38 and 39.....	Peter Charles.....	At pleasure of the Board.....	400 "	By Resolution, June 16, 1875.....	400 00	
Pier 40 and half bulkhead easterly, including platform.....	Frank Phelps.....	May 1, 1882, to May 1, 1887	9,000 "	By Public Sale, March 29, 1881.....	6,750 00	2,250 00
Pier 41 and part bulkhead east side.....	Inland and Seaboard Coasting Co.....	May 1, 1879, to May 1, 1884	5,500 "	By Public Sale, July 25, 1878.....	5,500 00	
Pier 43, except inner half west side.....	Fred'k W. Wright.....	May 1, 1881, to May 1, 1884	3,500 "	By Public Sale, March 22, 1881.....	3,500 00	
Pipe through bulkhead east side Pier 43.....	Geo. V. Hecker & Co.....	Terminated April 1, 1883.....	50 "	By Resolution, December 14, 1881.....	37 50	
Pier 44 and bulkhead westerly.....	Alexander Mason.....	May 1, 1881, to May 1, 1884	7,000 "	By Public Sale, March 29, 1881.....	7,000 00	
Platform So. & W. from west side Pier 44 and bulkhead westerly.....	N. Y. City & Northern R. R. Co. (Assignee).....	Jan. 1, 1882, to May 1, 1884	600 "	By Resolution, December 14, 1881.....	600 00	
Pier 46.....	William Coverly.....	May 1, 1881, to May 1, 1884	7,500 "	By Public Sale, March 22, 1881.....	7,500 00	
Platform between Piers 49 and 50.....	Glen Cove Manufacturing Co.....	At pleasure of the Board.....	1,000 "	By Resolution, November 22, 1880.....	1,000 00	
Platform at bulkhead south of Pier 50.....	New York, New Haven & Hartford R. R. Co.....	At pleasure of the Board.....	4,000 "	By Resolution, May 25, 1880.....	4,000 00	
Platform between Piers 50 and 51.....	Harlem River & Portchester R. R. Co.....	At pleasure of the Board.....	1,500 "	By Resolutions, May 7, 1874, and November 6, 1879.....	1,500 00	
East half Pier 51, west half Pier 52, and bulkhead, etc., between (except reservation for public bath at Pier 51).....	Joseph V. Brown.....	May 1, 1882, to May 1, 1885	2,200 "	By Public Sale, April 25, 1882.....	1,650 00	550 00
South half Pier 55 (except outer end) and about 54 feet bulkhead adjoining.....	East River Bathing Co.....	Terminated May 1, 1883.....	800 "	By Public Sale, April 28, 1879.....	800 00	
North half Pier 56, south half Pier 57, and bulkhead between.....	William H. Wood.....	May 1, 1882, to May 1, 1885	1,500 "	By Public Sale, April 25, 1882.....	1,125 00	375 00
Bulkhead 185 feet on Tompkins street, north of Rivington street.....	Joseph V. Brown.....	May 1, 1880, to May 1, 1883	500 "	By Public Sale, April 13, 1880.....	500 00	
Bulkhead 185 feet on Tompkins street, north of Rivington street.....	Peter H. Walsh.....	May 1, 1883, to May 1, 1884	1,000 "	By Public Sale, April 27, 1883.....		
Pier 60 and bulkhead westerly, from north side to Tompkins street.....	Joseph Cooper.....	May 1, 1881, to May 1, 1884	2,750 "	By Public Sale, March 22, 1881.....	1,375 00	
Pier 61 and 55 feet bulkhead northerly (except reservations for night-soil boat and dump).....	Benjamin Wright.....	May 1, 1881, to May 1, 1884	1,000 "	By Public Sale, March 22, 1881.....	1,000 00	
North half Pier 62.....	Mutual Benefit Ice Co.....	May 1, 1881, to May 1, 1884	900 "	By Public Sale, March 22, 1881.....	900 00	
Bulkhead, etc., at and south of Houston street.....	Nassau Ferry Co.....	Nov. 1, 1878, to May 1, 1894	2,000 per ann. for first 5 yrs.	By Public Sale, December 16, 1878.....	2,000 00	
Site for pier, 130 feet south of Houston street.....	Nassau Ferry Co.....	May 1, 1879, to May 1, 1894	300 per ann.	By Resolution, January 8, 1879.....	300 00	
Berth for bath at pier at 3d street.....	East River Bathing Co.....	Season of 1882.....	400 for term	By Resolution, May 12, 1881.....	400 00	
Berth at pier at 3d street.....	John A. Cooley.....	Seasons of 1881 and 1882.....	75 per sea.	By Treasurer orally, January 3, 1882.....		75 00
Bulkhead at 14th street.....	Daniel Dailey.....	Terminated Sept. 25, 1882.....	550 per ann.	By Public Sale, April 8, 1881.....		
Bulkhead at 15th street.....	Manhattan Gas-light Co.....	May 1, 1881, to May 1, 1884	900 "	By Public Sale, March 22, 1881.....	900 00	
Bulkhead at 20th street.....	Farmers' Protective Union.....	May 1, 1882, to May 1, 1883	600 "	By Public Sale, April 25, 1882.....	425 00	165 00
Bulkhead north of 23d street.....	A. T. Wyckoff.....	May 1, 1883, to May 1, 1884	600 "	By Public Sale, April 27, 1883.....		
Bulkhead north of 23d street.....	Greenpoint Ferry Co.....	Aug. 1, 1877, to Aug. 1, 1882	2,501 "	By Public Sale, October 11, 1877.....	625 25	
Bulkhead south of 24th street, north of Ferry premises.....	Greenpoint Ferry Co.....	Aug. 1, 1882, to Feb. 1, 1883	4,000 "	Oral agreement with Commissioners.....	2,000 00	
Pier at 28th street.....	Greenpoint Ferry Co.....	June 1, 1881, to June 1, 1891	4,100 "	By Public Sale, March 22, 1881.....	4,100 00	
Pier at 31st street.....	Joseph V. Brown.....	May 1, 1881, to May 1, 1884	1,000 "	By Public Sale, March 29, 1881.....	1,000 00	
South half and outer end pier at 33d street.....	Joseph V. Brown.....	May 1, 1881, to May 1, 1884	2,250 "	By Public Sale, March 29, 1881.....	2,250 00	
North half pier at 33d street (except reservation of outer end).....	Knickerbocker Ice Co.....	May 1, 1881, to May 1, 1886	1,500 "	By Public Sale, March 29, 1881.....	1,500 00	
Bulkhead at 34th street.....	East River Ferry Co.....	May 1, 1881, to May 1, 1891	1,000 "	By Public Sale, May 27, 1880.....	1,000 00	
Bulkhead at 35th street.....	East River Ferry Co.....	Terminated May 1, 1883.....	2,000 "	By Public Sale, September 6, 1877.....	2,000 00	
Bulkhead at 35th street.....	Garret L. Schuyler.....	May 1, 1882, to May 1, 1883	500 "	By Public Sale, April 25, 1882.....	375 00	125 00
Pier at 37th street (except reservation for public bath).....	Jeremiah Skidmore's Sons.....	May 1, 1883, to May 1, 1886	500 "	By Public Sale April 27, 1883.....		
Pier at 38th street (except reservation for dump).....	Daniel T. Robertson.....	May 1, 1881, to May 1, 1884	800 "	By Public Sale, March 22, 1881.....	800 00	
Bulkhead at 39th street.....	Benjamin Wright.....	May 1, 1881, to May 1, 1884	600 "	By Public Sale, March 22, 1881.....	600 00	
Dumping board at 39th street.....	Geo. W. Ryerson.....	Nov. 1, 1881, to May 1, 1885	800 "	By Public Sale, October 31, 1881.....	800 00	
Bulkhead at 40th street.....	Geo. W. Ryerson.....	May 1, 1882, to May 1, 1885	700 "	By Resolution, March 22, 1882.....	700 00	
Bulkhead at 43d street.....	Charles H. Todd.....	Nov. 1, 1881, to May 1, 1885	400 "	By Public Sale, October 31, 1881.....	400 00	
Extension to bulkhead at 45th street (for stone dump).....	Michael Kane.....	Terminated March 1, 1883.....	200 "	By Public Sale, April 28, 1879 and Resolution Sept. 7, 1881.....	150 00	
Extension to bulkhead at 45th street (for stone dump).....	Schwarzschild & Sulzberger.....	May 1, 1882, to May 1, 1883	250 "	By Public Sale, April 25, 1882.....	187 50	62 50
Pier at 46th street (except reservation for dump).....	Schwarzschild & Sulzberger.....	May 1, 1883, to May 1, 1886	1,050 "	By Public Sale, April 27, 1883.....		
Bulkhead at 47th street.....	Michael Kane.....	Nov. 1, 1881, to May 1, 1885	100 "	By Public Sale, October 31, 1881.....	50 00	50 00
Bulkhead at 47th street.....	Owens & Co.....	May 1, 1882, to May 1, 1883	1,000 "	By Public Sale, April 25, 1882.....	750 00	250 00
Bulkhead at 47th street.....	Owens & Co.....	May 1, 1882, to May 1, 1885	800 "	By Public Sale, April 27, 1883.....		
Bulkhead at 49th street.....	M. Goodwin.....	May 1, 1882, to May 1, 1883	460 "	By Public Sale, April 25, 1882.....	345 00	115 00
Bulkhead at 49th street.....	Peter H. Walsh.....	May 1, 1883, to May 1, 1886	1,125 "	By Public Sale, April 27, 1883.....		
Site for bulkhead between 56th and 57th streets.....	Schmitt & Koehne.....	At pleasure of the Board.....	50 "	By Resolution, April 27, 1877.....	50 00	
Reclaimed land at and south of 57th street.....	Thos. Fitzgerald.....	At pleasure of the Board (revoked Feb. 1, 1883).....	250 "	By Resolution, June 28, 1882.....	145 84	
Site for platform, etc., north of 62d street.....	Jabez A. Bostwick.....	At pleasure of the Board.....	200 "	By Resolutions, March 20 and December 24, 1878.....	200 00	
Site for platform, etc., south of 63d street.....	Ehrenreich Brothers.....	At pleasure of the Board.....	100 "	By Resolutions, April 24 and December 24, 1878.....	100 00	
Site for platform at 63d street.....	Neidlinger, Schmidt & Co.....	June 1, 1874, to June 1, 1884	250 "	By Resolution, May 28, 1874.....	250 00	
Site for bulkhead between 63d and 64th streets.....	Neidlinger, Schmidt & Co.....	May 1, 1874, to May 1, 1884	50 "	By Resolution, February 12, 1874.....	50 00	
Site for bulkhead at 74th street.....	Thomas Patten.....	At pleasure of the Board.....	100 "	By Resolution, November 21, 1877.....	100 00	
Site for platform between 79th and 80th streets.....	Murphy & Nesbit.....	May 1, 1878, to termination of occupancy of upland.....	100 "	By Resolution, May 3, 1898.....	100 00	
Pier or bulkhead at 86th street.....	John H. Baxter.....	May 1, 1881, to May 1, 1884	700 "	By Public Sale, March 22, 1881.....	525 00	
Bulkhead at 92d street, and wharf property at Fulton street, Astoria.....	Astoria Ferry Co.....	Nov. 1, 1877, to Nov. 1, 1882 (holding over).....	250 "	By Public Sale, July 12, 1878.....	250 00	
Bulkhead at and south of 93d street.....	Thomas Patten.....	May 1, 1881, to May 1, 1884	800 "	By Public Sale, March 22, 1881.....	800 00	
Total.....					\$209,123 17	
Harlem River.						
Float at 116th street.....	Vandervoort & Tucker.....	At pleasure of the Board.....	10 per mo.	By Resolution June 7, 1882.....	\$40 00	
Berth for float, north side pier at 125th street.....	Edward McGrath.....	At pleasure of the Board.....	25 per qr.	By Resolution, April 24, 1878.....	50 00	
Land under water for bridge, pier at 129th street and 2d avenue.....	Suburban Rapid Transit Co.....	At pleasure of the Board.....	500 per ann.	By Resolution, April 4, 1883.....		
Total.....					\$90 00	\$12,161 2

## SUMMARY.

Received in advance prior to May 1, 1882.....	\$12,161 25
Rents collected during the year, as follows:	
From North river water-front.....	\$845,002 30
From East river water-front.....	209,123 17
From Harlem river water-front.....	90 00
Add, as per Statement of Revenues, etc., annexed, to wit:	
Wharfares collected from unleased property, as follows:	
On North river water-front.....	\$32,066 09
On East river water-front.....	17,283 11
On Harlem river water-front.....	814 24
Received during the year.....	\$1,116,740 16
Unpaid rents due April 30, 1883 (since paid).....	38,262 50
Unpaid rents and wharfage placed with Counsel to the Corporation for collection during the year.....	6,211 43
Uncollected wharfages.....	\$3,391 73
Less outstanding May 1, 1882.....	1,711 86
Total revenue for the year ending May 1, 1883.....	\$1,162,891 96



## REPORT OF THE ENGINEER-IN-CHIEF.

DEPARTMENT OF DOCKS, 117 AND 119 DUANE STREET,  
OFFICE OF THE ENGINEER-IN-CHIEF,  
NEW YORK, 1st May, 1883.

## To the Board of Docks:

GENTLEMEN—I have the honor to submit for your consideration the following report of the several works under my supervision during the year ending April 30, 1883:

## NORTH RIVER.

## Sections South of Canal Street.

**Battery Section.**—Embracing the boat landing, Pier, new 1, North river, and about 80 feet of bulkhead north of Pier, new 1.

The area of reclaimed land in front of Pier, new 1, has been paved with granite blocks, the joints being filled with gravel and cement obtained from the direct distillation of coal tar.

The work was done by contract (No. 159) by Mr. William Kelly, and was completed on the 14th of September last.

A temporary wooden platform has been built at the northerly end of the bulkhead or river wall to facilitate its use for vessels.

**Chambers Street Section.**—Extending from the north side of Pier, old 29, to 91.70 feet north of the north side of Pier, new 21, a distance of 651.70 feet.

Length of piling to date..... 607.50 feet.  
“ base blocks to date..... 603.42 “

“ “E” course of granite to date..... 569.64 “  
Equivalent length of completed wall to date..... 589.40 “

Some filling for the reclaimed or newly made land has been received, and the temporary roadways across it from West street to Piers, new 20, and new 21, have been repaired.

**North Moore Street Section.**—Extending from a point 21 feet south of the south side of Pier, new 26, North river, to a point half way between North Moore street and Franklin street, a distance of about 340 feet.

Dredging to date..... 190.00 feet.  
Stone filling to date..... 160.00 “

Equivalent length of completed wall..... 34.66 “  
Nothing has been done on this section, the injunction of 7th July, 1881, being still in force.

**Beach Street Section.**—Extending from 21 feet south of the south side of Pier, new 26, to 95 feet north of the north side of Pier, new 26, a distance of 196 feet.

Length of piling to date..... 172.00 feet.  
“ base blocks to date..... 168.83 “

“ “E” course of granite to date..... 121.02 “  
Equivalent length of completed wall to date..... 167.90 “

The temporary plank roadway to Pier, new 26, has been repaired from time to time.

**Laight Street Section.**—Extending from 95 feet north of the north side of Pier, new 26, North river, to the southerly side of Pier, old 39, a distance of about 500 feet.

Length of piling for the year..... 120.00 feet; to date 255.70 feet.  
“ base blocks for the year..... 60.00 “ “ 192.70 “

“ “E” course of granite for the year..... 00.00 “ “ 81.41 “  
Equivalent length of completed wall for the year..... 71.14 “ “ 206.78 “

Work to the southward of pier, new 28, has proceeded as fast as practicable in such an exceedingly confined place. The greater part of the “Old Red Fort” foundation, consisting of crib work, has been removed by dredging, and piles have been driven, and base blocks set, the whole constituting an equivalent length of finished wall of about 71.14 feet.

Pier, new 28.—The Pennsylvania Railroad Company, lessee, has built a freight shed covering the whole width of the pier and all but about twelve feet of its length.

A Free Floating Bath was placed at the outer end of the pier during the months of June, July, August, September, and October, by the Department of Public Works.

The Pennsylvania Railroad Company have also erected a temporary shed on the newly made land inshore of the pier.

## Sections North of Canal street.

The section north of Canal street on which the bulkhead or river wall has been completed are as follows:

SECTION.	LENGTH ON “E” ON TOP COURSE OF GRANITE, UNDER COPING.	EQUIVALENT LENGTH OF COM- PLETED WALL.
Canal Street Section.....	334.95	373.89
Spring “.....	139.92	139.92
Charlton “.....	406.74	406.74
New King “.....	148.41	148.41
Old King “.....	114.49	114.49
Lower Clarkson Street Section.....	152.91	152.91
Houston “.....	109.83	109.83
Upper Clarkson “.....	102.51	102.51
Leroy “.....	561.46	561.46
Morton “.....	151.33	151.33
Christopher “.....	1,095.22	1,111.51
Total length.....	3,317.83	3,373.06

The whole area of reclaimed land between the westerly line of West street, seventy feet from building line on its easterly side, and the river wall from fifty feet south of Pier, new 34, to the northerly line of Pier, new 45, has been ordered to be paved with granite blocks having the joints filled with gravel and coal-tar cement similar to that near Pier, new 1, North river, except between and near the various railroad tracks, where the joints were filled with sand. The work was divided into four sections; the first of these extending from the westerly line of West street to the bulkhead wall, and from the southerly line of Pier, new 42, to the northerly line of Pier, new 45, was awarded (Contract No. 164) to Mr. Charles Guidet, who began the work on the 30th August, 1882, and finished it on the 1st December, 1882; the second extending from the westerly line of West street to the river wall, and from southerly line of Pier, new 38, to about fifty feet north of Pier, new 41, (Contract No. 168) was awarded to Mr. John E. Devlin, who began work upon the 31st October, 1882, and has not yet completed it; the third section, extending from the westerly line of West street to the river wall, and from about fifty feet south of Pier, new 34, to the southerly line of Pier, new 38, was also awarded to Mr. Charles Guidet (Contract No. 167), who began work upon it on the 27th October, 1882, and has not yet completed it; the fourth section, embracing the small area in front of the Hoboken ferry between Piers, new 43 and new 44, chiefly occupied by horse railroad tracks, was given to Mr. Charles Guidet by agreement with the Board (see unanimous resolution of Board of 1st November, 1882), who began work upon the same on 8th December, 1882, and has not yet completed it.

On the 20th December, 1882, I ordered all paving to be stopped on account of the cold weather, until 21st March, 1883, when I ordered it to be resumed and the work to be completed as quickly as possible.

The length along the river front which is to be thus paved is 2,668.50 feet, and it is continuous except for 140 feet south of Pier, new 42, where are the shafts, engines, etc., of the Hudson River Tunnel Company.

The temporary plank roadways to the piers were maintained until replaced by the pavement. Some portions of the newly made land which had settled have been refilled, and some old wood-work remaining has been removed, and water and gas pipes moved.

Before proceeding with the pavement, the temporary sewer boxes from the old bulkhead to the wall were removed where the permanent marginal sewer had been built.

The Hudson River Tunnel Company have extended one of their two proposed tunnels westwardly from their shaft under the wall, cutting through the piles of its foundation.

The wall settled slightly, and repairs have been made by the Tunnel Company.

All the piers, from new 34 to new 47, have been completed and are in use.

Pier, new 36.—On the 1st of February last the shed on this pier and much of the pier above the water-line under it were destroyed by fire. Plans and specifications are being prepared for repairing the substructure of the pier by the Department in accordance with the terms of the lease.

Pier, new 37.—This pier was completed by Mr. John Gillies, contractor (Contract No. 151), on 8th August, 1882, and has been used as an “open pier” by the public up to date.

Pier, new 41.—The shed upon this pier, building by the lessees at date of my last annual report, has been completed.

Pier, new 42.—The understructure of this pier is now being repaired by Mr. William P. Kelly, contractor (Contract No. 178), who has the work well advanced, so that it will be completed upon the specified date, viz.: 21st May, 1883.

Pier, new 43.—Some slight repairs have been made to the shed upon this pier, and plans and specifications are being prepared for more extensive repairs to the shed and painting it, and also for repairs to the pier.

The Christopher street section office was moved from Barrow street to Bloomfield street in October last, and is now used by surveying party and general repairs force.

**West Twenty-third Street Section.**—Extending from the southerly side of West Twenty-third street to the northerly side of West Thirtieth street. Work has proceeded in parts of this section. On 28th June, 1882, a unanimous resolution was passed by the Board directing the work to be proceeded with from a point about 150 feet northerly of West Twenty-seventh street, where it had been built, under the unanimous resolution of the Board passed 5th November, 1880, to the northerly side of West Thirtieth street; and from the date of the former resolution the work has been done under the heading of West Twenty-third Street Section, south end, embracing that done under resolution of 5th November, 1880, and West Twenty-third Street Section, north end, embracing that done under resolution of 28th June, 1882.

The following table shows the work during the year on the bulkhead or river wall:

## West Twenty-third Street Section, south end—

Length of piling for the year..... 0.00 feet; to date, 968.00 feet.  
“ base blocks..... 106.86 “ “ 878.24 “  
“ “E” course of granite for the year..... 520.01 “ “ 787.53 “  
Approximate equivalent length of completed wall for the year..... 285.00 “ “ 909.00 “

## West Twenty-third Street Section, north end—

Length of piling for the year..... 500.00 feet; to date, 500.00 feet.  
“ base blocks..... 351.31 “ “ 351.31 “  
“ “E” course of granite for the year..... 46.57 “ “ 46.57 “  
Approximate equivalent length of completed wall for the year..... 384.00 “ “ 384.00 “

**South End.**—The injunction restraining the Department from proceeding with the work of building the wall between Twenty-third and Twenty-fourth streets granted by the United States Circuit Court, on 29th December, 1881, and that restraining the Department from proceeding further with the work of building the wall between Twenty-fifth and Twenty-sixth streets, granted by the same court on 14th January, 1882, being still in force, no work under the new plan has been done at those places during the year.

The wall has, however, been completed except the coping, between Piers, new 54 and new 55, and between Piers, new 56 and new 57, and filling nearly completed between Twenty-fourth and Twenty-fifth streets behind the wall.

Pier, new 55.—The temporary approach to this pier has been widened and kept in order.

Pier, new 56.—This pier was fully completed on 22d May last, and the shed upon it has been completed by the lessees. A plank approach has been built and maintained to it.

Pier, new 57.—This pier has also been entirely completed, being finished on 27th July, 1882.

Dredging in all the slips also has been completed to the usual depth of twenty-five feet at mean low water.

On account of an injunction received on 7th September, 1882, and still in force, the filling behind the wall between Piers, new 56 and new 57, has not yet been put in.

**North End.**—Work on the wall began under resolution of Board, passed 28th June, 1882, on the following day, and has proceeded since then except for a “gap” of about 100 feet north of Twenty-eighth street, where work was stopped by injunction on 11th September, 1882. At this gap of 100 feet in length no work has been done except the dredging and part of the stone filling, put in before injunction was served. On this date dredging and piling (except at gap) has been done to north side of Thirtieth street.

Base blocks set to within 108 feet of north side of Thirtieth street. Granite has been set as far as the gap, and the foundation to the northward is ready to receive it.

No coping has been set on this section as yet, the wall not being ready to receive it on account of settlement still in progress. At the north end the whole wall has been built one foot higher than usual (relative to mean low-water mark), in order to allow for settlement on the bottom of this section.

**Forty-fourth Street, North River.**—Orders were received on 22d November last, to build a pier at foot of West Forty-fourth street, North river. The preliminary dredging was begun on December 12, 1882, but all work was stopped by an injunction obtained by the Municipal Gas-light Company.

**Forty-sixth Street, North River.**—The pier at the foot of this street being in a dilapidated condition, has been partly removed and partly repaired to make a temporary approach to a new pier 500 feet long, outside the bulkhead line, and sixty feet wide, which has been built; the work was done by Mr. John Gillies, contractor (Contract No. 158), and was finished on 27th October last.

**Fifty-fifth Street, North River.**—Plans and specifications have been prepared for a new pier and temporary approach thereto, at the foot of Fifty-fifth street, North river, and a contract has been made with Mr. John Gillies to furnish the material and do the work (Contract No. 184). It will probably be furnished in September.

**Seventy-eighth and Seventy-ninth Streets, North River.**—A crib-work bulkhead has been built by Mr. John Kelly, of Brooklyn, contractor (Contract No. 157), extending from the southerly side of Seventy-eighth street to the pier at Seventy-ninth street, a distance of about 300 feet. The crib work was completed on 18th September last, and the area in its rear has been filled in since then.

## EAST RIVER.

On the East river no work has been done under the new plan.

Plans and specifications were prepared for building about 598 feet of the bulkhead or river wall from Twenty-sixth to Twenty-eighth street, East river, inclusive of both, by contract, but a contract has not yet been made.

In accordance with the direction of the Board, a new plan for improvement of the water-front from Grand street to Thirty-fourth street, was devised and prepared with full maps of the water-front, estimates of cost of land to be taken and of the work to be done, tables of wharfage room to be made, and other information, and submitted in December last.

Plans and specifications have been prepared for building by contract:

A small pier at foot of Seventy-fifth street, East river, contract (No. 177);

A crib bulkhead at foot of Ninety-ninth street, East river, contract (No. 182);

A small pier at foot of One Hundred and Fourth street, Harlem river, contract (No. 183);

A platform for use of Department of Public Charities and Correction, contract (No. 181);

On the west side of Blackwell's Island opposite Seventy-first street; and the contracts have been let and the work begun on each.

**North Brother Island.**—The pier built last year for use of Health Department, has been entirely finished and completed.

**General Repairs.**—Under this head the expenditures and work have been only about three-fifths as great as they were last year.

In the appendix will be found a detailed statement of contracts and other work done.

**Floating Property.**—The floating property of the Department consists of the following:

100-ton derrick “City of New York.”

10-ton derrick.

Tug “Manhattan.”

2 dredges, Nos. 3 and 4.

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

10 pile-drivers, Nos. 1, 2, 3, 5, 6, 7, 8, 9, 10 and 11.

9 deck-scows, “B,” “C,” “D,” “E,” “F,” “May,” “Jim,” “Willie” and “Joe”

(derrick and engine removed April 7).

Boring machine “Woodcock.”

2 diver's scows.

11 yawl boats, 2 skiffs, and 2 bateaux.

The 100-ton derrick “City of New York” set 43 concrete base blocks in the new bulkhead wall (5 at Laight street section, 9 at West Twenty-third street section, south end, and 29 at West Twenty-third street section, north end). Placed 4 concrete base blocks on the capping at West Twenty-third street section, south end, temporarily. Shifted small concrete block from south end of West Twenty-third street section to north end of West Twenty-third street section, for the use of the surveyors. Employed its steam pump and hose in removing mud from the stone filling at West Twenty-third street section, south end. Shifted granite on the bulkhead at East Seventeenth street yard.

The derrick also raised from the water and placed on the bulkhead at the Gansevoort street Yard for repairs, and afterwards replaced in the water, the following machines:

Pile drivers Nos. 2, 3, 6 and 7, and the small and large diving scows. Its employment in this way obviated the necessity of taking these machines to a dry dock. It also removed and replaced the cranes and spuds on dredges Nos. 3 and 4, and the ways on pile-driver No. 7.

The derrick also did the following work for private parties: Raised a boiler weighing 40 tons to the deck and lowered it into the hold of the steamboat “Central,” for C. H. Delamater & Co., under Secretary's Order 2628. Shifted two boilers, weighing 35 tons each, for C. H. Delamater & Co., under Secretary's Order 2726.

The sides and deck of the scow were calked and painted, the tower, sashes, etc., painted, and the necessary repairs made to the front end, deck under the boiler, turret, etc. The machinery was repaired, the boiler cleaned, joints made in the steam pipe, an inspirator placed on the boiler, and a Siebert's lubricator placed on the engine.

The ten-ton derrick has set 626 pieces of granite in the bulkhead wall at West Twenty-third street section (560 at south end, and 66 at north end), was docked, calked, repaired and painted; made and painted grating for hatchway, repaired engine, scraped boom, made hatch cover, oiled boom and mast, repaired door, shutters, bands, house and roof, and painted inside of house and hull, made fenders, etc., and attached old inspirator to boiler.

Dredges No. 3 and 4 were docked, repaired, calked and painted, and remain in the possession of the Union Dredging Company.

The twelve dredging-machine mud-scows are in the possession of the Union Dredging Company.



The ten pile-drivers have been repaired and kept in order from time to time. Pile driver No. 5, fitted with circular saw, has had a Worthington pump placed upon it for washing mud from among piles of the wall foundation under water.

The nine deck-scows have been repaired and kept in order. The derrick and engine on scow "Joe" have been taken off, and placed in Seventeenth Street Yard.

Borer "Woodcock" was hired to the New York Ontario and Western Railroad Company from January 8, 1883, to March 3, 1883, and has been kept in repair.

Diver's scows. Both have been repaired and kept in use. As reported last year, the larger one is in poor condition, and should be broken up and a new one built.

The yawl boats and other small boats are in fair order for use.

Tug "Manhattan" has done all the towing required by the Department, except during the periods from August 24 to September 9, and from April 18 to 23, when she was laid up for repairs to boiler and machinery, and was inspected by United States authorities September 8, 1882. The steam pump was used at various times for removing mud from the stone filling at the Twenty-third street section, south end. May 15, June 26 and August 24, laid up to clean boiler. August 25, getting ready for inspection. August 26 to September 9, repairing boiler. December 12 and January 23, cleaned boiler. January 24 and 25, repairing machinery. February 27, cleaned boiler. April 9, repaired boiler, and April 18 to 24, repaired machinery, water closet, steering gear, coal chute and chain locker, fastened deck plates, calked tank, made sleeping bunk for deck-hand and blinds for house; altered frame for pilot house, put on new feed-water heater, put in glass, cased steam chest, canvased and painted deck, painted house, sides, fire buckets, etc., and made rope and wood fenders.

The boiler of the "Manhattan" is worn out, and plans and specifications have been prepared for a new one.

Surveying Party.—Base lines and bench marks have been verified from time to time in connection with the construction of the bulkhead wall and of piers at the different sections of the North river, and from them lines and levels have been given during the progress of the work. Lines and levels have also been given for contract work on general repairs.

The quantities of sand, broken stone for concrete, rip-rap stone and cobble stone delivered at the various sections have been measured, calculated and receipts given for the same.

Surveys and examinations have been made over 9,677 linear feet of water-front.

These surveys have been plotted and put on file in this office, and tracings have been prepared therefrom.

971 rod soundings, to ascertain depth of soft mud, have been taken, of which 826 were on the North river and 145 on the East river; 28,711 disc sounding, to ascertain depth of water, have been taken on the North, East and Harlem rivers, in 145 slips, of which 10,137 were for construction, and 18,574 for general repairs, examinations, etc., taken before and after dredging, all of which have been reduced, plotted, and are on record in this office.

The measurements of dredging have been made and account of the same kept, and the dumping of dredged material supervised.

Gansevoort Street Yard.—39 concrete base-blocks have been made at this yard during the year. There have been received 5,589 barrels of cement, and samples of each lot have been tested.

All the iron and blacksmith work for the Department has been done here, and small articles have been issued from the store-house as required.

East Seventeenth Street Yard.—The principal work at this yard has been the receiving, storing and issuing of granite delivered by the contractor, and the receiving and storing of cement. Some slight repairs to the derrick have been made, and also of hoisting engine. The Street Cleaning Department has used the bulkhead for its scows, also some other parts of the yard.

The wooden bulkhead of this yard has been repaired by Mr. Moses Engle, contractor, under Contract No. 170, for a length of about 200 feet on its northerly side, and about 54 feet on its easterly side. Work was begun on 15th November, 1882, and completed on 31st December, 1882.

The Commissioners of the Sinking Fund, having set apart part of the yard for purposes of the Health Department, moving of this Department's shed has been begun.

9,160.79 cubic feet of granite have been received during the year, and 13,723.70 cubic feet have been issued to the West Twenty-third street section.

The yard has also been used for temporary storage of material for the general repairs.

I herewith submit an appendix, containing—

A summary of the work done at each section and at the Department yards.

A list of general repairs made by contract.

A list of items of general repairs made otherwise than by contract.

A statement in detail of dredging done.

A statement of stock on hand, purchased and issued at Gansevoort Street Yard.

A statement of granite, etc., on hand, received and issued from East Seventeenth Street Yard.

A schedule of items of work done by private parties under permit from Board of Docks, and under my general supervision.

Very respectfully, your obedient servant,

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

#### APPENDIX.

##### Summary of Journal of the Work for the Year ending April 30, 1883.

##### NORTH RIVER WATER-FRONT.

##### WORK OF CONSTRUCTION UNDER THE NEW PLAN, SOUTH OF WEST TWENTY-THIRD STREET.

##### BATTERY SECTION.

May 13 to 16, 1882.—Repaired platform rear of bulkhead wall, north of Pier, new 1, North river.

May 22 to 30, 1882.—Constructed temporary extension of bulkhead, north of Pier, new 1, North river, under Secretary's Order No. 2469.

June 12 to 16, 1882.—Moved boat-house from area to be paved, near Pier, new 1, North river.

June 26 to September 14, 1882.—Contractor William Kelly's force excavated, graded, paved and cemented pavement on the newly made land near Pier, new 1, North river, and completed all work as required by his contract (No. 159).

June 17 to 22, 1882.—Mason dressed down back of coping stone, to allow contractor to pave close up to same.

February 5 to 10, 1883.—Filled back earth removed, and relaid temporarily pavement removed, by the Iron Steamboat Company, to repair water-pipe, under Secretary's Order No. 2890.

##### CHAMBERS STREET SECTION.

May 18 to June 23, 1882.—Filled up large holes (made by settlement of filling) in front of the freight receiving platform, between Piers, new 20 and 21, North river, and the pavement of West street, under Secretary's Order No. 2477. Received 538 loads of earth and rip-rap, stone free, to fill up same.

August 4 to 6, 1882.—Shored up old shed south of Pier, old 33, North river, the piles on which it rested having been disturbed by the filling south of it.

September 9 to October 16, 1882.—Repaired roadway to Pier, new 21, North river.

October 9 to November 24, 1882.—Received 635 cart-loads of cobble and rip-rap stone free, to fill up rear of wall on the northerly slope.

November 8 to December 30, 1882.—Repaired roadway to Pier, new 21, North river.

November 24, 1882.—Shored up section office, the filling north of it having settled away.

December 21 to 23, 1882.—Shored up old shed, south of Pier, old 33, North river, the piles on which it rested having been disturbed by the filling south of it.

January 6, 1883.—Placed storm-door at entrance to the office.

##### BEACH STREET SECTION.

May 18 to 21, 1882.—Sheathed a portion of the roadway to Pier, new 26, North river.

September 4, to 7, 1882.—Repaired roadway to Pier, new 26, North river.

November 9, 1882.—Repaired roadway to Pier, new 26, North river.

March 29, 1883.—Repaired roadway to Pier, new 26, North river.

November 1 to 2, 1882.—Drove two clusters of piles at the north end of the section to protect bulkhead wall foundation, 6 piles in one cluster and 8 piles in the other. Old piles were used.

##### LAIGHT STREET SECTION.

May 1 to 11, 1882.—Removed old work rear of wall, to make way for earth filling, constructed temporary sewer, and built roadway to Pier, new 28, North river.

May 1 to 23, 1882.—Received 1,752 loads of earth filling by ticket, rear of bulkhead wall (to date 17,458 loads by ticket, and 461 free loads received).

May 29 to June 1, 1882.—Pulled up piles, driven at north end of section March 11, 1882, to keep canal boats from interfering with work at this point.

June 15 to 18, 1882.—Removed old work rear of bulkhead wall.

June 28, 1882.—Removed backing logs from roadway to Pier, new 28, North river, to make way for the Pennsylvania Railroad Company to erect temporary shed.

July 31, 1882, to April 11, 1883.—The Union Dredging Company excavated and removed 6,737 cubic yards (Class 2) mud, and 4,490 cubic yards (Class 1a) crib-work, from line of proposed bulkhead wall; 12,120 cubic yards (Class 2) mud, and 10,579 cubic yards of (Class 1a) crib-work, from

one-half slip south side of Pier, new 28, North river; and from one-half slip on the north side of pier, 7,140 cubic yards (Class 2) mud; and from one-half slip north of proposed Pier, new 27, North river, 445 cubic yards (Class 2) mud, and 8,252 cubic yards of (Class 1a) crib-work.

August 1 to September 3, 1883.—Tore down old shed on the outer portion of Pier, old 38, North river (on the "Old Red Fort"); also removed old sheathing and decking, pulled up 394 old piles, and removed all the old material from the premises.

November 9 to December 1, 1882.—Blocked and shored up on the north side of Pier, old 38, North river, the foundation having been disturbed by dredging.

December 1 to 28, 1882.—Divers, with assistants, made an examination of the area dredged in line of proposed bulkhead wall, and, with the assistance of pile driver and crew, removed old sunken piles and timber; also removed old sunken piles in slip between Piers, new 28, North river, and proposed new 27. Removed 528 old piles from slip and 293 from line of proposed bulkhead wall.

December 11, 1882, to March 23 1883.—John A. Bouker's force deposited on wall foundation 1,543 cubic yards of rip-rap stone and 1,690 cubic yards of cobble-stone.

January 1 to May 1, 1883.—Drove for wall foundation 370 vertical (broke 5) and 60 bracing (broke 4) piles, regulated and staylathed same; made, placed and fastened in place (5) five binding frames; also placed and fastened in position 9 longitudinal caps (216 lineal feet) and 20 transverse caps; bored for and drove 168 two-inch and 57 three-inch treenails; sawed off with pile-cutting machine 191 piles, and cut off by hand 62; also got out chock-pieces, to place underneath ends of caps, key-pieces for binding frames.

February 14 to 27, 1883.—Divers, with assistants, assisted by dockbuilders, sank 3 binding frames and keyed same in place; also removed old bark from piling, and took up railroad iron binding frame.

February 28, 1883.—Built small temporary platform at south end of section, to sight from to drive piles.

March 1 to 2, 1883.—Shored up inner end of Pier, old 38, North river.

March 5 to 13, 1883.—Divers, with assistants, located foundation piles to receive the concrete base blocks; sawed off 4 piles, two (2) in close row at the north end of section, and two (2) high piles on foundation to receive the base blocks; cleaned old bark from among the piles prior to putting in the stone filling, and keyed up binding frame.

March 23 to March 30, 1883.—Divers leveled off stone filling over the area on wall foundation, where the concrete base blocks are to be placed.

March 31 to April 3, 1883.—Force with the 100-ton derrick and assistance of drivers, set five (5) concrete base blocks.

April 28 to May 1, 1883.—Divers assisted dockbuilders to sink two (2) binding frames and laborers to fill chain holes on the base blocks.

Paving newly made Land near Piers, new 42 to 45 N. R. Under Contract No. 164.

August 30, 1882, to November 30, 1882.—Contractor (Charles Guidet's) force excavated, graded, paved and cemented pavement, and finished all work, as required under his contract.

Paving newly made Land near Piers, new 34 to 38, N. R. Under Contract No. 167.

October 27, 1882, to May 1, 1883.—Contractor (Charles Guidet's) force excavated and graded the area to be paved between Piers, new 38 and new 34, North river; also paved and cemented pavement between Piers, new 38 and new 35, North river.

Work under this contract was ordered to be stopped by Engineer-in-Chief, December 29, 1882, on account of the frost in the ground, and on March 21, 1883, the contractor was ordered to resume the work March 26, 1883, which was not commenced until March 27, 1883.

Paving newly made Land near Piers, new 38 to 42, N. R. Under Contract No. 168.

October 31, 1882, to May 1, 1883.—Contractor (John B. Devlin's) force excavated and graded the area to be paved between Piers, new 41 and new 39, North river; paved and cemented the pavement between Piers, new 42 and new 39, North river.

Work under this contract was ordered to be stopped by Engineer-in-Chief, December 20, 1882, on account of the frost in the ground, and on March 21, 1883, the contractor was ordered to resume the work March 26, 1883, which was not commenced until April 2, 1883.

Paving newly made Land in front of Hoboken Ferry, Under Resolution of Board, dated November 1, 1882.

December 8 to 16, 1882.—Charles Guidet's force excavating and grading the area to be paved, and paving and cementing pavement; stopped work on account of frost in the ground.

Upon the completion of the work under the above-mentioned contracts and resolution of the Board, the entire distance paved along the water-front will be as follows:

Under Contract No. 164—

From the south line of Pier, new 42, to the north line of Pier, new 43. 276.10 feet.

From the south line of Pier, new 44, to the north end of paving north of

Pier, new 45. 271.93 " 548.03 feet.

Under Contract No. 167—

From fifty feet south of Pier, new 34, to the south line of Pier, new 38. 1,001.61 "

Under Contract No. 168—

From the south line of Pier, new 38, to the south line of Pier, new 41. 924.69 "

Under Resolution of the Board, November 1, 1882—

From the north line of Pier, new 43, to the south line of Pier, new 44. 194.20 "

Total length of paving along the water front. 2,668.53 feet.

##### CANAL STREET SECTION.

August 31 to October 16.—Removed temporary sewer between old and new bulkheads between Piers, new 34 and new 35.

September 2 to 4.—Closed up temporary sewer opening in new bulkhead wall between Piers, new 34 and new 35.

September 20 to October 5.—Removed all the portions of the old bulkhead still remaining above half-tide.

March 21 to April 14.—Digging and filling in trenches dug to remove water-pipes to line of crosswalk on the newly-made land near Pier, new 34, North river.

##### Pier, New 34.

May 13 to 19.—Repaired plank approach to the pier.

##### SPRING STREET SECTION.

June 23.—Repaired backing log north of Pier, new 35.

July 26.—Cleared bulkhead between Piers, new 35 and new 36.

March 21 to April 15.—Digging and filling in trench dug to remove water-pipes to line of crosswalk on the newly-made land in front of Pier, new 35.

##### Pier, New 35.

May 20 to 31.—Repaired plank approach to the pier.

##### CHARLTON STREET SECTION.

May 19 to 29.—Dug a trench to drain newly-made ground near foot of Charlton street.

May 20 to 24.—Filled in and leveled newly-made ground. Received 187 loads of filling.

July 27.—Cleared the bulkhead between Piers, new 35 and new 36.

July 27.—Cleared the bulkhead between Piers, new 36 and new 37.

August 22 to September 27.—Removed the temporary sewer between the old and new bulkheads, near the foot of Charlton street.

August 25 to 28.—Closed the temporary sewer opening in the new bulkhead wall between Piers, new 36 and new 37.

November 3.—Removed watchman's house to foot of Seventy-ninth street, North river.

March 21 to April 16.—Digging and filling in trenches dug to remove water-pipes to line of crosswalk, in front of Piers, new 36 and new 37.

##### Pier, New 36.

July 14, 15, August 5 and November 15.—Repaired plank approach.

##### Pier, New 37.

May 1 to August 8.—Contractor (John Gillies) continued building and fully completed Pier, new 37.

May 2 to 10.—The Union Dredging Company excavated 1,581 cubic yards (to date, 56,633) of mud, and 2,231 cubic yards (to date, 2,231) of crib and removed 12 old piles (to date, 198) from site of pier.

August 9 and 10.—Constructed plank approach to the Pier.

##### NEW KING STREET SECTION.

September 18 to October 27.—Removed the temporary sewer between the old and new bulkheads at foot of King street.

September 21 to 25.—Closed the temporary sewer opening in the new bulkhead wall under Pier, new 28.



October 11.—Removed old stumps of telegraph poles from near the line of the old bulkhead.  
 October 18 to 24.—Placed cast-iron sockets for coal derrick masts on the new bulkhead.  
 April 13 to 28.—Digging and filling in trenches dug to remove water-pipes to line of crosswalk in front of Pier, new 38, North river.

*Pier, New 38.*

July 25 to 27.—Repaired plank approach.

## OLD KING STREET SECTION.

November 13 to December 6.—Excavated and refilled places in the rear of the new bulkhead wall where settlement had taken place.

## HOUSTON STREET SECTION.

September 4 to October 26.—Removed the temporary sewer between the old and new bulkheads at the foot of West Houston street.

September 5 to 8.—Closed the temporary sewer opening in the new bulkhead wall under Pier, new 39.

October 12 to 15.—Removed all the portions of the old crib-bulkhead still remaining above half-tide.

October 17 to 25.—Placed cast-iron sockets for coal derrick masts on the new bulkhead.

April 14 to 20.—Digging and filling in trench dug to remove water-pipes to line of crosswalk in front of Pier, new 39.

*Pier, New 39.*

May 15, July 13 and 17.—Repaired plank approach.

## UPPER CLARKSON STREET SECTION.

October 16, to November 19.—Excavated and refilled places in the rear of the new bulkhead wall where settlement had taken place.

## LEROY STREET SECTION.

July 21.—Cleared the bulkhead between Piers, new 41 and new 42.

August 17 to September 4.—Removed the temporary sewer between the old and new bulkheads at the foot of Leroy street.

August 25 to September 2.—Removed all the portions of the old crib-bulkhead still remaining above half-tide.

August 30 and 31.—Closed temporary sewer opening in the new bulkhead wall under Pier, new 41.

February 20.—Diver made an examination of bulkhead wall between Piers, new 41 and new 42, North river.

*Pier, New 40.*

June 30.—Patched plank approach.

*Pier, New 41.*

September 13 to 18.—Relaid plank approach.

## MORTON STREET SECTION.

June 28.—Closed the temporary sewer outlet in the new bulkhead wall south of Pier, new 42.

September 21.—Removed portions of the old bulkhead still existing above half-tide.

*Pier, New 42.*

June 28, July 26 and 27.—Repaired plank approach.

April 11 to 30.—Contractor (Wm. P. Kelly's) force repairing understructure of Pier, new 42, North river, under Contract No. 178. Repairing horizontal and "A" braces, driving, placing, fastening and chocking brace piles.

## CHRISTOPHER STREET SECTION.

June 20 and 21, and September 19.—Repaired water-pipe leading to Piers, new 46 and new 47.  
 August 14 to September 14.—Removed the temporary sewer between the old and new bulkheads between Morton and Barrow streets.

August 23 and 24.—Closed temporary sewer opening in new bulkhead wall north of Pier, new 42.

August 26 to September 4.—Removed portions of the old crib bulkhead existing above half-tide, between Piers, new 42 and new 43.

September 9 to 18.—Removed temporary sewer between the old and new bulkhead at the foot of West Tenth street.

September 14 and 15.—Closed temporary sewer opening in new bulkhead wall under Pier, new 45.

October 3 to 10.—Removed portions of the old bulkhead still existing above half-tide, between Christopher and West Tenth street.

October 13 to 30.—Digging and filling in trench dug to remove water-pipes to line of crosswalk in front of Pier, new 43, North river.

October 20 to 28.—Placed cast-iron sockets for coal derrick masts on new bulkhead.

April 19 to 30.—Digging and filling in trench dug to remove water-pipes to the north of the line of crosswalk in front of Pier, new 45.

*Pier, New 43.*

June 1 to 5.—Placed spring piles at outer end of the pier.

June 6 to 15.—Repaired leak in hydrant on the pier.

June 9 to 12.—Patched deck of pier.

March 7.—Replacing gate on south side of shed, it having been displaced by a ferry-boat hitting against the pier.

*Pier, New 44.*

June 22 to 26.—Repairing fenders at outer end of pier, and casting cast-iron mooring-posts.

*Pier, New 45.*

May 24 to 27.—Placed new armature plates on outer end of pier.

June 8 and 9.—Repaired plank approach.

July 7 and 8.—Repaired chocks on south side of pier.

*Pier, New 46.*

June 3 to 8.—Repaired plank approach.

July 13 to 17.—Repaired plank approach.

*Pier, New 47.*

July 19.—Repaired plank approach.

*Office.*

October 19 to 27.—Removed the office from the foot of Morton street to the foot of Bloomfield street, North river.

*Examination of Bulkhead Wall.*

July 10 to 15.—The new bulkhead wall from the south side of Pier, old 42, to the north side of Pier, new 47, was examined with the assistance of the diver.

*Pier at Twenty-first Street, North River.*

June 16 and 17.—Drove and fastened 9 yellow pine spring piles at outer corners of pier under Secretary's Order No. 2487.

## WEST TWENTY-THIRD STREET SECTION, SOUTH END, BULKHEAD WALL.

*Stone Filling.*

May 1 to January 9.—John A. Bouker placed 4,814 cubic yards of cobbles, and 7,701 cubic yards of rip-rap. John Voorhis placed 253 cubic yards of rip-rap. Department laborers placed 138 cubic yards of cobbles (received free), and 748 cubic yards of rip-rap (received free). The total amount of stone filling placed in the wall during the year was 4,952 cubic yards of cobbles and 8,702 cubic yards of rip-rap.

The total amount of stone filling placed to date is as follows:

	COBBLES.	RIP-RAP.	STREET COBBLES.	BALLAST.	SPAWLS.	TOTAL.
By Requisition.....	19,774	25,169	2,746	307	....	47,996
By Department.....	7,609	4,066	.....	....	589	12,264
	27,383	29,235	2,746	307	589	60,260

May 8 to 11.—Bulkheaded the piling north of Pier, new 57, to retain filling.

May 10 to June 20.—Divers, assisted by tug "Manhattan," with steam pump and hose, and Pile Driver No. 5, with broom attached to shaft, washed mud from surface of stone filling north of Pier, new 57, and between Piers, new 56, and new 57.

June 20 to 22.—Placed Worthington Duplex Steam Pump on Pile Driver No. 5, to be used in removing mud from stone filling.

June 21 to July 7, and July 24.—Divers, assisted by tug "Manhattan" and Pile Driver No. 5, with steam pump and hose, washed mud from stone filling in vicinity of Pier, new 57.

July 24 to August 9.—Divers, assisted by Pile Driver No. 5, with steam pump and hose, washed mud from stone filling between Piers, new 54 and new 55.

August 25 to September 6.—Union Dredging Company placed (free) 305 cubic yards of rip-rap in rear of piling between Piers, new 56, and new 57 (included in the above statement).

September 11 to 13, and October 16 to 19.—Divers, assisted by Pile Driver No. 5, with steam pump and hose, washed mud from stone filling between Piers, new 54, and new 55.

*Piling and Woodwork.*

June 27.—Finished keying binding frames between Piers, new 56, and new 57.

May 1 to March 24.—Placed 102 transverse caps (to date, 287) and 606 feet of longitudinal caps (to date, 2,551).

June 26 to March 23.—Placed 5,880 square feet of cap planking.

*Masonry.*

May 4 to November 18.—Set 9 concrete base blocks (to date, 73) and filled chain holes.

May 11 to April 7.—Set 560 pieces of granite (to date, 867).

May 22 to April 8.—Made and placed 1,815 batches of concrete (to date, 2,874).

*Filling in Rear of Wall.*

May 1 to April 30.—Received 27,246 loads of filling, on tickets, in rear of wall at West Twenty-fourth street, West Twenty-fifth street, West Twenty-sixth street and West Twenty-seventh street.

May 15 to 22.—Built rip-rap embankment at north end of filling, between Piers, new 54, and new 55, to retain earth filling. Received 103 loads of rip-rap, delivered free.

September, 7, 1882.—Work on filling behind wall between West Twenty-sixth and West Twenty-seventh streets stopped by injunction.

June 26 to September 7.—Built a rip-rap embankment from the rear of the wall at the north side of Pier 56, new, to the old bulkhead at north side of West Twenty-sixth street, to retain filling in rear of wall between West Twenty-sixth street and West Twenty-seventh street. Placed 2,016 loads of rip-rap (received free).

March 27 to April 16.—Placed 2,937 loads of ashes, etc., received from the Department of Street Cleaning, in the rear of the wall between West Twenty-fifth and West Twenty-sixth streets.

The total amount of filling received to date is as follows:

COMMENCED.	LOCATION.	PAID TICKETS.	FREE LOADS.	BLACK-HURST.	DEPT. OF STREET CLEANING.	TOTALS.
Oct. 1, 1881.	West Twenty-fourth street.....	7,320	7,750	.....	7,590	22,660
Feb. 18, 1882.	West Twenty-fifth street.....	119	.....	.....	.....	119
Mar. 29, 1882.	West Twenty-sixth street.....	772	2,016	.....	.....	2,788
July 27, 1882.	West Twenty-fifth street.....	45,198	.....	373	.....	45,571
		53,409	9,776	373	7,590	71,138

*Guard Piling.*

May 3d to 5th.—Drove 3 guard piles to protect the uncompleted wall between Piers, new 54 and new 55.

October 14th.—Removed the above-mentioned guard piles.

*Temporary Backing-Logs.*

January 25th and 26th.—Placed temporary backing-log on wall between Piers, new 54 and new 55.

January 27th to 30th.—Placed temporary backing-log on wall between Piers, new 56 and new 57.

*Pier, New 54.*

June 29th to July 8th.—Raised inner end of pier.

June 17th.—Repaired plank approach to pier.

July 11th to 20th.—Raised the plank approach to pier.

August 31st.—Repaired plank approach.

February 13th to March 16th.—Raised plank approach.

*Pier, New 55.*

May 1st.—Finished placing two large iron mooring-posts at outer end of pier.

May 1st to 2d.—Union Dredging Company excavated 2,714 cubic yards (to date 61,196) of mud from slips on north and south sides of pier.

May 13th to 22d.—Placed 8 cast-iron mooring-posts and 8 cast-iron cleats on the pier.

February 9th.—S. S. "Stanmore" ran into the pier and carried away part of buffer at the northwest corner of the pier.

June 1st to 15th.—Widened plank approach to pier.

September 2d.—Repaired plank approach.

January 27th to 29th, February 20th, March 2d and 28th.—Braced the piling under the plank approach.

*Pier, New 56.*

May 19th to 31st.—The Union Dredging Company excavated 19,456 cubic yards of mud from slips adjoining the pier.

May 22d.—Contractors Ross and Sanford fully completed Pier, new 56.

May 23d to 31st.—Placed 6 cast-iron mooring-posts on inner end of pier.

July 21st to 24th.—Raised inner end of pier.

June 1.—Finished temporary approach to pier.

June 2 to 6.—Widened and extended approach to pier.

July 29.—Replaced piles that had been displaced by stone filling under approach to pier.

*Pier, New 57.*

July 6 and 7.—Masons cut checks in granite for side caps of pier.

July 27.—Contractors Ross and Sanford fully completed Pier, new 57.

August 7 to 24.—The Union Dredging Company excavated 33,564 cubic yards of mud from slips adjoining the pier.

November 24.—Placed 3 fender piles under south side of pier.

## WEST TWENTY-THIRD STREET SECTION, NORTH END.

*Dredging.*

June 29 to November 16.—The Union Dredging Company excavated 133,038 cubic yards of mud from the site of the bulkhead wall.

July 21, November 11 and 16.—Diver examined site of wall after dredging.

November 11.—Removed 6 stumps and 1 oak log from site of wall.

*Stone Filling.*

July 21 and 22.—Drove 9 mooring piles for stone-scows.

July 22 to April 30.—John A. Bouker placed 13,523 cubic yards of cobbles and 14,450 cubic yards of rip-rap; and the Department laborers placed 336 cubic yards of cobbles (received free) at West Twenty-fourth and West Twenty-sixth streets. The total amount of stone filling received to date is as follows: cobbles, 13,859 cubic yards; rip-rap, 14,450 cubic yards.

November 27.—Divers, assisted by Pile Driver No. 5, with steam pump and hose, commenced washing mud from foundation piles north of Pier New 57. Diving party bulkheaded piling to retain filling, and leveled cobbles to grade.

February 28.—Divers, assisted by Pile Driver No. 5, with steam pump and hose, commenced removing mud from between piles north of the angle.

*Piling and Woodwork.*

August 17 to April 27.—Drove 1,523 vertical piles and 252 bracing piles.

September 14 to April 14.—Placed 20 binding frames.

September 18 to March 19.—Cut 610 piles with circular saw. Diving party located foundation piles north of Pier, new 57.

November 13 to April 30.—Placed 102 transverse caps and 42 longitudinal caps (964) feet.



## Masonry.

November 15 to April 30.—Set 29 concrete base blocks and filled chain holes.  
 April 4 to 30.—Set 66 pieces granite.  
 April 4 to 30.—Made and placed 192 batches of concrete backing.  
 January 8.—Shifted small concrete base block from "south end" to "north end" for use of surveyors.

## West Thirtieth Street Pier.

September 13 to October 26.—Removed old pier; pulled 433 piles.  
 September 25.—Divers assisted in pulling broken piles.  
 November 21.—Drove one pile for signal light at crib at outer end of pier.  
 February 20 to March 5.—The Union Dredging Company excavated 6,667 cubic yards of mud and 1,943 cubic yards of crib work from site of pier.

## Office and Store House.

July 10 to 14.—Moved office to foot of West Twenty-fourth street.  
 August 14.—Placed 5 fender piles along south side of office.  
 August 15.—Moved storehouse to Pier, new 57, North river.

## Injunction.

September 11, 1882.—Work for 100 feet north of West Twenty-eighth street stopped by injunction.

## New Pier at West Forty-fourth Street.

October 13.—Drove 3 test piles on site of pier.  
 December 12 to 20.—The Union Dredging Company excavated 20,934 cubic yards of mud from site of new pier. The dredging was stopped by injunction at latter date.

## New Pier at West Forty-sixth Street.

June 12.—Contractor John Gillies commenced removing old pier.  
 June 26 to July 5.—Contractor John Gillies excavated 13,114 cubic yards of mud from the site of the new pier.  
 July 3.—Commenced driving piles in the approach to the pier.  
 October 27.—Fully completed the new pier and approach.

## New Pier at West Fifty-fifth Street.

December 21 to January 11.—The Union Dredging Company excavated 56,884 cubic yards of mud from site of pier.  
 December 23.—Removed portions of deck and made an examination of substructure.  
 March 15 to 17.—The Union Dredging Company excavated 4,462 cubic yards of mud from site of pier.  
 March 17.—Account transferred to General Repairs Account.

## DEPARTMENT YARDS.

## GANSEVOORT STREET YARD.

May 1, 1882, to May 1, 1883.—Carpenters stripped and set up concrete moulds, repaired railroad track and concrete platform, constructed Tally House, moved office and tool-house from Christopher street to Gansevoort Street Yard, made pipes and wedges, altered book-case, and put up shelving at General Office, 117 and 119 Duane street.  
 May 1, 1882, to May 1, 1883.—Laborers assisted carpenters, also engaged making 39 concrete base blocks—1,297.54 cubic yards of concrete, and received 5,589 barrels of cement.  
 May 1, 1882, to May 1, 1883.—Blacksmiths made and repaired iron-work for West Twenty-third Street Section, floating property, general repairs, and for sections south of West Twenty-third street, North river.

## EAST SEVENTEENTH STREET YARD.

May 1 to 3, 1882.—Received granite from the Cape Ann Granite Company.  
 June 3 to 7, 1882.—Received granite from the Cape Ann Granite Company.  
 June 17 to 24, 1882.—Loaded granite on scow for West Twenty-third Street Section.  
 July 8 to 19, 1882.—Moved granite with the 100-ton derrick from the front of bulkhead, as the bulkhead was considered unsafe.  
 July 24 to 26, 1882.—Repaired falls of the yard derrick.  
 July 28 to 31, 1882.—Loaded granite on scow for West Twenty-third Street Section.  
 August 1 to 3, 1882.—Built a fence in yard to separate it from the Street Cleaning Department.  
 August 8 to 10, 1882.—Oiled the falls of yard derrick.  
 September 1 to 30, 1882.—Painted sand heaters and concrete tubes.  
 October 2 to 20, 1882.—Repairing gate door, also windows in storehouse and office.  
 November 2 to 4, 1882.—Loaded granite on scow for West Twenty-third Street Section.  
 November 15 to December 31, 1882.—Contractor (Moses Engle's) force repaired bulkhead from low water up, two hundred feet on the northerly side of the yard, and about fifty-four feet on the easterly side of yard, under Contract No. 190.  
 November 16 to 31, 1882.—Took out, repaired and replaced post for guy.  
 December 29 to 31, 1882.—Loaded granite on scow for West Twenty-third Street Section.  
 January 17 to 31, 1883.—Cut granite in the yard for West Twenty-third Street Section.  
 January 25 to February 9, 1883.—Took down the yard derrick and boom, repaired and replaced it.  
 March 21 to 23, 1883.—Loaded granite on scow for West Twenty-third Street Section.  
 April 7 to 25, 1883.—Moved tools, etc., from storehouse to make ready for moving same.  
 April 13 to 20, 1883.—G. Goodwin's Sons prepared to move storehouse and commenced moving same.

## GENERAL REPAIRS.

The following Work has been done by Contract and Completed during the Year.

No. OF CONTRACT.	CONTRACT FOR.	BEGUN.	COMPLETED.
NORTH RIVER.			
154 "A"	Pier at Fifty-first street; Flaherty & O'Connell, contractors.....	April 24, 1882	June 12, 1882
154 "A"	Pier at Fifty-second street; Flaherty & O'Connell, contractors.....	May 8, 1882	June 15, 1882
157	Building crib bulkhead, Seventy-eighth to Seventy-ninth street, North river; John Kelly, contractor.....	June 23, 1882	Sept. 18, 1882
174	Repairs to bulkhead and platform at One Hundred and Thirtieth street, North river; Joseph Walsh, contractor.....	Dec. 11, 1882	Jan. 11, 1883
154 "A"	Pier at One Hundred and Thirty-first street; Flaherty & O'Connell, contractors.....	June 6, 1882	July 27, 1882
154 "B"	Pier at One Hundred and Thirty-eighth street; Joseph Walsh, contractor.....	April 20, 1882	June 7, 1882
161	Dredging at dumps at West Twelfth street and West Forty-seventh street, North river; P. S. Ross, contractor.....	July 16, 1882	July 30, 1882
172	Dredging at dumping board at West Forty-seventh street, North river; Union Dredging Co., contractors.....	Nov. 10, 1882	Dec. 15, 1882
153	Dredging at foot of West Fifty-first street, North river; Union Dredging Co., contractors.....	April 18, 1882	May 24, 1882
EAST RIVER.			
162	Pier 15, East river; Warren Rosevelt, contractor.....	June 25, 1882	Sept. 14, 1882
156	Dredging easterly half of slip, between Pier 18 and Pier 19, East river; Chas. M. Pratt, contractor.....	May 1, 1882	May 11, 1882
166	Bulkhead between Piers 20 and 21; Richard Cronin, contractor.....	Oct. 10, 1882	Nov. 15, 1882
155	Pier 58; Joseph Walsh, contractor.....	May 2, 1882	July 5, 1882
166	Pier at Third street; Richard Cronin, contractor.....	Oct. 12, 1882	Nov. 21, 1882
171	Repairing pier and bulkhead at Fifth street, East river; John Gillies, contractor.....	Nov. 18, 1882	Feb. 15, 1883
170	Repairs to Bulkhead at the Department yard, foot of Seventeenth street, East river; Moses Engle, contractor.....	Nov. 15, 1882	Jan. 1, 1883
175	Repairing pier and bulkhead at foot of Twenty-third street, East river; Flaherty & O'Connell, contractors.....	Dec. 14, 1882	Feb. 15, 1883
172	Dredging at foot of East Twenty-fourth street, East river; at dumping board at Pier 61, East river; at dumping board at foot of East Seventeenth street, East river; at dumping board at foot of East Twenty-second street, East river; Union Dredging Co., contractors.....	Nov. 10, 1882	Dec. 15, 1882
169	Dredging at foot of East Twenty-fifth street, East river; Union Dredging Co., contractors.....	Oct. 16, 1882	Oct. 27, 1882
153	Dredging at foot of East Twenty-sixth street, East river; Union Dredging Co., contractors.....	In Departm't year ending Apr. 30, 1882	In Departm't year ending Apr. 30, 1882
176	Building crib bulkhead and platform south of the pier at foot of Seventy-ninth street, East river, and repairing bulkhead and bulkhead platform, from Seventy-eighth to Seventy-ninth street, East river; John Gillies, contractor.....	Jan. 2, 1883	Mar. 15, 1883
149	Removing old pier and building new pier on its site on the westerly side of North Brother Island, East river; Mahony Brothers, contractors.....	Jan. 31, 1882	June 3, 1882

The following Work by Contract has been begun and not completed to date.

Number of Contract.	CONTRACT FOR.	BEGUN.	COMPLETED.
NORTH RIVER.			
178	Repairs to understructure of Pier, new 42, North river; Wm. P. Kelly, contractor.....	April 11, 1883	May 27, 1883
EAST RIVER.			
180	Repairing small pier, between Piers 51 and 52, East river; John Gillies, contractor.....	April 12, 1883	.....
179	Repairing Pier 52, East river; Richard Cronin, contractor.....	April 14, 1883	.....
177	Building bulkhead platform at Seventy-fifth street, East river; Richard Cronin, contractor.....	April 14, 1883	.....

## STATEMENT OF GENERAL REPAIRS FOR THE YEAR ENDING APRIL 30, 1883.

## NORTH RIVER.

## Secretary's Order.

No. 2753. Pier, new 1.—Drove, chocked and fastened 4 new oak spring piles, reset and fastened old spring piles. Finished November 1, 1882.  
 No. 2832. Pier, new 1.—Drove 6 new oak fender piles and fastened same with chain. Finished January 11, 1883.  
 No. 2761. Public Bath at Lighthouse Street.—Cut off fenders placed for bath. Finished November 2, 1882.  
 No. 2470. Pier, old 42.—Drove, chocked and fastened 12 bearing, 13 spring and 7 fender piles, put in 4 mooring-posts and side and cross-caps, put down backing pieces and patched deck with 1,410 feet, B. M., of 4-inch new North Carolina yellow pine plank. Finished June 17, 1882.  
 No. 2694. Bulkhead north side of Pier, new 37.—Put on 1 new cleat. Finished September 30, 1882.  
 No. 2949. Pier, new 39.—Fastened bracing-piles and rods, put on 1 new white oak fender 8" x 12". Finished March 24, 1883.  
 No. 2816. Bulkhead between Piers, new 39 and 43.—Put on and bolted 6 iron cleats. Finished November 2, 1882.

## Damage done by Steamship "Chateau Leoville."

Pier, new 43.—Pulled, reset, chocked and chained spring piles. Finished July 29, 1882.

## Engineer's Order.

Pier, new 43.—Repaired hydrant on pier. Finished August 8, 1882.  
 Pier, new 43.—Patched hole in deck and one in box containing water-pipe. Finished August 10, 1882.

## Secretary's Order.

No. 2647. Pier, new 43.—Repaired gates on pier. Finished September 10, 1882.

## Engineer's Order.

Pier, new 43.—Patched deck with second-hand plank. Finished October 9, 1882.

## Secretary's Order.

No. 2800. Pier, new 43.—Pulled cluster of piles in place and fastened same with chain. Finished November 23, 1882.  
 No. 2847. Approach to Pier, new 43.—Took out 1 old plank and laid 1 new 4-inch plank in place of same at entrance to gateway on pier. Finished December 23, 1882.

## Engineer's Order.

Pier, new 43.—Placed a valve in water-pipe. Finished December 29, 1882.  
 Pier, new 43.—Overhauled and repaired leaks in Croton water-pipe. Finished January 4, 1883.  
 Pier, new 43.—Boxed Croton water-pipe on pier with second-hand 3-inch spruce plank. Finished February 15, 1883.

## Secretary's Order.

No. 2719. Approach to Piers, new 46 and 47.—Patched holes in deck with second-hand plank. Finished October 18, 1882.

No. 2719. Approach to Pier, new 46.—Patched holes in deck. Finished November 21, 1882.

No. 2719. Approach to Pier, new 46.—Patched holes in deck. Finished December 23, 1882.

No. 2719. Approach to Pier, new 46.—Patched deck and sheathing with 3-inch second-hand plank. Finished January 3, 1883.

## Engineer's Order.

Approach to Piers 46 and 47.—Took up and relaid planking for an examination. Finished April 19, 1883.

## Secretary's Order.

No. 2717. Platform east side of bulkhead between Piers, new 46 and 47.—Patched deck with second-hand plank. Finished October 11, 1882.

No. 2493. Pier, old 54.—Erected fence across pier. Finished July 5, 1882.

No. 2493. Pier, old 54.—Drove, chocked and fastened 11 new spruce fender piles, put down backing log, trimmed and braced mooring-posts, patched deck with new 4-inch and second-hand plank, laid 22,000 feet of new 3-inch N. C. yellow pine plank for sheathing. Finished July 25, 1882.

No. 2493. Pier, old 54.—Patched 1,794 square feet of sheathing with second-hand plank. Finished September 8, 1882.

No. 2852. Pier, old 54.—Patched deck and sheathing with 3-inch second-hand plank. Finished January 3, 1883.

No. 2987. Pier, old 54.—Cut out old backing log, replaced same with 50 feet of 10" x 10" second-hand timber, sheathing backing log with second-hand plank and put on 1 cleat. Finished April 4, 1883.

No. 2533. Bulkhead platform south side of Pier, old 54.—Blocked up deck and laid 1,642 feet, B. M., of new 4-inch N. C. yellow pine plank for deck. Finished July 14, 1882.

No. 2414. Bulkhead south side of Eleventh street.—Filled in and built up bulkhead, put on backing pieces of new and second-hand square timber, drove, chocked and fastened 19 fender piles, put on 17 half-round fenders, trimmed backing pieces and cut off heads of mooring-posts. Finished May 19, 1882.

Order 317. Bulkhead south side of Eleventh Street.—Removed house and platform from bulkhead erected by Ransom Parker. Finished June 29, 1882.

## Secretary's Order.

No. 2414. Pier and Approach foot of Eleventh Street.—Drove, chocked and fastened 14 new fender piles and 1 bearing pile, pulled and re-drove spring piles, put on square fenders, set one mooring post, put on cleats and corner bands, sheathed with new 3-inch N. C. yellow pine plank, put on backing logs, cross-caps and rangers with second-hand square timber. Finished June 5, 1882.

## Treasurer's Order.

No. 9824. Pier at West Eleventh Street.—Laid pavement at West Eleventh street to connect Thirteenth Avenue with the Pier. Finished May 20, 1882.

## Secretary's Order.

No. 2761. Pier at Bethune Street.—Closed gangway to public bath and laid 20 feet of backing log, sheathed deck with 245 feet, B. M., of new 3-inch N. C. yellow pine plank and 54 feet, B. M., of second-hand 3-inch plank. Finished November 2, 1882.

No. 2823. Pier at Bethune Street, south side.—Patched 83 square feet of deck with 4-inch plank, pulled 2 stumps, drove 1 bearing pile and pulled it under side-cap, drove two new oak fender piles, put on 2 new half-round fenders, fastened half-round fenders, chained fender piles, rounded heads of fenders and half-round fenders, and put on 1 chock. Finished December 11, 1882.

No. 2823. Pier at Bethune Street, north side.—Drove two bearing piles and hauled them under side-cap, drove two new oak fender piles, put on 2 new half-round fenders and refastened half-



round fenders, rounded heads of fenders and fender piles, put on 1 chock. Finished December 11, 1882.  
 No. 2414. Pier foot of Gansevoort Street.—Tore up old deck and put down new deck. Finished May 16, 1882.

*Engineer's Orders.*

Pier at foot of Bogart Street.—Pulled, redrove and fastened 1 fender pile. Finished June 19, 1882.  
 Pier at foot of Bogart Street.—Set and chocked 1 mooring post. Finished April 27, 1883.  
 Bulkhead at foot of Bogart Street.—Set and chocked 1 mooring post. Finished April 27, 1883.

*Secretary's Order.*

No. 2940. Pier at Little West Twelfth Street.—Laid 24 lineal feet of backing log with new 12" x 12" Georgia pine. Finished March 3, 1883.  
 No. 2365. Pier foot of Thirteenth Street.—Patched 421 square feet of deck with 4-inch and 1,027 square feet of sheathing with 3-inch second-hand plank. Finished September 28, 1882.  
 No. 2365. Pier foot of Thirteenth Street.—Drove and fastened 2 clusters of piles on outer corner of pier. Finished March 14, 1883.  
 No. 2365. Pier foot of Thirteenth Street.—Refastened clusters of piles. Finished March 29, 1883.  
 No. 2365. Pier foot of Thirteenth Street.—Drove cluster of 6 second-hand spruce piles on outer southerly corner of pier. Finished April 28, 1883.  
 No. 2644. Pier at foot of Sixteenth street.—Patched deck with 2,655 feet, B. M., of 5-inch Georgia pine plank, and laid sheathing with 2,216 feet, B. M., of new 3-inch North Carolina yellow pine plank, and relaid 688 square feet of old sheathing. Finished September 28, 1882.  
 No. 2918. Pier at Twenty-first street.—Removed 3 flag-stones and stored same at Gansevoort Street Yard. Finished March 1, 1883.  
 No. 2518. Platform north side of Twenty-third Street Ferry (Iron Steamboat Co.).—Drove 4 fender piles. Finished June 28, 1882.

*Resolutions of Board, March 28, 1883, and April 10, 1883.*

Boat landing at Twenty-fourth street, North river.—Made float-stage for navy launches. Finished April 30, 1883.

*Secretary's Order.*

No. 2821. Bulkhead between Twenty-third and Twenty-fourth streets.—Excavated and built up bulkhead; paved in rear of bulkhead. Finished December 23, 1882.

*Engineer's Orders.*

Timber Basin at Twenty-seventh street.—Cut off heads of old oak piles and made 86 half-round fenders; rafted pile butts. Finished December 27, 1882.  
 Timber Basin at Twenty-seventh street.—Loaded 81 half-round fenders on scow "Joe" and towed same to East Seventeenth Street Yard. Finished April 18, 1883.

*Secretary's Order.*

No. 2070. Pier at Twenty-eighth street.—Erected fence across inshore end of pier. Finished November 23, 1882.  
 No. 2070. Pier at Twenty-eighth street.—Patched holes in deck and sheathing with new 4-inch spruce plank and with second-hand plank and removed fence. Finished December 5, 1882.  
 No. 2027. Pier at Thirtieth street.—Patched deck and sheathing with new and second-hand plank. Finished May 6, 1882.  
 No. 2027. Pier at Thirtieth street.—Patched deck and sheathing with new and second-hand plank. Finished May 13, 1882.  
 No. 2027. Pier at Thirtieth street.—Patched deck and sheathing with new and second-hand plank. Finished June 3, 1882.  
 No. 2027. Pier at Thirtieth street.—Patched deck and sheathing with new and second-hand plank. Finished June 23, 1882.  
 No. 2027. Pier at Thirtieth street.—Patched deck and sheathing with new and second-hand plank. Finished July 10, 1882.  
 No. 2652. Pier at Thirtieth street.—Patched 4,325 square feet of deck with 4-inch second-hand plank, blocked up ranging timbers; reset and braced 1 mooring post. Finished August 28, 1882.  
 No. 2652. Pier at Thirtieth street.—Fenced off outer end of pier. Finished September 9, 1882.  
 No. 2027. Pier at Thirtieth street.—Patched deck with second-hand plank. Finished October 11, 1882.  
 No. 2027. Pier at Thirtieth street.—Patched deck with second-hand plank. Finished October 18, 1882.  
 No. 2027. Pier at Thirtieth street.—Patched deck with 285 feet, B. M., of 4-inch second-hand plank and sheathed with 457 feet of new 3-inch North Carolina yellow pine plank. Finished November 1, 1882.  
 No. 2027. Pier at Thirtieth Street.—Patched deck with second-hand plank. Finished December 6, 1882.  
 No. 2027. Pier at Thirtieth Street.—Patched deck with second-hand plank. Finished April 12, 1883.  
 No. 2392. Approach to Dump at Thirty-seventh Street.—Built an approach to dump. Finished May 8, 1882.  
 No. 2375. Pier at Forty-sixth Street.—Patched deck and sheathing with new and old plank. Finished May 15, 1882.  
 No. 2375. Pier at Forty-sixth Street.—Patched deck and sheathing with new and second-hand plank. Finished May 19, 1882.

*Engineer's Order.*

Pier at Forty-seventh Street.—Fastened spring piles and patched deck and sheathing with new and second-hand plank. Finished July 6, 1882.  
 Pier at Forty-seventh Street.—Patched deck with new 4-inch yellow pine plank. Finished July 22, 1882.

*Secretary's Order.*

No. 2698. Pier at Forty-seventh Street.—Patched deck and sheathing with second-hand plank and laid 831 feet, B. M., of new 3-inch North Carolina yellow pine plank sheathing and sheathed backing log with second-hand plank. Finished October 16, 1882.  
 No. 2761. Public Bath at Fifty-first Street.—Closed gangway to bath. Finished November 1, 1882.

*Engineer's Order to keep Pier and Approach in Repair for Three Months, ending July 31, 1882.*

Pier at Fifty-seventh Street.—Patched deck and sheathing with new 3-inch North Carolina yellow pine plank. Finished May 15, 1882.  
 Pier at Fifty-seventh Street.—Patched deck and sheathing with new and second-hand plank. Finished June 1, 1882.  
 Pier at Fifty-seventh Street.—Patched deck and sheathing with new and second-hand plank. Finished June 5, 1882.  
 Pier at Fifty-seventh Street.—Patched deck and sheathing with new 3-inch North Carolina yellow pine plank. Finished June 14, 1882.  
 Pier at Fifty-seventh Street.—Patched deck and sheathing with new and second-hand plank. Finished June 21, 1882.  
 Pier at Fifty-seventh Street.—Drove and fastened 3 bearing piles; patched deck and sheathing with new and second-hand plank; shored up deck and strengthened ranges with new 4-inch yellow pine plank. Finished July 24, 1882.  
 Pier at Fifty-seventh Street.—Put down 55 lineal feet of second-hand square timber for backing log; patched deck and sheathing with 699 feet, B. M., of new 3-inch and 314 feet, B. M., of new 4-inch North Carolina yellow pine plank. Finished August 3, 1882.  
 Pier at Fifty-seventh Street.—Patched deck with 1,958 feet, B. M., of new 3-inch and 448 feet, B. M., of new 4-inch North Carolina yellow pine plank. Finished August 16, 1882.  
 Pier at Fifty-seventh Street.—Patched 1,240 square feet of deck with second-hand plank. Finished August 31, 1882.  
 Pier at Fifty-seventh Street.—Patched 517 square feet of deck and 173 square feet of sheathing with second-hand plank, and put on 3 string-pieces. Finished October 9, 1882.  
 Pier at Fifty-seventh Street.—Patched deck and sheathing with 3,015 feet, B. M., of 3-inch second-hand plank, and 60 feet, B. M., of second-hand 4-inch plank; shimmied up 40 lineal feet of backing log and sheathed backing log with 80 feet, B. M., of second-hand 3-inch plank; put down 18 lineal feet of second-hand square timber 14" x 14" for backing log; put in 3 stringers of second-hand square timber 12" x 12"; put on chocks and refastened backing log. Finished November 1, 1882.

*Secretary's Order.*

No. 2773. Pier at Fifty-seventh Street.—Cleaned dirt off pier and removed same to bulkhead at Seventy-ninth street, North river, and patched holes in deck with second-hand plank. Finished November 17, 1882.  
 No. 2773. Pier at Fifty-seventh Street.—Patched dock and sheathing with 3,797 feet, B. M., of new 3-inch North Carolina yellow pine plank and 3,511 feet, B. M., of new 4-inch Georgia pine plank, and 1,145 feet, B. M., of second-hand 4-inch plank; sheathed backing log with 83 feet, B. M., of new 4-inch Georgia pine plank; put on 1 stringer 12 feet long of 4" x 10" Georgia pine; put down 85 lineal feet of backing log 12" x 12" second-hand timber, and shimmied up backing log with old timber. Finished November 22, 1882.

No. 2773. Pier at Fifty-seventh Street.—Cut out side-cap and put one in place of same 34 feet long 13" x 14" second-hand timber; chocked piles; put on 1 stay lath; made 4 half round fenders; put on 5 half round fenders; patched deck with 83 feet, B. M., of new 4-inch Georgia pine plank. Finished December 5, 1882.

No. 2773. Pier at Fifty-seventh Street.—Patched and sheathed deck with 165 feet, B. M., of new 3-inch yellow pine plank, and with 66 feet, B. M., of new 3-inch spruce plank. Finished March 19, 1883.

No. 2773. Pier at Fifty-seventh Street.—Patched deck with 168 feet, B. M., of 4-inch Georgia pine plank, and sheathed deck with 204 feet, B. M., of 3-inch spruce plank. Finished March 28, 1883.

No. 2773. Pier at Fifty-seventh Street.—Patched deck and sheathing with 1,305 feet, B. M., of new 3-inch spruce plank, and 582 feet, B. M., of new 4-inch Georgia pine plank, and 2,203 feet, B. M., of second-hand plank. Finished April 28, 1883.

*Engineer's Order.*

Approach to Pier at Fifty-seventh Street.—Patched deck with second-hand plank. Finished May 31, 1882.

Approach to Pier at Fifty-seventh Street.—Patched deck with new 3-inch yellow pine plank. Finished June 21, 1882.

Approach to Pier at Fifty-seventh Street.—Patched deck and sheathing with new 3-inch yellow pine plank and with second-hand plank. Finished July 24, 1882.

Approach to Pier at Fifty-seventh Street.—Blocked up ranging timbers and patched 580 square feet of deck with second-hand plank and 141 square feet with new 3-inch yellow pine plank. Finished August 30, 1882.

Approach to Pier at Fifty-seventh Street.—Put in 3 ranges of second-hand square timber; patched 138 square feet of deck with 4 inch and 248 square feet of sheathing with 3-inch second-hand plank, and built a fence around hole in roadway. Finished October 7, 1882.

Approach to Pier at Fifty-seventh Street.—Patched deck and sheathing with 690 feet, B. M., 3-inch second-hand plank. Finished October 27, 1882.

Approach to Pier at Fifty-seventh Street.—Patched deck and sheathing with 1,641 feet, B. M., of 3-inch second-hand plank; put in 1 stringer 13 feet long, 13 inches by 12 inches second-hand timber. Finished November 1, 1882.

*Secretary's Order.*

No. 2784. Approach to Pier at Fifty-seventh Street.—Fenced off approach. Finished November 10, 1882.

*Engineer's Order.*

Timber Basin at Fifty-seventh Street.—Regulated and sorted timber. Finished May 4, 1882.

Timber Basin at Fifty-seventh Street.—Regulated timber. Finished June 2, 1882.

Timber Basin at Fifty-seventh Street.—Overhauling timber; repaired boom logs; drove second-hand piles and enlarged basin. Finished July 20, 1882.

Timber Basin at Fifty-seventh Street.—Putting raft of plank and timber inside of boom logs. Finished August 10, 1882.

Timber Basin at Fifty-seventh Street.—Secured raft of timber and plank in basin. Finished September 1, 1882.

Timber Basin at Fifty-seventh Street.—Secured raft of timber inside of basin and refastened boom logs. Finished September 16, 1882.

Timber Basin at Fifty-seventh Street.—Refastened boom logs. Finished November 18, 1882.

Timber Basin at Fifty-seventh Street.—Rafted pile butts and made 95 half-round fenders from old oak piles. Finished January 15, 1883.

Timber Basin at Fifty-seventh Street.—Drove 3 piles for mooring and fastening boom logs. Finished March 13, 1883.

Timber Basin at Fifty-seventh Street.—Collected, counted and bunched new spruce piles, assorted and rafted yellow pine timber and measured plank for inventory and schedule. Finished March 13, 1883.

*Secretary's Order.*

No. 2467. Pier at Seventy-ninth Street.—Patched deck and sheathing with new and old plank. Finished June 19, 1882.

No. 2487.—Pier at Seventy-ninth Street.—Patched deck with second-hand plank, and repaired backing log. Finished August 7, 1882.

No. 2467.—Pier at Seventy-ninth Street.—Patched deck with second-hand plank. Finished September 8, 1882.

No. 2467.—Pier at Seventy-ninth Street.—Patched deck with second-hand plank. Finished September 25, 1882.

No. 2467.—Pier at Seventy-ninth Street.—Patched deck with second-hand plank, and laid 713 feet, B. M., of new 3-inch North Carolina yellow pine plank. Finished October 19, 1882.

No. 2467.—Pier at Seventy-ninth Street.—Removed and relaid old backing log and patched holes in deck. Finished November 22, 1882.

No. 2467. Pier at Seventy-ninth Street.—Removed earth from deck and cleaned pier. Finished December 5, 1882.

No. 2843. Pier at Seventy-ninth Street.—Patched deck and sheathing with new 4-inch yellow pine plank and with second-hand plank; set 1 mooring post and fastened fender piles. Finished January 2, 1883.

*Engineer's Order.*

Bulkhead at Seventy-ninth Street.—Placed a shanty on bulkhead and discharged scow-load of earth taken from Pier at Fifty-seventh street, North River. Finished November 11, 1882.

Bulkhead at Seventy-ninth Street, North River.—Filled in bulkhead with earth, ashes, stone and stone chips. Finished April 21, 1883.

Pier at Ninety-sixth Street.—Bored scupper holes through sides of pier. Finished February 20, 1883.

*EAST RIVER.**Secretary's Order.*

No. 2676. Piers Nos. 2 to 17.—Removed encumbrances from piers and bulkheads. Finished September 19, 1882.

No. 2655. Bulkhead between Piers 3 and 4.—Removed 2 oyster-stands and 1 tally-house. Finished September 7, 1882.

No. 2556. Pier 4.—Erected fence across inshore end of pier. Finished July 28, 1882.

Nos. 2489 and 2528. Pier 6.—Drove, chocked and fastened 27 fender piles; reset mooring posts; laid 15,028 feet, B. M., of 3-inch North Carolina yellow pine plank sheathing, and 1,325 feet of 4-inch yellow pine plank for deck, and blocked up pier. Finished July 6, 1882.

No. 2655. Approach to Pier 6.—Removed 1 tally-house and one oyster-stand. Finished September 7, 1882.

*Engineer's Order.*

Pier 15.—Removed fenders from pier to East Seventeenth Street Yard. Finished September 16, 1882.

*Secretary's Order.*

No. 2775. Pier 15.—Paved entrance to pier. Finished December 2, 1882.

No. 2900. Pier 18.—Fastened spring piles with chain. Finished February 2, 1883.

No. 2900. Pier 18.—Drove, chocked and fastened 4 fender piles and put on 5 new Georgia pine square fenders; chocked and fastened fender piles, fitted and fastened corner bands. Finished February 21, 1883.

No. 2520. Pier 19.—Patched deck with second-hand plank and 96 feet, B. M., of 4-inch yellow pine plank; laid 6,702 feet of 3-inch and 2,187 feet of 4-inch yellow pine plank for sheathing. Finished July 27, 1882.

No. 2520. Pier 19.—Patched deck with second-hand plank. Finished August 24, 1882.

No. 2815. Pier 19.—Set 2 mooring posts, patched deck with 240 feet, B. M., of new 4-inch Georgia pine plank; relaid old deck and sheathing plank; fastened, staved with second-hand plank and trimmed mooring post; made and put on new chocks. Finished December 12, 1882.

No. 2415. Bulkhead between Piers 20 and 21.—Excavated and filled in bulkhead. Finished May 13, 1882.

No. 2415. Platform between Piers 20 and 21.—Filled in, leveled bulkhead and relaid old sheathing. Finished July 6, 1882.

No. 2903. Bulkhead between Piers 20 and 21.—Removed platform, cut hole in the bulkhead and inserted a 6-inch box drain. Finished February 13, 1883.

*Engineer's Order.*

Pier 21.—Tore down shanty and tore up platform; drove 1 old and 3 new bearing piles; pulled piles under platform; put in new side caps and rangers; put on backing-log; laid 1,050 feet, B. M., of new 5-inch yellow pine plank for deck; repaired shanty with old plank; filled in in front of Pier. Finished July 18, 1882.

*Secretary's Order.*

No. 2952. Pier 21.—Removed a fruit-stand from Pier and deposited same at East Seventeenth street Yard. Finished March 14, 1883.



No. 2415. Pier 22.—Put on new square fenders with 5-inch yellow pine plank; patched old fenders; recharged spring piles and fender piles; put on 2 new half-round fenders; drove, chocked and fastened three new spring piles. Finished June 24, 1882.

No. 2415. Pier 23.—Put on new square fenders and patched old ones; put on 5 new half-round fenders; chocked up crib; put on 3 corner bands; drove, chocked and fastened 7 bearing piles and 8 fender piles; tore up sheathing and deck and relaid same; put in side caps with new and old square timber; hauled piles under caps; put down 30 lineal feet of new backing-log. Finished July 19, 1882.

No. 2415. Pier 23.—Put on chocks and raised backing-log with 3-inch yellow pine plank. Finished September 12, 1882.

No. 2581. Pier 24.—Erected fence across outer end of Pier. Finished August 5, 1882.

No. 2052. Pier 27.—Removed a tally-house from Pier and deposited same at East Seventeenth Street Yard. Finished March 1, 1883.

No. 2679. Pier 37.—Removed 3 derricks from Pier. Finished September 21, 1882.

No. 2702. Pier 37.—Paved in front of approach to dumping-board. Finished October 10, 1882.

No. 2750. Pier 37.—Removed a hoisting-derrick from Pier and deposited same at East Seventeenth Street Yard. Finished October 17, 1882.

No. 2416. Pier 40.—Pulled bearing piles in position; refastened old fender piles; put on 14 half-round fenders; drove 1 bearing pile and 3 fender piles; laid deck plank on approach to Pier; put down rangers and blocked up deck. Finished July 10, 1882.

No. 2502. Pier 48.—Repaired 7 feet in length of bulkhead, south of south line of Pier 48, East river. Finished June 23, 1882.

#### Engineer's Order.

Pier 51.—Reset 1 mooring-post; patched 8 square feet of deck with new 3-inch yellow pine plank. Finished June 6, 1882.

#### Secretary's Order.

No. 2636. Pier 51.—Planked gangway with 237 feet, B. M., of new 3-inch yellow pine plank. Finished September 4, 1882.

No. 2761. Pier 51.—Closed gangway to public bath, and sheathed deck with 229 feet, B. M., of second-hand 3-inch plank. Finished November 4, 1882.

No. 2785. Pier 51.—Drove 1 bearing pile; drove, chocked and fastened 13 fender piles; reset 1 mooring post; blocked up under the deck; put down backing log and laid deck and sheathing with new 3-inch and 4-inch spruce and Georgia pine plank; put on 14 half-round fenders and 2 corner bands; sheathed old backing log with new 4-inch Georgia pine plank; fastened 1 loose pile and repaired bulkhead. Finished December 7, 1882.

No. 2899. Pier 51.—Cut old mooring posts and set and chocked 2 new mooring posts. Finished February 27, 1883.

#### Engineer's Order.

No. 837. Pier 51.—Sheathed pier with 5,040 feet, B. M., of new 3-inch spruce plank, and 640 feet, B. M., of new 4-inch spruce plank. Finished April 30, 1883.

#### Engineer's Order.

Pier 51½.—Patched deck and sheathing with second-hand plank. Finished November 27, 1882.

#### Secretary's Order.

No. 2785. Bulkhead between Piers 51 and 52.—Cut out old timber and repaired bulkhead with second-hand timber; laid 104 lineal feet of backing log; reset 1 mooring-post; put on 15 new and 4 second-hand half-round fenders and repaired mouth of sewer. Finished December 30, 1882.

No. 2536. Pier 52.—Erected fence across pier. Finished July 18, 1882.

No. 2748. Pier 53.—Patched holes in deck. Finished October 14, 1882.

No. 2870. Pier 53.—Removed 2 coal hoppers from pier and deposited same at East Seventeenth street yard. Finished January 17, 1883.

#### Engineer's Order.

Pier 54.—Patched deck with second-hand plank; reset and braced mooring post. Finished October 13, 1882.

#### Secretary's Order.

No. 2729. Pier 54.—Patched deck with 268 feet of second-hand 4-inch plank; laid 30 lineal feet of second-hand square timber for backing log, and relaid 42 lineal feet of old backing log. Finished October 20, 1882.

No. 2870. Pier 54.—Removed 2 coal hoppers from pier and deposited same at East Seventeenth street yard. Finished January 17, 1883.

No. 2823. Bulkhead between Pier 54 and Corlears street.—Laid 28 lineal feet of backing log with new 12" x 12" Georgia pine timber; put on 55 new half-round fenders; refastened old fenders and fender piles; removed earth from bulkhead, loaded it on scow "Joe," and discharged it at One Hundred and Ninth street, Harlem river. Finished December 28, 1882.

No. 2417. Bulkhead at Corlears street.—Built up bulkhead and laid pavement. Finished June 16, 1882.

No. 2783. Bulkhead at Corlears street.—Fastened 2 fender piles and put on 16 chocks. Finished November 8, 1882.

#### Engineer's Order.

Bulkhead at East and Water streets.—Drove and pulled 2 test-piles. Finished May 27, 1882.

No. 2878. Bulkhead foot of Cherry street.—Excavated in rear of bulkhead; cut out old timber; laid flooring; filled in with stone; put on 5 half-round fenders; chocked and fastened fender piles. Finished February 13, 1883.

No. 2417. Pier 55, south half and bulkhead adjoining.—Excavated and filled in bulkhead; put on new square fenders of 5-inch yellow pine plank; patched deck with 852 feet, B. M., of new 3-inch yellow pine plank, put in new braces with new square timber; patched sheathing with new 3-inch yellow pine plank; drove, chocked and fastened 5 new spring piles; repaired mooring post, and blocked up deck. Finished June 16, 1882.

No. 2417. Pier 56, north half.—Drove, chocked and fastened 4 fender-piles; repaired square fenders, patched deck and sheathing with new 3 and 4 inch yellow pine plank. Finished June 19, 1882.

No. 2607. Pier 56, north half.—Patched deck with 2,212 feet, B. M., of new 4-inch Georgia pine plank. Finished September 4, 1882.

No. 2607. Pier 56, north half.—Patched deck with 105 feet, B. M., of new 3-inch yellow pine plank and shimmed up under the ends of plank, under the deck, with new 5-inch Georgia pine plank 1,150 feet, B. M. Finished October 10, 1882.

No. 2607. Pier 56, north half.—Patched deck with 112 feet, B. M., of second-hand 3-inch plank. Finished December 18, 1882.

No. 2417. Pier 57, south half and bulkhead.—Pulled old bearing piles in position, and fastened same; put on 7 new half-round fenders; blocked up and braced bearing piles; set 1 new mooring post; put on new square fenders and repaired old ones with 5-inch Georgia pine plank; repaired backing log and put down 110 lineal feet of new backing log. Finished June 28, 1882.

No. 2607. Pier 57, south half.—Raised backing log with 882 feet, B. M., of new 4-inch Georgia pine plank. Finished September 5, 1882.

No. 2459. Pier at Third street.—Patched deck with new 4-inch yellow pine plank. Finished June 8, 1882.

#### Engineer's Order.

Pier at Third street.—Repaired backing log. Finished June 17, 1882.

#### Secretary's Order.

No. 2583. Pier at Third street.—Pulled piles under side cap; put in side cap of second-hand timber; put on 3 new and 2 old half-round fenders; patched deck with second-hand plank. Finished August 11, 1882.

#### Engineer's Order.

Pier at Fifth street.—Patched holes in deck. Finished June 17, 1882.

#### Secretary's Order.

No. 2507. Pier at Fifth street.—Built fence across end of pier. Finished June 26, 1882.

No. 2507. Pier at Fifth street.—Repaired cleat and backing log; chocked around mooring-post; patched deck with second-hand plank and with 1,215 feet, B. M., of new 4-inch yellow pine plank; patched sheathing with second-hand plank and with 1,380 feet, B. M., of new 3-inch yellow pine plank. Finished July 5, 1882.

No. 2507. Pier at Fifth street.—Patched holes in deck with second-hand plank; put on 1 cleat. Finished August 25, 1882.

No. 2507. Pier at Fifth street.—Drove 1 mooring pile; shimmed up deck; relaid old backing log, and patched deck with new 3-inch yellow pine plank. Finished October 7, 1882.

No. 2761. Pier at Fifth Street.—Closed gangway to public bath and patched holes in deck. Finished November 11, 1882.

No. 2958. Bulkhead foot of Fourteenth Street.—Set, chocked and braced 1 mooring post. Finished March 22, 1883.

No. 2498. Bulkhead at Sixteenth Street.—Dug out and reset 1 mooring post. Finished June 22, 1882.

#### Repairs to Bulkhead, General Care of East Seventeenth Street Yard.

Bulkhead at Seventeenth Street Yard.—Hauled piles away from bulkhead, out of way of contractor. Finished November 20, 1882.

#### Engineer's Order.

Department Yard, Seventeenth Street.—Cleared up yard and removed new oak piles out on bulkhead. Finished April 17, 1883.

#### Secretary's Order.

No. 2460. Bulkhead between Seventeenth and Eighteenth Streets.—Fastened fender piles and trimmed backing log. Finished May 29, 1882.

No. 2761. Pier at Nineteenth Street.—Removed gangway platform in front of public bath. Finished October 10, 1882.

No. 2418. Bulkhead at Twentieth Street.—Ripped up old timber and built up bulkhead; drove, chocked and fastened 7 new and 7 old fender piles; put on 8 half-round fenders and set 2 mooring posts. Finished May 29, 1882.

No. 2508. Pier at Twenty-fifth Street.—Patched deck and sheathing with new and second-hand plank. Finished July 5, 1882.

#### Engineer's Order.

Pier at Twenty-fifth Street.—Patched deck with second-hand plank. Finished October 6, 1882.

Pier at Twenty-fifth Street.—Patched deck with second-hand plank. Finished October 25, 1882.

Pier at Twenty-sixth Street.—Patched deck with new 3-inch yellow pine plank; refastened backing log and spring piles. Finished June 28, 1882.

#### Secretary's Order.

No. 2579. Pier at Twenty-sixth Street.—Patched deck and sheathing with second-hand plank, and fastened butts of old plank. Finished August 7, 1882.

No. 2784. Pier at Twenty-sixth Street.—Patched deck and gangway with 4,698 feet, B. M., of new 4-inch Georgia pine plank, and with second-hand 3 and 4 inch plank; patched sheathing with 2,472 square feet of second-hand 3-inch plank; blocked up ranging timbers; sheathed backing log with second-hand 5-inch plank; laid 23 lineal feet of new square timber 12" x 12", and 189 lineal feet of second-hand square timber for backing log; drove, chocked and fastened with chain 4 second-hand oak piles; chocked and fastened old spring piles; made and put on 3 new cleats. Finished November 21, 1882.

#### Engineer's Order.

Bulkhead at Twenty-sixth Street.—Laid 236 feet of second-hand square timber for backing logs; repaired 2 old cleats; graded bulkhead; fastened spring piles and trimmed up. Finished November 22, 1882.

#### Secretary's Order.

No. 2658. Pier at Twenty-eighth Street.—Patched 1,853 square feet of deck and sheathing with second-hand plank; put on 13 half-round fenders; set and chocked three mooring posts; patched and refastened close fenders and built a fence across bulkhead south side of pier. Finished September 20, 1882.

No. 2884. Pier at Thirty-second Street.—Refastened spring piles with chain. Finished February 1, 1883.

No. 2636. Pier at Thirty-seventh Street.—Patched gangway with 171 feet, B. M., of new 3-inch yellow pine plank. Finished September 4, 1882.

No. 2761. Pier at Thirty-seventh Street.—Closed gangway to public bath. Finished November 4, 1882.

No. 2418. Bulkhead at Forty-eighth Street.—Filled in bulkhead with stone, put on caps, made braces, laid floors, drove and fastened 6 fender piles and put in one mooring-post. Finished June 13, 1882.

No. 2736. Bulkhead at Forty-eighth Street.—Cut holes in bulkhead for sewer. Finished November 4, 1882.

No. 2418. Bulkhead and Stone Dump at Forty-ninth Street.—Drove 1 bearing and 1 spring pile and set 2 mooring-posts. Finished June 14, 1882.

No. 2419. Pier at Fifty-third Street.—Put in one new mooring-pile; bolted mooring-post; put on square fenders; patched deck with new 4-inch yellow pine plank, and planked triangular platform. Finished May 30, 1882.

No. 2419. Approach to Pier at Fifty-fourth Street.—Ripped up old plank; put down new stringers, laid 7,200 feet, B. M., of new 3-inch yellow pine plank and cleaned pier. Finished May 20, 1882.

#### By Order President Laimbeer.

Bulkhead Platform at Sixty-first Street.—Patched deck with 258 feet, B. M., of second-hand 3-inch plank; refastened fender piles and put on chocks. Finished November 10, 1882.

#### Secretary's Order.

No. 2802. Bulkhead Platform between Sixty-first and Sixty-second Streets. Pulled 6 piles; drove, chocked and fastened 11 fender piles; patched deck with 326 feet, B. M., of new 4-inch Georgia pine plank. Finished November 25, 1882.

No. 2801. Pier at foot of Sixty-second Street.—Drove, chocked and fastened 2 fender piles; put down 6 feet of second-hand square timber 12" x 12" for backing piece; chained fender piles. Finished November 27, 1882.

No. 2461. Dump Board at Seventieth Street.—Cleaned dump, straightened pile; put down backing pieces and shored piles. Finished May 29, 1882.

No. 2788. Bulkhead at Seventy-fifth Street.—Drove 2 test piles. Finished August 26, 1882.

#### Contract.

No. 176. Pier at Seventy-eighth Street.—Examination of river bottom by diver. Finished March 19, 1883.

#### Secretary's Order.

No. 2539. Bulkhead between Seventy-eighth and Seventy-ninth Streets.—Drove and pulled 4 test piles. Finished August 26, 1882.

No. 2960. Bulkhead at Seventy-ninth Street.—Removed sunken canal-boat and deposited same on flats at foot of One Hundred and Seventh street, Harlem river. Finished March 21, 1883.

No. 2397. Pier at Eighty-sixth Street.—Drove, chocked and fastened 3 new and 8 old fender piles; excavated, filled in and built up bulkhead; set mooring-post and put down backing pieces. Finished May 11, 1882.

No. 2613. Pier at Eighty-sixth Street.—Drove and pulled test piles. Finished April 7, 1883.

No. 2613. Pier at Eighty-sixth Street.—Drove and pulled 3 test piles. Finished April 14, 1883.

No. 2613. Pier at Eighty-sixth Street.—Took up deck plank to admit of an examination of pier and relaid same. Finished April 27, 1883.

No. 2546. Foot of Eighty-ninth Street.—Removed wreck of sunken canal-boat and deposited same on flats between One Hundred and Seventh and One Hundred and Eighth streets, Harlem river. Finished July 24, 1882.

No. 2796. Foot of Ninety-ninth Street.—Drove and pulled 6 test piles. Finished February 5, 1883.

No. 2471. Pier at One Hundred and Fourth Street, Harlem River.—Drove, chocked and fastened 3 bearing and 6 fender piles and 1 mooring pile; put down 39 lineal feet of square timber for backing log. Finished June 16, 1882.

No. 2812. Platform at One Hundred and Fourth Street.—Ripped up platform; pulled 39 piles; built a fence; rafted timber and piles, and towed same to timber basin at Fifty-seventh street, North river. Finished December 2, 1882.

No. 2796. Foot of One Hundred and Fourth street.—Drove and pulled 5 test piles. Finished February 6, 1883.

No. 2937. Pier at One Hundred and Sixth Street.—Drove, chocked and fastened 18 second-hand spruce fender piles and 4 second-hand spruce bearing piles; blocked up under dock; set and braced 3 mooring piles; put down 50 lineal feet of second-hand square timber for backing log; cleaned pier; laid 4,104 feet, B. M., of 3-inch spruce plank, and 884 feet, B. M., of 3-inch second-hand plank for sheathing. Finished March 19, 1883.

No. 2716. Pier at One Hundred and Ninth Street.—Blocked up approach to pier with second-hand square timber and with stone; raised backing log with 684 feet, B. M., of new 3-inch yellow pine plank; patched deck and sheathing with second-hand plank and filled in with earth in front of pier. Finished October 18, 1882.

No. 2775. Approach to Pier at One Hundred and Ninth Street.—Graded approach. Finished December 21, 1882.

No. 2761. Pier at One Hundred and Twelfth Street.—Closed gangway to public bath. Finished November 4, 1882.

No. 2744. Pier at One Hundred and Seventeenth Street.—Towed gang-plank from One Hundred and Sixteenth street to One Hundred and Seventeenth street with a small boat and placed same on deck of pier. Finished October 13, 1882.



No. 2420. Platform at One Hundred and Twentieth street.—Blocked up stringers; put in one mooring pile; put on 43 feet of 12" x 12" new square timber for backing log and patched deck with 1,537 feet, B. M., of new 3-inch yellow pine plank. Finished June 13, 1882.

No. 2497. Pier at One Hundred and Twenty-fifth Street.—Patched deck with 432 feet of new 3-inch yellow pine plank. Finished June 14, 1882.

No. 2609. Pier at One Hundred and Twenty-fifth Street.—Patched 984 square feet of deck with second-hand plank; shored up ranging timbers and repaired backing log. Finished September 5, 1882.

No. 2895. Pier at One Hundred and Twenty-fifth Street.—Patched deck with 5-inch second-hand plank. Finished February 3, 1883.

No. 2683. Store House Dock, Blackwell's Island.—Shored up deck, put on 7 half-round fenders; patched close fenders; set 3 mooring piles; reset and choked spring piles; patched deck with second-hand plank; laid 2,058 feet, B. M., of new 3-inch yellow pine plank for sheathing, and put down 120 lineal feet of second-hand square timber for backing log; drove 1 spring and 2 fender piles; straightened side cap and put on and fastened chocks. Finished October 6, 1882.

No. 2733. Store House Dock, Blackwell's Island.—Drove and pulled 5 test piles. Finished February 6, 1883.

No. 2652. Coal Dock at Ward's Island.—Ripped up old deck and backing log; shimmed up rangers, and laid 1,224 square feet of Georgia pine 4-inch plank for deck and 232 feet, B. M., of 5-inch Georgia pine plank for deck; set and braced 2 mooring posts and put down 123 lineal feet of backing log. Finished September 26, 1882.

No. 2877. Passenger Dock, Randall's Island.—Drove, choked and fastened 13 fender piles and 10 spring piles; put on 8 half-round fenders; ripped up old backing log, laid 204 lineal feet of second-hand timber for backing log; put on 3 cleats, patched deck, sheathing and gangway with 1,058 feet, B. M., of new 3-inch spruce plank; made and put on chocks. Finished February 28, 1883.

No. 2887. Coal Dock, Randall's Island.—Drove, choked and fastened 4 fender piles; braced and fastened fender piles on outer end of dock; braced and flanked inshore end underneath pier; filled in with earth; cleaned pier; laid 15,388 feet, B. M., of 3-inch spruce plank for deck and sheathing. Finished February 28, 1883.

#### Statement of Dredging done during the Year ending April 30, 1883.

LOCATION.	MONTH.	CUBIC YARDS MUD.	CUBIC YARDS CRIB.	MISCELLANEOUS.	BY WHOM PERFORMED.
Half slip north of Pier, new 27, N. R.	October...	445	1,989		Union Dredging Co.
	November...	...	3,200		
	January...	...	3,063		
	July...	586	...		
	August...	7,832	...		
Pier, new 28, N. R.	September...	904	9,312		Union Dredging Co.
	October...	375	1,237		
	November...	4,514	...		
	March...	5,049	...		
	April...	...	1,226		
Bulkhead wall, Lighthouse section, N. R.	September...	3,323	966		Union Dredging Co.
	October...	3,414	1,000		
	November...	...	1,298		
Pier, old 42, N. R., dump.	May...	1,588	...		Union Dredging Co.
Pier, new 37, N. R.	May...	1,581	2,231		Union Dredging Co.
Slip between Piers, new 37 and 38.	September...	...	...	Wreck, cargo, etc.	Chas. M. Pratt.
Bulkhead south side of West 11th street, N. R.	May...	391	...		Union Dredging Co.
West 11th street dump, N. R.	July...	3,862	...		P. Sanford Ross.
Gansevoort street Pier, N. R.	August...	442	...		Union Dredging Co.
	June...	2,968	...		
Bulkhead wall, West 23d street, section, north end, N. R.	July...	100,218	...		Union Dredging Co.
	August...	10,405	...		
	October...	4,846	...		
	November...	14,601	...		
Pier, new 55, N. R.	May...	2,714	...		Union Dredging Co.
Pier, new 56, N. R.	May...	19,456	...		Union Dredging Co.
Pier, new 57, N. R.	August...	33,564	...		Union Dredging Co.
Site of old Pier foot W. 30th street, N. R.	February...	5,220	...		Union Dredging Co.
	March...	1,447	1,943		
West 37th street dump, N. R.	July...	9,169	...		P. Sanford Ross.
West 44th street (new) Pier, N. R.	December...	20,934	...		Union Dredging Co.
West 46th street (new) Pier, N. R.	June...	9,434	...		John Gillies.
West 4th street dump, N. R.	July...	3,680	...		
West 51st street Pier, N. R.	November...	3,200	...		Union Dredging Co.
	December...	3,224	...		Union Dredging Co.
	January...	28,425	...		
	February...	28,459	...		
	March...	29,398	...		Union Dredging Co.
	April...	8,916	...		
Bulkhead between West 78th and West 79th streets, N. R.	July...	15,159	...		John Kelly.
Easterly half of slip between Pier 18 and Pier 19, E. R.	May...	9,654	...		Chas. M. Pratt.
Bulkhead between Piers 20 and 21, E. R.	August...	549	...		Union Dredging Co.
Pier 21, E. R., westerly side.	September...	100	...		Union Dredging Co.
Outer half slip between Pier 22 and Pier 23.	August...	1,156	...		Union Dredging Co.
Pier 37, E. R., dump.	September...	1,168	...		Union Dredging Co.
Bulkhead between Piers 51 and 52, E. R.	May...	586	...		Union Dredging Co.
	August...	197	...		Union Dredging Co.
Pier 53, E. R., easterly side.	May...	582	...		Union Dredging Co.
Pier 54, E. R., dump.	May...	1,028	...		Union Dredging Co.
Pier 55, E. R., southerly side.	May...	193	...		Union Dredging Co.
Pier 61, E. R., dump.	November...	3,190	...		Union Dredging Co.
	December...	404	...		
Bulkhead East 14th street, E. R.	March...	2,792	...		Union Dredging Co.
East 17th street dump, E. R.	April...	374	...		
Bulkhead East 20th street, E. R.	December...	3,439	...		Union Dredging Co.
East 22d street dump, E. R.	May...	582	...		Union Dredging Co.
East 23d street Pier, E. R., northerly side.	November...	2,045	...		Union Dredging Co.
East 24th street Pier, E. R., northerly side.	December...	5,058	...		
East 25th street Pier, E. R.	May...	2,699	...		Union Dredging Co.
East 35th street Bulkhead, E. R.	November...	29,490	...		Union Dredging Co.
East 42d street Bulkhead, E. R.	December...	13,714	...		Union Dredging Co.
East 44th street Pier, E. R.	October...	9,390	...		Union Dredging Co.
Bulkheads and platforms from E. 61st to East 63d street, E. R.	May...	152	...		Union Dredging Co.
Bulkhead between E. 78th and East 79th streets, E. R.	May...	138	...		Union Dredging Co.
New bulkhead and platform, 104th street, H. R.	May...	1,014	...		Union Dredging Co.
Outer end coal Pier, Randall's Island.	March...	672	...		Union Dredging Co.
	January...	217	...		John Gillies.
	December...	1,041	...	Cu. yds stone, 550	Union Dredging Co.
	March...	359	...	550 stone.	Union Dredging Co.
Total		485,374	27,495		

#### Report of Stock on Hand, Purchased, Fabricated and Issued from Gansevoort Street Yard During the Year Ending April 30, 1883.

To amount of stock on hand on May 1, 1882..... \$9,279 51<sup>1</sup>/<sub>2</sub>  
 Purchased from May 1, 1882, to May 1, 1883..... 25,203 90<sup>1</sup>/<sub>2</sub>  
 Fabricated (39 blocks) from May 1, 1882, to May 1, 1883..... 13,236 69<sup>1</sup>/<sub>2</sub>

Total amount to be accounted for..... \$47,720 11<sup>1</sup>/<sub>2</sub>

#### Issued to the following sections:

To Floating Property..... \$970 81<sup>1</sup>/<sub>2</sub>  
 To West Twenty-third Street Section..... 22,390 40<sup>1</sup>/<sub>2</sub>  
 To Canal Street Section..... 5 00  
 To Clarkson Street Section..... 26  
 To Christopher Street Section..... 7 45<sup>1</sup>/<sub>2</sub>  
 To New King Street Section..... 18 71<sup>1</sup>/<sub>2</sub>  
 To Morton Street Section..... 3 00  
 To Leroy Street Section..... 26 73<sup>1</sup>/<sub>2</sub>  
 To Spring Street Section..... 3 22<sup>1</sup>/<sub>2</sub>  
 To Charlton Street Section..... 1 78  
 To Chambers Street Section..... 98 44<sup>1</sup>/<sub>2</sub>  
 To Light Street Section..... 2,403 95<sup>1</sup>/<sub>2</sub>  
 To Beach Street Section..... 21 50  
 To General Repairs..... 1,350 85<sup>1</sup>/<sub>2</sub>  
 To East Seventeenth Street Yard..... 75 74<sup>1</sup>/<sub>2</sub>

To Surveying Party..... \$12 27<sup>1</sup>/<sub>2</sub>  
 To Office of Engineer-in-Chief..... 5 20<sup>1</sup>/<sub>2</sub>  
 To Gansevoort Street Yard..... 9,382 36<sup>1</sup>/<sub>2</sub>  
 Balance on hand May 1, 1883..... \$36,837 34<sup>1</sup>/<sub>2</sub>  
 10,882 37<sup>1</sup>/<sub>2</sub>  
 \$47,720 11<sup>1</sup>/<sub>2</sub>

#### Statement of Granite (Cut and Rough) on Hand.

KIND.	ON HAND MAY 1, 1882.	RECEIVED, CUBIC FEET.	TRANSFERRED, CUBIC FEET.	ON HAND MAY 1, 1883.	PRICE.	AMOUNT.
Headers and stretchers (old lot), "cut" (Contract 23)	234.70	.....	91.62	142.48	\$0 30	\$42 74
Headers and stretchers, "rough" (Contract 55)	60.00	.....	.....	60.00	39	23 40
Headers and stretchers (Tilson's), "cut" (Contract 88)	62.56	.....	.....	62.56	62	38 79
Headers and stretchers (Hogan's), "cut" (Contract 98)	4,315.06	.....	.....	4,315.06	63	2,718 48
Headers and stretchers (Hogan's), "cut" (Contract 98)	32.77	.....	.....	32.77	50	16 38
Headers and stretchers (Hall's), "cut" (Contract 104)	96.77	.....	.....	96.77	64	61 93
Headers and stretchers (Hall's), "cut" (Contract 104)	45.30	.....	.....	45.30	60	27 18
Headers and stretchers (Hall's), "cut" (Contract 104)	52.60	.....	.....	52.60	55	28 93
Headers and stretchers (Cape Ann Granite Co.), "cut" (Contract 125)	22,234.32	3,770.37	13,632.38	9,372.31	80 <sup>1</sup> / <sub>2</sub>	2,243 08
Headers and stretchers (Tilson's), new lot (Treasurer's Order 863)	4,585.74	.....	.....	4,585.74	85	3,897 88
Voussoirs (Contract 51)	845.87	.....	.....	845.87	30	253 76
Spandrel and end stones (Contract 51)	457.75	.....	.....	457.75	30	137 32
Corner, end and key stones (Contract 51)	442.00	.....	.....	442.00	30	132 60
Headers and stretchers, "fine cut" (Contract 54)	149.95	.....	.....	149.95	30	44 99
Headers and stretchers, "rough" (Contract 54)	253.90	.....	.....	253.90	30	76 17
Coping Hall's, Contract 104	594.90	.....	.....	594.90	60	410 48
Coping Hall's, Contract 104	81.60	.....	.....	81.60	60	48 96
Coping (Darragh's), Contract 112	501.60	.....	.....	501.60	60	316 00
Coping, Cape Ann Granite Co., (Contract 125)	7,590.28	5,370.62	.....	2,219.66	89 <sup>1</sup> / <sub>2</sub>	11,632 41
Miscellaneous stores	.....	.....	.....	\$7,321 89	.....	\$29,792 90
Total	.....	.....	.....	.....	.....	7,321 89
	.....	.....	.....	.....	.....	\$37,114 79

#### STATEMENT OF WORK DONE BY PRIVATE PARTIES UNDER SUPERVISION OF THE ENGINEER-IN-CHIEF, BY ORDER OR UNDER PERMIT OF THE BOARD OF DOCKS.

##### NORTH RIVER.

##### Secretary's Order.

No. 2890. Pier, new 1.—Repairing of water pipe by the Iron Steamboat Company, under permit of the Board. Commenced January 31, 1883. Work still in progress.

No. 2951. Pier, new 1.—Taking up and replacing about 3<sup>1</sup>/<sub>2</sub> feet by 10 feet of the asphalt walk immediately north of the coping stone; excavating about 3 feet deep to repair leak in gas-pipe, filling earth back in layers properly rammed, and replacing asphalt with new material by the New York Gas-light Company, under permit of the Board. Commenced March 12, 1883, and still in progress.

No. 2935. Pier, old 1.—Repairing of pier by the Pennsylvania Railroad Company, under permit of the Board. Commenced February 28, 1883, and still in progress.

No. 2933. Pier, old 2.—Driving 8 spruce piles on south side of pier for a distance of 35 feet from outer end, and fastening to them 6-inch yellow pine plank as horizontal fenders from low water up; driving, chocking and fastening 4 new oak spring fender piles on south corner, and 8 on north corner at the end of pier by the Pennsylvania Railroad Company, under permit of the Board. Commenced February 21. Finished February 28, 1883.

No. 2503. Pier, old 3.—Driving 5 spring piles at outer end by Wm. P. Clyde, under permit of the Board. Commenced June 21. Finished June 22, 1882.

No. 2700. Pier, old 3.—Pulling up several piles, driving 28 new fender piles and 6 new bearing piles; hauling bearing piles under caps and putting on a very large cleat, by S. A. Jenks & Co., contractors, under permit of the Board. Commenced October 9. Finished October 14, 1882.

No. 2988. Pier, old 3.—Driving 3 spruce fender piles on the outer end of pier, by S. A. Jenks & Co., contractors, under permit of the Board issued to F. Alexandre & Sons. Commenced and finished April 6, 1883.

No. 3009. Pier, old 3.—Replacing of 6 piles by S. A. Jenks, contractor, under permit of the Board issued to F. Alexandre & Sons. Commenced April 14. Finished April 17, 1883.

No. 2818. Pier, old 4.—Blocked up and raised; backing log at end of pier replaced by new timber, rotten fenderheads cut off and fenders protected by 5 inch yellow pine; 6 new oak fender piles driven, and southwest corner of pier built up, by Pennsylvania Railroad Company, under permit of the Board. Commenced November 29, 1882.

No. 2003. Pier, old 5.—Raising about 100 feet of pier commencing at a point 20 feet from the outer end, and repairing shed by the Pennsylvania Railroad Company, under permit of the Board. Commenced November 23, 1882. Finished February 7, 1883.

No. 2516. Pier, old 6.—Erection of a banner staff, not exceeding 40 feet in height, at the street end of the pier by W. L. Done, under permit of the Board. Commenced and finished June 21, 1882.

No. 2979. Pier, old 8.—Repairing of pier by Central Railroad of New Jersey, under permit of the Board. Commenced March 28. Finished April 30, 1883.

No. 2564. Pier, old 10.—Erection and construction of platform and sheds north of pier by the Metropolitan Steamship Company, in accordance with plans approved of by the Board. Commenced August 3. Finished October 1, 1882.

No. 2639. Pier, old 10.—Driving and chocking spring piles; taking up and replacing portions of deck; removing and replacing rotten caps and girders by H. F. Dimock, under permit of the Board. Commenced September 1. Finished October 7, 1882.

No. 2860. Pier, old 12.—Driving 2 piles at outer corners of pier by the Central Railroad of New Jersey, under permit of the Board. Commenced and finished February 27, 1883.

No. 2979. Pier, old 13.—Repairing of pier by the Central Railroad of New Jersey, under permit of the Board. Commenced April 20. Finished April 30, 1883.

No. 2979. Pier, old 14.—Repairing of pier by the Central Railroad of New Jersey, under permit of the Board. Commenced March 29. Finished April 30, 1883.

No. 2808. Pier, old 18.—Resheathing of deck by John H. Starin, under permit of the Board. Commenced November 18. Finished November 28, 1882.

No. 2771. Bulkhead in front of Piers, old 18 and 19.—Sheathing a space of 108 feet in length by 26 feet in width, with 3-inch spruce planks, by John H. Starin, under permit of the Board. Commenced November 1. Finished November 7, 1882.

No. 2797. Pier, old 20.—Replacing 40 feet of the outer end of pier, commencing 42 feet from the end and extending inshore, by Henderson Bros., under permit of the Board. Commenced November 14. Finished November 24, 1882.

No. 2505. Pier, old 22.—Approach to pier replanked, and bulkhead north of pier, for a distance of 75 feet, rebuilt from low-water mark up. 6 fender piles and 6 new bearing piles driven; 180 lineal feet of backing-log, 27 new half-round fenders and 3 new mooring-posts put in, and 4,460 square feet of 4-inch North Carolina yellow pine decking laid by the Department of Public Works and alleged owners under order of the Board. Finished August 7, 1882.

No. 2453. South side of Barclay Street Ferry.—7 new piles driven and 28 old piles cut off near the top and capped, by Hoboken Land and Improvement Company, under permit of the Board. Finished June 16, 1882.

No. 2490. Pier, old 26.—Removing about 20 fender piles and replacing the same with new ones, by T. & A. Walsh, contractors, under permit of the Board. Finished June 11, 1882.

No. 2973. Pier, old 27.—Repairing southerly side of pier, beginning at a point 160 feet from outer end and extending 100 feet inshore, by driving 9 new spruce piles; driving 2 spruce spring fender piles and laying 100 lineal feet of new 12-inch by 12-inch pine side cap, by the New York and Charleston Steamship Company, under permit of the Board. Commenced March 17. Finished March 21, 1883.

No. 2143. Pier, old 28.—Repairing of pier within the existing lines of the Old Colony Steamboat Company, by permit of the Board. Commenced November 8, 1881. Finished August 26, 1882.

No. 2718. Bulkhead between Piers, old 28 and 29.—Rebuilding old bulkhead from low-water mark up, for a distance of 68 feet north of the north side of Pier, old 28, and a distance of 16 feet back or east of the old bulkhead line; placing and fastening 23 new oak half-round fenders and 2 new mooring posts, by alleged owners, under order of the Board. Commenced February 16. Finished March 30, 1883.



No. 2866. Ferry between Chambers and Warren Streets.—Construction of a hood or awning on the easterly side of the Ferry-house, extending from the southerly entrance for teams to the northerly entrance for teams, a distance of about 60 feet, at an elevation of 14 feet above the platform and projecting 12 feet from the ferry-house, by the New York, Lake Erie and Western Railroad Company, under permit of the Board. Commenced December 16, 1882. Finished February 18, 1883.

No. 2834. Pier, new 21.—Replacing of 2 spring piles on north side of pier by Providence and Stonington Steamship Company, under permit of the Board. Commenced and finished December 9, 1882.

No. 2737. Pier, old 33.—Repairing southerly half of pier by Providence and Stonington Steamship Company, lessees, and of the northerly half by alleged owners, under order of the Board. Commenced October 30. Finished November 22, 1882.

No. 3020. Pier, old 34.—Repairing bulkhead under southerly half of pier by the New York, Ontario and Western Railway Company, under order of the Board. Commenced April 21. Finished April 26, 1883.

No. 2956. Pier, old 34.—Repairing and sheathing of pier by Homer Ramsdell, under permit of the Board. Commenced March 16, 1883, and still in progress.

No. 2567. Pier, old 36.—15 new oak fender piles driven and fastened and 8 new half-round fenders put on; some rotten caps taken out and replaced with sound timber; some rotten pile heads cut off and chocks put in under the timbers they supported, by Bogart & Morgan, under permit of the Board. Commenced June 22. Finished August 26, 1882.

No. 2829. Pier, old 36.—Altering 3 runways, by Bogart & Morgan, under permit of the Board. Commenced December 2, 1882. Finished December 7, 1882.

No. 2496. Pier, old 38.—Removing a portion of the shed and replacing it on the newly-made land 60 feet easterly of the new bulkhead line in front of Pier, new 28, and extending southerly to connect with the existing shed on said bulkhead, by the Pennsylvania Railroad Company, under permit of the Board. Commenced June 15. Finished August 12, 1882.

No. 2504. Pier, new 28.—Driving cluster of piles on the northerly outer corner; erecting and constructing platform and shed on the bulkhead between Pier, new 28, and the shed authorized by resolution of the Board on June 8, 1882; erecting temporary covered platform on the bulkhead north of Pier, new 28, by the Pennsylvania Railroad Company, under permit by the Board. Commenced July 8. Finished August 12, 1882.

No. 2562. Pier, new 28.—Constructing shed on pier by the Pennsylvania Railroad Company, in accordance with plans approved of by the Board. Commenced September 15, 1882. Work still in progress.

No. 2697. Pier, new 28.—Erection of an iron tower by the Pennsylvania Railroad Company, in accordance with plans approved of by the Board. Commenced January 16. Finished March 2, 1883.

No. 2826. Pier, new 28.—Placing 32 leaders through wharf log, by Pennsylvania Railroad Company, under permit of the Board. Commenced December 2, 1882. Finished January 18, 1883.

No. 2864. Pier, new 28.—Removing portions of backing-logs by the Pennsylvania Railroad Company, under permit of the Board. Commenced January 12, 1883. Work still in progress.

No. 2908. Pier, old 39.—Driving and fastening 6 new oak fender piles on northwest corner of pier, driving 10 spruce piles and sheathing westerly end of pier from low-water mark up, with 5-inch oak plank, and for a distance of 60 feet from outer end on the northerly side with 6-inch by 12-inch yellow pine sheathing; driving 20 oak fender piles in front of platform north of pier, and blocking up and repairing platforms by the Pennsylvania Railroad Company, under permit of the Board. Commenced March 15. Finished March 31, 1883.

No. 2768. Desbrosses Street Ferry.—Repairing of ferry racks by the Pennsylvania Railroad Company by driving 12 bracing piles to support south side of centre pier by the Pennsylvania Railroad Company, under permit of the Board. Commenced October 30. Finished November 11, 1882.

No. 2807. Pier, old 41.—Repairing of deck and approach by the New Jersey Steamboat Company, under permit of the Board. Commenced November 13. Finished November 28, 1882.

No. 2622. Pier, old 42.—Repairing of pier by Edward W. Youmans, by order of the Board. Commenced August 26. Finished November 28, 1882.

No. 2600. Pier, new 35.—Repairing north side of pier, by driving 12 bearing piles and 7 fender piles; placing two lengths (about 50 feet) of longitudinal capping; two short lengths of cross caps and several short pieces of rangers, and repairing inclined gangway with new plank, by the Ocean Steamship Company, under permit of the Board. Commenced August 15. Finished August 17, 1882.

No. 2643. Pier, new 36.—Repairing outer end of Pier by John G. Dale, agent, under permit of the Board. Commenced August 31. Finished September 7, 1882.

No. 2709. Piers, new 36, 38, and near Pier, new 41.—Adjusting rail tracks on the newly made ground thereat, to conform to the grade of pavement, by the Albany Brewing Company, John G. Dale, and Williams & Gaion, by order of the Board. Commenced November 2, 1882. Finished April 7, 1883.

No. 2770. Pier, new 41.—Placing of a stationary engine on the northwesterly and outer end of the pier by John H. Starin, under permit of the Board. Commenced November 5. Finished November 6, 1882.

No. 2553. Foot of Morton street.—Erection of a boiler and surrounding fence, extending about 4½ feet south of the inclosure, by the Hudson River Tunnel Company, under permit of the Board.

No. 2781. Pier, new 42.—Repairs to pier, consisting of 18 new oak fenders, trimming defective oak fenders to sound timber, and filling with new material, replacing and refastening defective chocks, rebuilding and refastening with bands the northwest corner buffer from top of armature plate to deck, repairing southwest corner armature plate and bands, replacing defective vertical sheathing at outer end and resheathing 31,500 square feet of deck with new 3-inch spruce planks, by Louis de Bebian, agent, under order of the Board. Commenced November 28, 1882. Finished January 12, 1883.

No. 2924. Pier, new 42.—Erecting a platform at inner end of pier by Louis de Bebian, agent, under permit of the Board. Commenced February 27. Finished March 15, 1883.

No. 2986. Pier, new 42.—Replacing a mooring-post on the westerly end of pier by Louis de Bebian, agent, under order of the Board. Commenced and finished April 5, 1883.

No. 2426. Pier, new 44.—Driving 8 piles near the southwest corner of pier by the Hoboken Land and Improvement Company, under permit of the Board. Commenced April 26. Finished May 1, 1882. (Omitted in Annual Report of 1882.)

No. 2772. Pier, new 45.—Erecting an elevator and platform in accordance with plans as amended and approved by the Board, by R. J. Cortis, agent, under permit of the Board. Finished January 30, 1883.

No. 2820. Pier, new 45.—Cutting a door in shed by R. J. Cortis, agent, under permit of the Board. Commenced December 1, 1882. Work still in progress.

No. 2572. Pier, new 46.—Putting in a new pile 82 feet long, and placing a new fender on south side of pier by Wm. Coverly, lessee, by order of the Board. Commenced August 14. Finished October 4, 1882.

No. 2954. Pier, new 64.—Repairing water-pipe by Wm. Coverly, lessee, under order of the Board. Commenced March 15. Finished March 18, 1883.

No. 2377. Bulkhead south of Pier, old 54.—Repairing of platform in front of bulkhead, extending from the southerly side of Perry street, extended to about 122 feet south of the south side of Pier, old 54, by the alleged owners, under order of the Board. Commenced June 1. Finished July 1, 1882.

No. 2530. Pier at West Eleventh street.—Erection of a temporary awning, 23 feet by 25 feet, on the outer end, by E. Boardman, under permit of the Board. Commenced and finished July 1, 1882.

No. 2778. Bulkhead north of Pier at West Eleventh street.—Repairing of bulkhead by alleged owners, under order of the Board. Commenced November 22. Finished November 25, 1882.

No. 2867. Bank street and Thirteenth Avenue.—Placing a 3-inch pipe from the building to the river, by D. S. Brown & Co., under permit of the Board. Finished January 11, 1883.

No. 2714. Bulkhead south of Bethune street.—Repairing of a break in the bulkhead, about at the centre of blocks, between Bank and Bethune streets, by alleged owners, under order of the Board. Commenced November 9. Finished November 29, 1882.

No. 2883. Bulkhead south of Bethune street.—Repairing about 25 feet of bulkhead by alleged owners, under order of the Board. Commenced and finished January 27, 1882.

No. 2390. Pier at Bethune street.—Repairing of deck by Decker & Rapp, lessees, under order of the Board. Commenced May 9. Finished August 5, 1882.

No. 2897. Bulkhead between Bethune and West Twelfth streets.—Repairing of bulkhead by alleged owners, under order of the Board. Commenced March 7, 1883. Work still in progress.

No. 2627. Pier at Little West Twelfth street.—Repairing of pier by Drew & Bucki, lessees, by order of the Board. Commenced September 15, 1882. Finished January 1, 1883.

No. 2850. Pier at Little West Twelfth street.—Repairing of damage done to the pier by the Fire Department's boat "Zophar Mills," by Drew & Bucki, lessees, under order of the Board. Commenced and finished February 8, 1883.

No. 2447. Bulkhead north of Pier at Gansevoort street.—Driving a pile by the New York City Ice Company, under permit of the Board. Commenced and finished May 25, 1882.

No. 2777. Bulkhead north of Fourteenth street.—Repairing of bulkhead by alleged owners, under order of the Board. Commenced November 18. Finished November 27, 1882.

No. 2686. Pier at West Sixteenth street.—Driving, chocking and fastening 6 new fender piles, and laying 25 feet of new backing-log, by the Mutual Benefit Ice Company, under order of the Board. Commenced and finished October 4, 1882.

No. 2527. Pier at foot of West Twenty-first street.—Erection of an awning twenty feet wide and thirty feet long, by William P. Clyde & Co., under permit of the Board. Commenced July 1. Finished July 3, 1882.

No. 2337.—Bulkhead between Twenty-first and Twenty-second streets.—Repairing of bulkhead by Ogden & Co., under permit of the Board. Commenced March 2. Finished May 15, 1882. (Omitted in A. R. of 1882).

No. 2688. Bulkhead between West Twenty-third and West Twenty-fourth streets.—Removing face timbers of bulkhead, for the length of about seventy-five feet south of Twenty-fourth street, and filling partially excavated by alleged owners, under order of the Board. Commenced November 1, and stopped by order of the Board, November 17, 1882.

No. 3000. Pier foot of West Thirty-fifth street.—Repairing of pier by Scott & Co., lessees, under order of the Board. Commenced April 25, 1883. Work still in progress.

No. 2980. Foot of West Thirty-ninth street.—Erection and construction of a platform on piles on the north side of and adjoining the pier, in accordance with plans submitted to and approved by the Board under permit issued to Conrad N. Jordan. Commenced March 28, 1883. Work still in progress.

No. 2976. Foot of Forty-second street.—Removing of present ferry house and erection of a new one in accordance with plans submitted to and approved by the Board under permit issued to Conrad N. Jordan. Commenced April 4, 1883. Work still in progress.

No. 2720. Bulkhead 100 feet north of West Forty-sixth street.—Driving 7 bearing piles; putting under caps for the front of the bulkhead platform by Robert Gordon, under permit of the Board. Commenced October 14. Finished October 19, 1882.

No. 2659. Bulkhead between West Fifty-fourth and West Fifty-fifth streets.—Driving 60 fender piles and placing 2 sticks of timber by Rowe & Denman, under permit of the Board. Commenced September 9. Finished September 14, 1882.

No. 2970. Foot of West Fifty-eighth street.—Erection of a dumping-board by John Chester, under permit of the Board. Commenced March 23, 1883. Work still in progress.

No. 2448. Pier between West Sixty-seventh and West Sixty-eighth streets.—Erection of a pier by the New York Central and Hudson River Railroad in accordance with plans submitted to and approved by the Board. Commenced August 3. Finished November 17, 1882.

No. 2758. Pier at Sixty-eighth street.—Erecting shed on pier by the New York Central and Hudson River Railroad in accordance with plans submitted to and approved of by the Board. Commenced December 3. Finished December 27, 1882.

No. 2667. Foot of West Seventieth street.—Construction of a wooden pier near the foot of the street, with a housed hoisting engine, a coal derrick and coal trestle by the New York Central and Hudson River Railroad in accordance with plans approved of by the Board. Commenced September 23. Finished November 17, 1882.

No. 2506. Ferry Rack at West One Hundred and Thirtieth street.—Driving 26 piles and making other repairs by E. H. Coffin under permit of the Board. Commenced June 20. Finished August 3, 1882.

No. 2589. Pier at West One Hundred and Thirtieth street.—Putting down 1 piece 3-inch plank, 12 feet long by 2 feet wide, by T. F. Tone, lessee, under order of the Board. Commenced and finished September 9, 1882.

#### EAST RIVER.

No. 2967. Bulkhead between Piers 2 and 3.—Repairing of backing-log by S. A. Jenks & Co., contractors, for alleged owners, under order of the Board. Commenced and finished March 26, 1883.

No. 2898. Pier 3.—Replacing three broken fender piles on the east corner and two on the west corner of pier and placing 30 half-round fenders by S. A. Jenks & Co., under permit of the Board issued to James Cruikshank. Finished February 10, 1883.

No. 2799. Pier 4.—Repairing of westerly half of pier by Twombly & Cruikshank under order of the Board. Commenced December 4, 1882. Finished January 16, 1883.

No. 2817. Pier 5.—Repairing of pier by the New York Central and Hudson River Railroad Company, under permit of the Board. Commenced November 25. Finished December 12, 1882.

No. 2887. Bulkhead between Piers 5 and 6.—Repairing of Bulkhead by putting some new timbers under backing-log, placing new backing-log for the whole width of the slip, and fendering the face of the bulkhead with new 5-inch by 8-inch yellow pine fenders, placing 2 at each tier of the crib ties, by the New York Central and Hudson River Railroad Company, lessees, under order of the Board. Commenced February 24. Finished February 28, 1883.

No. 2631. Pier 7.—Repairing of pier by the New York, Lake Erie and Western Railroad Company, lessees, by order of the Board. Commenced September 2. Finished in part, September 9, 1882.

No. 2464. Pier 8.—Repairing of outer end by the New York, Lake Erie and Western Railroad Company, under order of the Board. Commenced May 16. Finished May 17, 1882.

No. 2632. Pier 8.—Repairing westerly half of pier by the New York, Lake Erie and Western Railroad Company, lessees, and easterly half by alleged owners, under order of the Board. Commenced August 31. Finished in part, September 2, 1882.

No. 2623. Piers 7 and 8.—Repairing the iron corner bands and other repairs by the New York, Lake Erie and Western Railroad Company, by order of the Board. Commenced August 30. Finished September 9, 1882.

No. 2400. Bulkhead between Piers 8 and 9.—Repairing of Bulkhead by S. A. Jenks & Co., contractors, for the alleged owners, under order of the Board. Commenced May 9. Finished May 23, 1882.

No. 2369. Bulkhead between Piers 10 and 11.—Repairing of bulkhead by alleged owners, under order of the Board. Commenced May 2. Finished May 18, 1882.

No. 2587. Pier 14.—Repairing of pier by taking out the worst girders between the blocks, and replacing them with sound timber, driving fender piles along the sides of the pier, and resheathing the worst portions of the deck planking by the alleged owners, under order of the Board. Commenced November 5. Finished November 16, 1882.

No. 2438. Between Piers 14 and 15.—Dredging of slip to a depth of 20 feet below mean low water, except in close proximity to the bulkhead, by John F. Doyle, agent for alleged owners, by order of the Board. October 1 to October 15, 1882.

No. 2990. Pier 15.—Repairing of pavement opposite to the entrance to pier by the Union Ferry Company, under order of the Board. Commenced and finished April 17, 1883.

No. 2548. Wall Street Ferry.—Erection of a new ferry house by the Union Ferry Company of Brooklyn, under permit of the Board. Commenced September 15, 1882. Finished April 3, 1883.

#### Resolution of Board, March 14, 1883.

Wall Street Ferry.—Erection of a shed by the Union Ferry Company at the westerly side of their new ferry-house. Commenced September 15, 1882. Finished April 3, 1883.

#### Secretary's Order.

No. 2798. Pier 16.—Driving 5 new fender piles by S. A. Jenks & Co., contractors, under the permit of the Board issued to S. A. Frost. Commenced November 21. Finished December 1, 1882.

No. 2368. Between Piers 18 and 19.—Dredging of westerly half of the slip by W. D. Morgan, under permit of the Board. Commenced May 30. Finished June 2, 1882. Stopped by injunction.

No. 2570. Bulkhead and platform between Piers 18 and 19.—Repairing by John E. Stow, lessee, under order of the Board. Commenced August 14. Finished August 15, 1882.

No. 2520. East Half of Pier 19.—Repairing of easterly half of pier by S. A. Frost, agent of alleged owners, by order of the Board. Commenced July 13. Finished July 24, 1882.

No. 2825. Pier 20.—Repairs to pier by C. H. Mallory & Co., lessees of the easterly half and alleged owners of the westerly half, under order of the Board. Commenced January 17. Finished January 26, 1883.

No. 2881. Pier 21.—Repairing of longitudinal caps by C. H. Mallory & Co., lessees, under permit of the Board. Commenced January 29. Finished January 30, 1883.

No. 2954. Pier 23.—Placing 10 fender piles on the easterly side of pier by S. A. Jenks & Co., contractors, under permit of the Board, issued to S. H. Mills. Commenced March 27. Finished March 29, 1883.

No. 2621. Pier 24.—Repairing of pier by the Hartford and New York Transportation Company, lessees of the easterly half, and by the alleged owners of the westerly half, under order of the Board. Commenced September 9. Finished October 11, 1882.

No. 2920. Pier 24.—Moving of the landing or gangway spur on the westerly side of pier from its former position, 75 feet back, to connect with bulkhead platform, by Alexander M. C. Smith, under permit of the Board. Commenced April 5. Finished April 10, 1883.

No. 2953. Pier 24.—Placing 3 fender piles on the easterly outer corner of pier by G. H. Jones, under permit of the Board. Commenced March 27. Finished March 28, 1883.

No. 3006. Pier 24.—Repairing pier by the Hartford and New York Transportation Company, lessees of the easterly half, and by the alleged owners of the westerly half, under order of the Board. Commenced April 10. Finished April 27, 1883.

No. 2574. Pier 25.—Repairing of pier by the New Haven Steamboat Company under order of the Board. Commenced August 31. Finished September 2, 1882.

No. 2998. Between Piers 25 and 26.—Driving 4 spring piles by J. Monks, contractor, under permit of the Board issued to the New Haven Steamboat Company. Commenced and finished April 10, 1883.

No. 2669. Bulkhead between Piers 26 and 27.—Rebuilding of bulkhead from about low water up by alleged owners under order of the Board. Commenced October 4th. Finished November 3, 1882.

No. 2449. Pier 27.—Driving 4 fender piles at outer end of pier by S. A. Frost, under permit of the Board. Commenced May 23. Finished June 23, 1882.



No. 2577. Pier 27.—Repairing of pier by alleged owners, under order of the Board. Commenced August 5. Finished August 9, 1882.

No. 2861. Pier 36.—Driving 3 oak and 2 spruce spring piles on west side of pier in place of those worn out, by Warren Rosevelt, contractor, under permit of the Board, issued to William Bassett, Agent. Commenced January 11. Finished January 13, 1883.

No. 2606. Pier 37.—Repairing of pier by the Central Vermont Railroad and Steamboat Company, under order of the Board. Commenced September 12, 1882. Work still in progress.

No. 2755. Pier 37.—Erection of a derrick by the Central Vermont Railroad and Steamboat Company, under permit of the Board. Finished October 23, 1882.

No. 3007. Dump at foot of Market Street.—Driving 8 piles by T. & A. Walsh, contractors, under permit of the Board, issued to the Department of Street Cleaning. Commenced April 13. Finished April 16, 1883.

No. 2665. Pier 40.—Driving of 16 fender piles along the sides and corners of the pier by the Merchants' and Miners' Transportation Company, under permit of the Board. Commenced September 14. Finished September 25, 1882.

No. 2959. Pier 40.—Repairing of pier by Warren Rosevelt, contractor, under order of the Board, issued to F. & H. Phelps, lessees. Commenced March 22. Finished April 3, 1883.

No. 2605. Pier 41.—Repairing of pier by the Inland and Seaboard Coasting Company, under order of the Board. Commenced September 18. Finished September 25, 1882.

No. 2971. Pier 41.—Repairing westerly outer corner of pier by the Inland and Seaboard Coasting Company, under order of the Board. Commenced April 11. Finished April 12, 1883.

No. 2473. Pier 42.—Replanking of deck by the New York Floating Dry Dock Company, under permit of the Board. Commenced May 8. Finished June 9, 1882.

No. 2969. Pier 42.—Repairing of outer westerly corner of pier by the alleged owners, under order of the Board. Commenced March 21. Finished March 22, 1883.

No. 2597. Pier 43.—Erection of a temporary ice bridge on the easterly side of the pier, about 72 feet long by 6 feet wide, by the Ridgewood Ice Company, under permit of the Board. Commenced August 14. Finished August 16, 1882.

No. 2805. Pier 44.—Repairing westerly side of pier by replacing half-round fenders by the New York City and Northern Railroad Company, under order of the Board. Commenced December 18. Finished December 19, 1882.

No. 2358. Pier 45.—Repairing of pier by the alleged owner, under order of the Board. Commenced March 20th. Finished May 6, 1882. (Omitted in A. R. of 1882.)

No. 2968. Pier 45.—Repairing easterly outer corner of pier by alleged owner, under order of the Board. Commenced April 19. Finished April 28, 1883.

No. 2463. Bulkhead between Piers 47 and 48.—Repaired by George R. Shiefelin, Joseph Foulke, and Samuel Borrow, alleged owners, under order of the Board. Commenced June 12. Finished June 24, 1882.

No. 2934. Bulkhead between Piers 47 and 48.—Repairing of easterly portion of bulkhead by Warren Rosevelt, contractor, and of the westerly portion by S. A. Jenks, contractor, for the alleged owners, under order of the Board. Commenced February 28. Finished March 12, 1883.

No. 3032. Pier 49.—Driving six piles by Warren Rosevelt, contractor, under permit of the Board, issued to the New York Floating Dry Dock Company. Commenced April 27. Finished April 30, 1883.

No. 2759. Bulkhead east of Pier 49.—Repairing a hole in the bulkhead by the New York Floating Dry Dock Company under permit of the Board. Commenced October 23. Finished October 30, 1882.

No. 2844. Bulkhead between Piers 49 and 50.—Repairing of the easterly fifty feet of the bulkhead by the Glen Cove Manufacturing Company, under permit of the Board. Commenced January 2. Finished January 3, 1883.

No. 2989. Bulkhead between Piers 49 and 50.—Repairing of the bulkhead under and to the east of Pier 49 by the alleged owners, under order of the Board. Commenced April 24. Finished April 27, 1883.

No. 2995. Bulkhead between Piers 49 and 50.—Repairing of bulkhead by Glen Cove Manufacturing Company, under order of the Board. Commenced and finished April 26, 1883.

No. 2472. Pier 50.—Driving piles along the end of the pier for a distance of twelve feet back from the end on each side, also putting a new dock log in, by the New York, New Haven and Hartford Railroad Company, under permit of the Board. Commenced previous to May 15. Finished July 19, 1882.

No. 2634. Pier 50.—Repairing of westerly half of pier by alleged owners, under order of the Board. Commenced September 18. Finished October 20, 1882.

No. 2845. West half of Pier 51.—Repairing paving of approach to westerly half of pier by alleged owners, under order of the Board. Commenced January 2. Finished January 3, 1883.

No. 2894. Pier 53.—Repairing of pier by H. B. Mould and Chas. H. Eldridge, under permit of the Board. Commenced March 18. Finished April 9, 1883.

No. 2729. Pier 54.—Repairing easterly half of pier by Frank Phalen, under order of the Board. Commenced October 23. Finished October 26, 1882.

No. 2975. Foot of Jackson street.—Driving of piles under the dumping-board by T. & A. Walsh, contractors, under permit of the Board, issued to the Department of Street Cleaning. Commenced March 19. Finished March 21, 1883.

No. 2836.—Bulkhead seventy-five feet east of Pier 54.—Repairing of twenty-five feet of bulkhead by the alleged owners, under permit of the Board, issued to C. L. Hoffman, their attorney. Commenced and finished January 20, 1883.

No. 2928. Pier 55.—Repairing of pier by People's Ferry Company, under order of the Board. Commenced March 3. Finished March 7, 1883.

No. 2607. Pier 56.—North half of pier repaired by alleged owner, under order of the Board. Commenced September 22, 1882. Work still in progress.

No. 2491. Bulkhead between Piers 57 and 58.—Driving 4 fender piles in front of the pier by T. & A. Walsh, contractors, for alleged owners, under permit of the Board. Commenced and finished June 8, 1882.

No. 2529. Foot of Houston street.—Driving 18 oak fender piles by the Nassau Ferry Company, under permit of the Board. Commenced July 10. Finished July 12, 1882.

No. 2452. Between East Tenth and East Eleventh street.—Building of a platform about 156 feet long, about 29 feet wide in front of the bulkhead, by the National Ice Company, under permit of the Board. Commenced May 26. Finished June 19, 1882.

No. 2403. Pier at foot of East Eleventh street.—Repairing of pier by J. Affleck, executor of George Law, deceased, alleged owner, under permit of the Board. Commenced April 10. Finished May 2, 1882. (Omitted in A. R. of 1882.)

No. 2175. Bulkhead between East Twenty-third and East Twenty-fourth streets.—Repairing of bulkhead by the Greenpoint Ferry Company, under permit of the Board. Commenced December 17, 1881. Stopped on account of driving piles outside of existing lines, March 9, 1882. Recommended under new permit of the Board, March 23, 1882. Finished February 10, 1883. (Omitted in A. R. of 1883.)

No. 2336. Ferry between East Twenty-third and East Twenty-fourth streets.—Removing of old ferry platform, ferry houses, racks, etc., and building new platforms, racks, bridges, etc., by the Greenpoint Ferry Company, in accordance with plans and specifications approved by the Board. Commenced on or about March 23, 1882. Finished February 10, 1882. (Omitted in A. R. of 1882.)

No. 2624. Ferry between East Twenty-third and East Twenty-fourth streets.—Erection of new ferry-house by the Greenpoint Ferry Company, under permit, and in substantial accordance with plans approved by the Board. Commenced August 24, 1882. Finished April 16, 1883.

No. 2635. Pier at East Twenty-eighth street.—Repairing of pier by Jos. V. Brown, by order of the Board. Commenced and finished September 12, 1882.

No. 2721. Bulkhead foot of East Twenty-eighth street.—Repairing of platform on north side of pier by Wm. H. Harrison, under permit of the Board. Commenced November 3. Finished November 4, 1882.

No. 3021. Bulkhead foot of East Twenty-eighth street.—Repairing of bulkhead platform north of pier by John Giles, contractor, under permit of the Board, issued to Wm. H. Harrison. Commenced April 28, 1883. Work still in progress.

No. 2635. Pier at East Thirty-third street.—Repairing of pier by the East River Ferry Company, under order of the Board. Commenced September 7. Finished September 8, 1882.

No. 2532. Foot of and south of East Fifty-seventh street.—Building of a retaining wall by Thos. Fitzgerald, under permit of the Board. Commenced some time before July 7. Finished December 1882.

No. 2760. Foot of East Sixty-third street.—Driving of 10 fender piles and one bearing pile at platform by Warren Rosevelt, under permit of the Board. Commenced November 6. Finished November 9, 1882.

No. 1458. South of Seventy-fourth street.—Removal of ledge under water and erection of wall by John Macarthur, under permit of the Board. Commenced June 1881. Work still in progress.

No. 2885. Pier at East Eighty-sixth street.—Removal of coal boat "Belle," now sunk at the pier, by John H. Baxter, lessee, under order of the Board. January 29th, 1883.

No. 2810. Bulkhead foot of East Ninety-third street.—Cutting through bulkhead to afford a sewer outlet by the Department of Public Works, under permit of the Board. Commenced December 8. Finished January 10, 1882.

## HARLEM RIVER.

No. 3019. Pier between One Hundred and Tenth and One Hundred and Eleventh streets.—Removing old backing log, replacing the same with new one and driving 3 pine mooring piles by T. & A. Walsh, contractors, under permit of the Board issued to the Harlem Gas-light Company. Commenced April 19. Finished April 30, 1883.

No. 3008. One Hundred and Fiftieth street.—Erection of platforms on piles by Thomas L. Sturges, under permit of the Board. Commenced April 18, 1883. Work still in progress.

No. 2678. Two Hundred and Seventh street.—Erection of a foot-bridge about 5 feet in width across the Harlem river by Joseph Potter and others, under permit and in accordance with plans approved by the Board. Commenced March 6, 1883. Work still in progress.

No. 3010. Bulkhead at Morrisania Dock.—Repairing of about 144 lineal feet of bulkhead easterly of the Morrisania dock, by Green Wright, under permit of the Board. Commenced April 17, 1883. Work still in progress.

## HEALTH DEPARTMENT.

HEALTH DEPARTMENT OF THE CITY OF NEW YORK,  
NEW YORK, December 29, 1883.

The Board met this day.

## Resolutions.

Resolved, That the proposal of Carraher & Co. to furnish two boilers of the lateral improved Central Combustion Company manufacture, for the sum of \$950 in addition to contract price, be and is hereby accepted.

Resolved, That the subject of purchase or construction of steamboat for the use of the Department be and is hereby referred to the President and Commissioner Johnson for consideration and report.

Resolved, That the Secretary cause an examination of the accounts of the Auditing Clerk up to the first of January prox., and report thereon to this Board at an early date.

Whereas, Under the reorganization of the Board of Health as provided by resolution of this Board in order to secure greater efficiency in the discharge of its duty to protect the public health, it becomes necessary to reduce the force of Sanitary Inspectors from seventeen to ten, in order to conform to the expenses provided by the Board of Estimate and Apportionment, as reported in the papers of this day, therefore

Resolved, That this Board respectfully represent to said Board the danger to the public health from such reduction of the force of Sanitary Inspectors, and respectfully ask the reconsideration of the order of allowance made this Department, and the further allowance of seven thousand seven hundred and fifty dollars for the employment of five Sanitary Inspectors in addition to the ten contemplated under the reorganization made by the Department of Health.

Resolved, That orders on premises of Metropolitan Gas-light Co. (Nos. 23427 and 23428) be suspended to April 1, 1884.

Resolved, That suits and orders in respect to No. 25 Pine street, Order No. 20538; Seventy-first street and Eighth avenue, Order No. 17030; No. 40 Watts street, Order No. 23375; No. 62 Watt street, Order No. 23265, be and are hereby suspended for examination and report of the Sanitary Superintendent upon application for relief from same or extension of time.

Resolved, That the officers and employees of the Department be and are hereby classified as follows, viz.:

(I). In the Secretary's Office there shall be

- 1 Secretary.
- 1 Chief Clerk, who shall also be Auditing Clerk and Property Clerk.
- 1 Corresponding Clerk.
- 4 Clerks.
- 1 Janitor.
- 1 Messenger.
- 1 Sweeper.

(II). In the Attorney and Counsel's Office there shall be

- 1 Attorney and Counsel.
- 1 Chief Clerk.
- 2 Clerks.
- 1 Messenger.

(III). The Sanitary Bureau shall consist of seven divisions, and in it there shall be

- 1 Sanitary Superintendent, who shall also perform the duties of Register of Records.
- 1 Assistant Sanitary Superintendent, who shall perform the duties of Chief Medical Officer in charge of the Fifth Division.
- 1 Clerk, and so many clerks as the service may require.
- 1 Messenger.

(VI). In the First Division there shall be

- 1 Chief Sanitary Inspector.
- 10 Sanitary Inspectors.
- 2 Clerks.
- 50 Assistant Sanitary Inspectors for two summer months.

To each Inspector of this division there shall be assigned a district within which they will have general charge of sanitary matters, particularly in connection with tenement and lodging houses and their occupants, and generally as to public buildings.

In the Second Division there shall be

- 1 Chief Inspector.
- 2 Special Inspectors (1 Offensive Trades, 1 Tea and Coffee, etc.)
- 1 Chemist.
- 4 Milk Inspectors.
- 2 Meat Inspectors.
- 6 Fruit Inspectors, for three months each.

To this division shall be referred all matters requiring the services of an expert in connection with the adulterations of food and drink generally and with offensive trades.

In the Third Division there shall be

- 1 Chief Inspector.
- 4 Special Inspectors.
- 30 Sanitary Policemen.

To this division shall be referred all matters endangering health, life or limb upon the streets or sidewalks, and the enforcement of ordinances relating to nuisances exposed to public view as well as special indoor inspections.

In the Fourth Division there shall be

- 1 Chief Inspector of Vaccination and Disinfection.
- 10 Inspectors of Vaccination.
- 2 Special Inspectors.
- 4 Disinfectors.
- 1 Clerk (Contagious and Infectious Diseases).
- 1 Clerk (M. D.)
- 1 Messenger.

—and as many additional Disinfectors as may be required during summer months.

To this division shall be referred all matters relating to the detection and prevention of contagion.

In the Fifth Division there shall be

- 1 Chief Medical Officer.
- 1 Resident Physician.
- 1 Physician.
- 1 Clerk.
- 2 Matrons.
- 1 Cook.
- 1 Laundress.
- 1 Boatman.
- 1 Janitor.
- 1 Carpenter.
- 5 Helpers (Females).
- 5 Nurses.
- 1 Waiter.
- 1 Fireman.
- 2 Helpers (Males).
- 1 Orderly.
- 1 Engineer.

On Steamboat—

- 1 Captain.
- 1 Fireman.
- 1 Engineer.
- 1 Deckhand.

To this division shall be referred all matters relating to the care and maintenance of the hospital buildings and the treatment of all patients therein, and their transportation to and from the hospitals

In the Sixth Division there shall be

- 1 Chief Inspector.
- 10 Inspectors.
- 3 Clerks.

To this division shall be referred all matters relating to the execution of the laws and ordinances in reference to plumbing and ventilation. The salaries of those performing service in this division shall be paid out of the funds appropriated under the provisions of chapter 504, Laws of 1879, and chapter 450, Laws of 1881.

The Bureau of Vital Statistics having charge of the records relating to births, marriages, and deaths shall constitute the Seventh Division, and in it there shall be

- 1 Register of Records.
- 1 Deputy Register of Records.
- 9 Clerks.
- 2 Examiners and Permit Clerks.

To this Bureau shall be referred all matters relating to the registration of births, marriages and deaths, and the issuance of burial and transportation permits.



(V.) The Secretary, the Attorney and Counsel, the Sanitary Superintendent, or the Assistant Sanitary Superintendent, and the Register of Records, or the Deputy Register of Records shall report direct to the Board of Commissioners. The Chiefs of Divisions of the Sanitary Bureau shall report to the Sanitary Superintendent.

(VI.) Any person serving in the office of the Secretary, or the office of the Attorney and Counsel, may be required to perform any of the duties of said offices by the respective heads of said offices.

(VII.) Any person serving in a division of the Sanitary Bureau may be required by the Chief of that division to perform any of the duties devolving upon such division, and the Sanitary Superintendent may detail a person from one division to temporary service in another division, but no permanent transfer from one division to another shall be made without the authority of the Board of Commissioners.

(VIII.) The Chief of the First Division shall pass upon the accounts rendered for Night Medical Service.

Resolved, That the following appointments and promotions be and hereby are made in this Department with the salaries attached thereto, to take effect on and after January 1, 1884:

Moreau Morris, M. D., Chief Inspector, First Division.....	\$2,400 00
Willard Ballard, Chief Inspector, Third Division.....	2,400 00
J. J. Williams, M. D., Sanitary Inspector.....	1,550 00
Cyrus Edson, M. D., Chief Inspector, Second Division.....	2,400 00
John F. Dunphy, M. D., Inspector of Vaccination.....	1,200 00
George J. Conant, M. D., Inspector of Vaccination.....	1,200 00
John C. Collins, Chief Inspector, Sixth Division.....	2,400 00
John S. Berry, Inspector, Sixth Division.....	1,800 00
Thomas J. Nealis, Inspector, Sixth Division.....	1,800 00
John E. Wade, Clerk.....	1,500 00

Resolved, That the services of the following-named persons be dispensed with from and after December 31, by reason of the necessary reorganization of the Department and in conformity to the amount appropriated for its support, viz.:

Charles E. Lockwood, M. D.,  
Charles F. Roberts, M. D.,  
J. E. Stillwell, M. D.,  
J. W. McChesney, M. D.,  
Walter Y. Cowl, M. D.,  
George F. Morris, M. D.,  
Charles P. Russel, M. D.,  
E. Hockheimer, M. D.,  
Michael Lestrangle.

By order of the Board,  
EMMONS CLARK, Secretary.

HEALTH DEPARTMENT OF THE CITY OF NEW YORK,  
New York, January 2, 1884.

The Board met this day.

#### Reports.

From the Sanitary Superintendent: On operations of the Sanitary Bureau; on contagious diseases; on slaughter-houses; weekly report from Riverside Hospital; on work performed by the Sanitary Company of Police; on work performed by the Milk Inspectors; on work performed by the Meat Inspectors; on work performed by the Vaccinating Corps; on application for permits; on obstruction of sewer at Lewis and Broome streets; on applications for relief from certain orders; upon the necessity of sewerage and drainage of the Fox estate in the Twenty-third Ward.

From the Attorney and Counsel: Weekly report; monthly report; on application to inspect the record of marriages.

From the Deputy Register of Records: Weekly letter; weekly mortuary statement; weekly abstract of births and still-births; weekly abstract of marriages; weekly abstract of deaths from contagious diseases; on attendance of clerks.

#### Communications from other Departments.

From the Finance Department: Comptroller's weekly letter.  
From the Department of Public Works: In respect to certain street pavements, etc.

#### Miscellaneous Communications.

From E. T. Gerry: Transmitting copy of a letter to the Comptroller in reference to application for land adjacent to the Contagious Disease Hospital at Sixteenth street.  
From Dexter A. Hawkins: In respect to the good qualities of the "Ariatron."

#### Bills Audited.

W. Lawrence.....	\$166 10
James Brady.....	6,744 60
J. B. Purroy.....	166 71
Flaherty & O'Connell.....	1,895 60

#### Permit Granted.

To keep a lodging house at No. 63 Cherry street.

#### Permit Denied.

To keep chickens at No. 277 Essex street.

#### Resolutions.

Resolved, That a copy of the report of Sanitary Inspector Murtha upon the obstruction of basin of sewer on northwest corner of Lewis and Broome streets, be forwarded to the Department of Public Works for the necessary action.

Resolved, That orders be and are hereby extended as follows:

Order No. 23037, on premises No. 100 East Seventeenth street, to July 1, 1884, provided the usual stipulation is signed.  
Order No. 23815, on premises No. 334 Fifth street, to April 1, 1884, provided the usual stipulation is signed.

Order No. 22177, on premises No. 891 Seventh avenue, to May 1, 1884, provided the usual stipulation is signed.  
Order No. 19529, on premises No. 258 East Forty-ninth street, to May 1, 1884, provided the usual stipulation is signed.

Order No. 23487, on premises Nos. 497 and 499 North Third avenue, to April 1, 1884, provided the usual stipulation is signed.

Order No. 17030, on premises northwest corner Eighth avenue and Seventy-first street, to April 1, 1884, provided the usual stipulation is signed.

Order No. 16833, on premises west side Eighth avenue, north of Seventy-first street, to April 1, 1884, provided the usual stipulation is signed.

Order No. 16638, on premises No. 243 West Eighteenth street, to May 1, 1884, provided the usual stipulation is signed.

Order No. 20643, on premises No. 338 East Twenty-fifth street, to April 1, 1884, provided the usual stipulation is signed.

Order No. 14840, on premises No. 312 and 314 East Forty-fourth street, to April 1, 1884.

Order No. 23604, on premises south side One Hundred and Forty-fifth street, west of Third avenue, to April 1, 1884.

Order No. 14303, on premises Nos. 73, 75, 77 and 79 East Houston street, that part of order referring to new water-closet and sewer pipe, be suspended during the pleasure of the Board.

Resolved, That the Register of Records be and is hereby authorized and directed to register the following marriage and birth returns:

Alfred M. Fuller and Margaretta T. Fuller, May 24, 1883.

Annie Barberich, born September 24, 1883.

Application of the Electric Candle Co. for suspension of order No. 24464 was received and referred to the Sanitary Superintendent.

Application from John E. Pye, for extension of order on premises No. 20 Bleeker street, was received and referred to the Sanitary Superintendent.

An application of Dr. Wm. A. Ewing, in respect to pay as "Executive Officer" of the Night Medical Service was received and ordered on file.

An application from Dr. Charles P. Russel for appointment as Sanitary Inspector, was received and ordered on file.

Upon information that the Board of Estimate and Apportionment had appropriated a sum sufficient to continue the number of Sanitary Inspectors at fifteen, the Board reappointed the following-named Sanitary Inspectors:

Dr. Charles F. Roberts, Dr. Charles E. Lockwood, Dr. John B. Linehan, Dr. Geo. F. Morris, Dr. J. E. Stillwell, with salary at the rate of \$1,550 per annum, and assigned to First Division, Dr. Morris.

The Board also reappointed Dr. J. N. McChesney as Assistant Sanitary Inspector, with salary at the rate of \$1,500 per annum, and assigned to Fourth Division, Dr. Taylor.

The salary of Dr. R. J. Heinmuller, Assistant Sanitary Inspector, was fixed at the rate of \$1,500 per annum.

James R. Griswold was transferred from office of Sanitary Superintendent to Chief Clerk of First Division, and McCauley was transferred from First Division to office of Sanitary Superintendent, without change of salaries.

The designation of Caspar Golderman was changed to "Chief Clerk and Auditing Clerk," and the designation of Wm. G. Shailer was changed to "Corresponding and Property Clerk."

The subject of an extra allowance or addition to salaries on account of car fare or horse hire, was referred to Secretary and Sanitary Superintendent for consideration and report.

The President was authorized to secure additional rooms for the use of this Department, at an expense not to exceed \$1,200 per annum.

Resolved, That the following additional regulations be and are hereby adopted:

(9.) In the office of the Sanitary Superintendent there shall be kept a Complaint Book, in which shall be entered all complaints either written or verbal, received at the headquarters of the Department requiring the services of an Inspector. Said book shall also show the action taken upon each of the complaints and the final disposition of them. There shall also be kept a Journal, in which shall be recorded all the transactions of the office, except those entered in the Complaint Book.

(10.) In each of the offices of the Chiefs of Divisions, except that of the seventh, there shall be kept a Journal, in which shall be entered a synopsis of every communication received from the Sanitary Superintendent's office, and of the action taken thereon, also a record of all the transactions of the Division.

(11.) Office hours are as heretofore, from 9 A. M. until 4 P. M., but any employee may be required to exceed those hours if in the opinion of his superior the necessities of the service require it.

Resolved, That to insure proper accountability for the public property of this Department, the following rules shall hereafter be observed.

#### (I.) Responsibility for Property.

Officers, Heads of Bureaus, and Chiefs of Divisions are responsible and accountable for the public property in this Department, as follows:

(1.) The Secretary of the Board for all office furniture, fixtures, books, etc., in the offices of the Board, and elsewhere in the Department building which are not properly accounted for by heads of bureaus or divisions.

(2.) The Sanitary Superintendent and Register of Records for all office furniture, fixtures, books, maps, plans, etc., in the offices of his bureau and in the office of the Seventh Division not properly accounted for by heads of divisions.

(3.) The Assistant Sanitary Superintendent as Chief Medical Officer of the Fifth Division for all office furniture, fixtures, books, etc., in the offices of said Division, and for all materials, supplies, and articles used in the hospital service and on board the steamboat.

(4.) Chiefs of the First, Second, Third, Fourth and Sixth Divisions for all office furniture, fixtures, books, maps, plans, etc., in the offices of their respective divisions or pertaining thereto, and the Chief of the Fourth Division shall also be responsible for all horses, harness, wagons, ambulances, chemicals, etc., in his possession elsewhere.

#### (II.) Inventories.

(1.) On the 31st day of December of each year, every head of bureau and division shall make an accurate and minute inventory of public property in his possession.

(2.) These inventories shall be verified: the inventory of the Secretary and Sanitary Superintendent by the President of the Board, and the inventories of the heads of divisions by the Sanitary Superintendent.

(3.) The inventories shall be made in duplicate, and the original forwarded to the Board on or before the 10th day of January next following; the copy to be retained.

#### (III.) Returns.

(1.) Semi-annually on the last day of June and December in each year the responsible officers, previously enumerated, shall account for the property in their possession upon a property return (form 1), which shall be made out in duplicate, one copy to be retained and the other to be delivered to the Property Clerk on or before the fifth day after the expiration of each half year.

(2.) In case an officer, head of bureau, or head of division vacates his position, he shall make a return to the date of his leaving, and shall take a receipt for property from his successor; in case of his death his successor shall immediately make the return.

#### (IV.) Requisitions.

(1.) All articles, materials and supplies required by officers, heads of bureaus or divisions shall be called for by them on requisitions (form 2) made and forwarded in duplicate to the office of the Board, and the same shall, if approved, be referred to the Secretary for issue.

(2.) For all articles required, the want of which can be foreseen at the time, requisition shall be made half yearly, and forwarded on the first Monday of January and July.

#### (V.) Invoices.

For all articles issued a receipt shall be given upon the original requisition by the officer receiving them, and as promptly as practicable, but on or before the expiration of the quarter; the duplicate connected to conform to the receipted requisition shall be transmitted to the officer receiving the articles issued as an invoice.

#### (VI.) Expenditures.

All articles which have been totally consumed in the service, as well as may be rendered unfit for further use and of no value are to be accounted for as expended, on a certificate of expenditure (form 3).

#### (VII.) Transfer.

Transfers of property from one office to another shall be made only upon the order of the President of the Board, invoices and receipts being exchanged.

#### (VIII.) Condemned Property.

All articles deemed entirely unfit for use shall be reported to the President of the Board, who shall cause the same to be inspected and condemned if found unfit for use, and the same shall be reported to the Board for disposal according to law.

#### (IX.) Examination and Compilation of Returns.

(1.) The returns, when received, shall without delay be examined by the Property Clerk, and, if found incorrect, he shall send back the return for correction without delay. In case of any deficiency, he shall promptly report the same to the Board in writing.

(2.) The Property Clerk shall, immediately upon the completion of the examination of the returns, compile the same on the Consolidated Return Blank or Form, and forward the latter to the Board within ten days after expiration of each half-year.

(3.) The Property Clerk shall, upon the completion of the examination of the returns, prepare a schedule of all articles reported therein as lost or destroyed, and forward the same to the Board for approval or disapproval.

#### (X.) Expenditure of Money.

(1.) In case articles called for on requisition are not on hand in the Department the Property Clerk shall make requisition therefor with an estimate of their cost in detail, and forward the same to the Board. If the purchase of the article is ordered the requisition shall be referred to the Secretary for that purpose; or if it be necessary to obtain them under contract the requisition shall be referred to him for preparation of form of contract.

(2.) All articles, materials and supplies obtained under contract or otherwise shall in all cases be accompanied by bills in duplicate at the time of their delivery, and if found to be in good condition and in accordance with the bills they shall be certified to by the officer receiving the article as follows:

HEALTH DEPARTMENT, CITY OF NEW YORK,  
188 .

The articles named in this bill of \_\_\_\_\_, amounting to \$ \_\_\_\_\_, have been received in good order and condition, and are correct as to weight, measure and count, and are for the exclusive use of this Department.

(3.) When so certified, the bills shall be immediately transmitted to the Secretary, who shall, if the prices are found to be correct and as per his estimate, certify to them, as follows:

HEALTH DEPARTMENT, CITY OF NEW YORK,  
188 .

I hereby certify that the prices herein charged for the articles enumerated in this bill of \_\_\_\_\_ amounting to \$ \_\_\_\_\_, are correct, reasonable and just; and that the purchase of the same was duly authorized (as per requisition, contract or resolutions), dated \_\_\_\_\_, 188 .

Secretary.

(4.) The bills shall thereupon be transmitted to the Auditing Clerk, who shall examine the same as to their correctness of extension, etc., and prepare the original for audit by this Board and transmission to the Finance Department for payment. When audited, the duplicate bill shall be filed in the Invoice Book by the Auditing Clerk.

#### Action of the Board on Plans for Light and Ventilation of Tenement-houses.

Resolved, That the following plans for light and ventilation of tenement-houses be and are hereby approved as follows, and upon the conditions contained in the several permits granted.

Plan No. 2290-2, for one tenement at Nos. 63 and 65 Vesey street.  
Plan No. 2311-2, for one tenement on the south side of West Fiftieth street, one hundred feet north of Eleventh avenue.

Plan No. 2346, for one tenement at No. 349 East Seventieth street, as amended.

Plan No. 2390, for one tenement at No. 215 East Twenty-sixth street.

Plan No. 2391, for two tenements on the southwest corner of First avenue and One Hundred and Sixth street, as amended.



Plan No. 2392, for four tenements on the south side of Ninetieth street, one hundred feet west of Second avenue.  
 Plan No. 2393, for three tenements on the north side of Eighty-first street, two hundred feet east of Second avenue.  
 Plan No. 2394, for one tenement on the north side of Sixty-ninth street, two hundred feet east of Second avenue.  
 Plan No. 2395, for one tenement at No. 316 West Fifty-second street.  
 Plan No. 2396, for one tenement at No. 314 West Fifty-second street.  
 Plan No. 2397, for one tenement on the side of Fifty-sixth street, two hundred feet east of Tenth avenue.  
 The weekly report of inspections of tenement-houses in course of erection was received and ordered on file.

#### Plumbing and Drainage of New Houses.

Resolved, That plans for the plumbing and drainage of new houses be and are hereby approved as follows, and upon the conditions contained in the several specifications therefor, viz.:  
 Plan No. 2014, for two dwellings on the west side of Fifth avenue, fifty feet south of Tenth street.  
 Plan No. 2015, for two tenements on the southwest corner of First avenue and One Hundred and Sixth street.  
 Plan No. 2016, for one store-house at Nos. 27 and 29 East Seventeenth street; conditionally.  
 Plan No. 2017, for one fire-engine house at No. 742 East Fifth street; conditionally.  
 Plan No. 2018, for one tenement on the north side of Sixty-ninth street, two hundred feet east of Second avenue, as amended.  
 Plan No. 2019, for one tenement at No. 215 East Twenty-sixth street.  
 Plan No. 2020, for one tenement on the south side of East One Hundred and Twentieth street, one hundred and fifty feet east of First avenue; conditionally.  
 Plan No. 2021, for one tenement at No. 204 Madison street.  
 Plan No. 2022, for one tenement on the south side of One Hundred and Twelfth street, one hundred and twenty-five feet west of First avenue, as amended.  
 Plan No. 2023, for one factory on the southwest corner of Greenwich and Vestry streets; and  
 Plan No. 2024, for one tenement on the north side of Fifty-sixth street, two hundred feet east of Tenth avenue; conditionally.  
 The weekly reports of Assistant Sanitary Engineers on the plumbing and drainage of new houses were received and ordered on file.

#### Sanitary Bureau.

The following is a record of the work performed in the Sanitary Bureau for the week ending December 29, 1883:

The total number of inspections made by the Sanitary and Assistant Sanitary Inspectors was 1,185, as follows, viz.: 2 public buildings, 505 tenement-houses, 72 private dwellings, 32 other dwellings, 9 manufactories and workshops, 16 stores and warehouses, 8 other buildings, 27 stables, 39 slaughter-houses, 1 lodging-house, 1 public sewer, 10 sunken and vacant lots, 63 yards, courts and areas, 64 cellars and basements, 148 waste pipes and drains, 166 privies and water-closets, 11 streets, gutters, and sidewalks, 4 dangerous stairways, 4 smoky chimneys, 4 cesspools, 7 other nuisances.  
 The number of reports thereon received from the Inspectors was 422.  
 During the past week 119 complaints were received from citizens and referred to the Sanitary Inspectors for investigation and report.

42 permits were issued to the consignees of vessels to discharge cargoes, on vouchers from the Health Officer of the Port.  
 27 permits were granted scavengers to empty, clean and disinfect privy sinks.

The Disinfecting Corps have visited 95 premises where contagious diseases were reported, and have disinfected 88 premises, together with clothing, bedding, etc.  
 Two cases of contagious disease were removed to the Hospital by the Ambulance Corps.

#### Bureau of Vital Statistics.

The certificates of 457 births, 49 still-births, 256 marriages and 563 deaths, reported to have taken place in this city, were received by this Bureau during the week ending Saturday, December 29, 1883. This shows a decrease of 88 births, 8 still-births and 54 deaths, and an increase of 106 marriages, when compared with the number received during the preceding week; but when compared with the corresponding week of the year 1882, there was a decrease of 164 births, 7 still-births and 18 deaths, and an increase of 7 marriages. Compared with the mortality reported during the preceding week, the deaths from measles decreased 8; typhus fever, 3; cerebro-spinal fever, 1; puerperal diseases, 4; rheumatism and gout, 1; phthisis pulmonalis, 11; heart diseases, 23; meningitis and encephalitis, 5; apoplexy, 7; all diseases of the brain and nervous system, 16; gastritis, enteritis and peritonitis, 14; Bright's disease and nephritis, 19; premature and preterm births, 1; suicide, 1; while the deaths from scarlatina increased 3; diphtheria, 7; croup, 3; whooping cough, 1; erysipelas, 3; malarial diseases, 3; diarrhoeal diseases, 5; alcoholism, 3; cancer, 6; bronchitis, 7; pneumonia, 12; aneurism, 2; marasmus, tabes mesenterica, and scrofula, 3; hydrocephalus and tubercular meningitis, 1; cyanosis and atelectasis, 5. The number of deaths from typhoid fever, inanition, convulsions, cirrhosis and hepatitis, and drowning was the same in the two successive weeks.

Deaths from the principal Zymotic Diseases, Phthisis Pulmonalis, Pneumonia, Bronchitis, and Children under five years of age, reported during the week and compared with the three preceding weeks.

WEEK ENDING—		Small-Pox.	Measles.	Scarlatina.	Diphtheria.	Membranous Croup.	Whooping Cough.	Typhus Fever.	Typhoid Fever.	Cerebro-Spinal Fever.	Remittent, Intermittent, Typho-Malarial, Congestive and Simple Continued Fevers.	Diarrhoeal Diseases.	Phthisis Pulmonalis.	Pneumonia.	Bronchitis.	Diseases of the Nervous System.	Diseases of the Urinary System.	DEATHS OF CHILDREN.		
																		Under 1 year of age.	Under 2 years of age.	Under 5 years of age.
December 8, 1883.	..	6	10	22	17	3	..	3	6	3	9	110	61	26	49	26	116	161	207	
" 15, "	..	11	4	22	12	6	..	7	1	6	9	100	84	45	51	36	127	167	211	
" 22, "	..	13	7	19	13	1	3	5	3	4	13	112	61	36	62	52	110	141	178	
" 29, "	..	5	10	26	16	2	..	5	2	7	18	101	73	43	46	34	124	155	197	
Total.....	..	35	31	89	58	12	3	20	12	20	49	423	279	150	208	148	477	624	793	

The ages of 124 of the persons who died during the week were reported to be under one year, 155 under two years, 197 under five years, and 43 seventy years and over, which shows that the number of deaths of children under five years of age was 19 more than the number reported during the preceding week, and represent 34.99 per cent. of the total weekly mortality.

Deaths reported from Small-pox, Measles, Scarlatina, Diphtheria, Membranous Croup, Whooping Cough, Typhus, Typhoid, Cerebro-Spinal, and Malarial Fevers, in Institutions, Tenement and other Dwellings, with Average Age, Floor, and Ward where the Death occurred, and the Hour of Death, for the week ending December 29, 1883.

DISEASE.	In Houses containing 3 Families and under.	In Houses containing over 3 Families.	Canal Boats.	Hotels and Boarding-houses.	Institutions.	FLOOR.										AVERAGE AGE.			
						Basement.	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Top.	Not Stated.	Years.	Months.	Days.		
Small-pox.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles.....	1	3	..	..	1	..	1	..	2	1	..	..	..	..	2	3	26	..	..
Scarlatina.....	2	8	..	..	..	2	4	3	1	..	..	..	..	2	10	28	..	..	
Diphtheria.....	6	20	..	..	1	8	8	3	6	..	..	..	..	3	11	29	..	..	
Membranous Croup.....	3	13	..	..	..	6	3	6	1	..	..	..	..	2	8	7	..	..	
Whooping Cough.....	..	2	..	..	..	..	..	1	..	1	..	..	..	2	5	27	..	..	
Typhus Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Typhoid Fever.....	1	1	..	..	3	..	1	..	1	..	..	..	..	29	2	18	..	..	
Cerebro-Spinal Fever.....	..	1	..	..	1	..	..	..	..	..	..	..	..	2	3	9	..	..	
Malarial Fevers.....	2	4	..	..	..	3	2	..	1	..	..	..	..	31	2	20	..	..	

DISEASE.	WARDS.																								TOTAL DEATHS.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.	Twelfth.	Thirteenth.	Fourteenth.	Fifteenth.	Sixteenth.	Seventeenth.	Eighteenth.	Nineteenth.	Twentieth.	Twenty-first.	Twenty-second.	Twenty-third.	Twenty-fourth.	
Small-pox.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles.....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	..	2	..	..	..	5
Scarlatina.....	..	..	..	..	..	2	1	..	..	..	1	1	..	..	..	1	..	1	1	..	1	1	..	..	10
Diphtheria.....	..	..	..	..	..	1	..	..	2	..	1	..	..	2	7	2	6	1	2	..	2	..	..	..	26
Membranous Croup...	..	..	..	..	..	..	1	..	3	1	3	..	..	..	..	2	1	2	1	..	2	..	..	..	16
Whooping Cough....	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2
Typhus Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Typhoid Fever.....	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	1	1	..	..	..	..	..	5
Cerebro-Spinal Fever	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	2
Malarial Fevers.....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	1	..	2	..	6

#### Hours at which Deaths Occurred.

DISEASE.	A. M.												P. M.												Totals.
	1 o'clock.	2 o'clock.	3 o'clock.	4 o'clock.	5 o'clock.	6 o'clock.	7 o'clock.	8 o'clock.	9 o'clock.	10 o'clock.	11 o'clock.	12 o'clock.	1 o'clock.	2 o'clock.	3 o'clock.	4 o'clock.	5 o'clock.	6 o'clock.	7 o'clock.	8 o'clock.	9 o'clock.	10 o'clock.	11 o'clock.	12 o'clock.	
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	1	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	5
Scarlatina .....	1	..	1	..	..	2	..	..	..	1	..	..	1	..	1	..	..	..	..	..	3	..	..	..	10
Diphtheria .....	1	..	2	..	..	1	1	3	..	1	3	..	3	2	1	1	..	3	2	2	..	2	..	..	26
Membranous Croup.....	..	1	..	1	..	2	1	..	..	..	3	2	1	..	2	1	..	2	1	..	2	..	..	..	16
Whooping Cough....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2
Typhus Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Typhoid Fever.....	1	..	1	1	..	..	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	5
Cerebro-Spinal Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	2
Malarial Fevers.....	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	1	..	1	..	1	..	1	..	..	6

Of the total number of deaths reported for the week, 98 were in institutions, 329 in tenement-houses, 117 in houses containing three families or less, 9 in hotels and boarding-houses, 7 in rivers, streets, boats, etc.; 6 were on the basement floor, 106 on the first, 162 on the second, 101 on the third, 57 on the fourth, 23 on the fifth, 0 on the sixth; 563 were stated to be residents of New York City and 0 non-residents; 58 were stated to be single, 146 married, 62 widowed, and the condition of 297 was not stated—these were children who had not attained a marriageable age.

The total number of burial permits issued during the week are as follows, viz.: City deaths, 563; still-births, 49; bodies in transitu, 17. Of the total burial permits issued for city and still-births 69 were upon certificates received from the Coroners; 457 births, 256 marriages, 49 still-births, 563 deaths, 17 applications for transit permits were recorded, indexed, and tabulated, 72 searches of the registers of births, marriages, and deaths were made, and 4 transcripts of the birth record, 4 of marriage, and 41 of death were issued during the week.

The mean temperature for the week ending December 29, 1883, was 25.7 degrees Fahr., the mean reading of the barometer was 29.893, the mean humidity was 95, saturation being 100, the number of miles traveled by the wind was 1,386, and the total amount of rain-fall was 1.60 inches depth of water, as reported by D. Draper, Ph. D., Director of the New York Meteorological Observatory, Central Park.

The disposition of 548 deaths and still-births, or 89.54 per cent. of the total number reported, was in the following 14 cemeteries: Bayside (Jewish), 20; Calvary (Roman Catholic), 236; City pauper burial ground (undenominational), 53; Greenwood (undenominational), 27; Lutheran (undenominational), 93; Cypress Hills (undenominational), 20; Evergreen (undenominational), 32; Woodlawn (undenominational), 26; St. Michael's (Protestant Episcopal), 11; Union (Methodist Protestant), 2; Holy Cross (Roman Catholic), 5; Machpelah, L. I. (Jewish), 4; St. Raymond's (Roman Catholic), 9; Washington (undenominational), 10.

The distribution of deaths (actual mortality) for the week ending December 22, 1883, was in the following wards, viz.: First, 4; Second, 0; Third, 1; Fourth, 13; Fifth, 10; Sixth, 5; Seventh, 19; Eighth, 14; Ninth, 24; Tenth, 18; Eleventh, 34; Twelfth, 75; Thirteenth, 24; Fourteenth, 12; Fifteenth, 6; Sixteenth, 20; Seventeenth, 32; Eighteenth, 26; Nineteenth, 105; Twentieth, 38; Twenty-first, 52; Twenty-second, 46; Twenty-third, 14; Twenty-fourth, 2.

The actual mortality for the week ending December 22, 1883, was 594; this is 1 less than the number that occurred during the corresponding week of the year 1882, and 2 less than the average of the corresponding weeks of the past five years, and represents an annual death-rate of 23.11 per 1,000 persons living, the population estimated at 1,336,159.

The annual death-rate per 1,000 persons living, of the estimated or enumerated population, according to the most recent weekly returns of Philadelphia was 21.79; Brooklyn, 18.31; Baltimore, 25.04; Boston, 25.88; New Orleans, 31.86; Richmond, 18.86; Charleston, 38.79; Erie, 11.25; Lowell, 18.78; Worcester, 14.78; Cambridge, 22.16; Fall River, 9.58; Lynn, 19.25; New Bedford, 10.65; Holyoke, 18.16; Chelsea, 12.94; Taunton, 16.12; Gloucester, 5.04; Pitts-burgh, 17.5. Foreign cities—Weekly returns—London, 22.7; Liverpool, 25.3; Birmingham, 24.3; Manchester, 29.2; Dublin, 32.0; Belfast, 20.7; Cork, 36.3; Brussels, 26.2; Antwerp, 21.3; Paris, 24.5; Rome, 25.0; Turin, 26.0; Venice, 27.5; Berlin, 24.7; Breslau, 26.7; Vienna, 24.5; Stockholm, 22.4; Amsterdam, 31.6; Rotterdam, 25.3; The Hague, 18.2; Bombay, 23.42; Madras, 39.5; Geneva with suburbs, 33.5; Basel, 22.6; Bern, 26.0; St. Petersburg, 34.3; Warsaw, 24.47; Salford, 26.9; Liege, 26.4; Prague and suburbs, 30.0; Lisbon, 27.6. Monthly returns—Rio de Janeiro, 30.8; Rheims, 24.94.

By order of the Board,

EMMONS CLARK, Secretary.

#### APPROVED PAPERS

Resolved, That permission be and the same is hereby given to John O'Leary to place and retain a gas-lamp in front of his premises, No. 2172 Second avenue, the work to be done and gas supplied at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, December 19, 1883.

Approved by the Mayor, December 31, 1883.

Resolved, That permission be and the same is hereby given to Park & Tilford to erect and keep a lamp-post, to be used for an electric lamp, in front of their premises in Thirty-eighth street near Sixth avenue, the work to be done at their expense, under the direction of the Commissioner of Public Works.

Adopted by the Board of Aldermen, December 19, 1883.

Approved by the Mayor, December 31, 1883.

Resolved, That permission be and the same is hereby given to P. McEnroe to place and keep two ornamental lamps in front of his premises, No. 264 First avenue, said lamps to be within the stoop-line, the work to be done and gas supplied at his own expense, under the direction of the Commissioner of Public Works; such permission to continue only during the pleasure of the Common Council.

Adopted by the Board of Aldermen, December 19, 1883.

Approved by the Mayor, December 31, 1883.



## METEOROLOGICAL OBSERVATORY

OF THE

## DEPARTMENT OF PUBLIC PARKS

CENTRAL PARK, NEW YORK.

Latitude 40° 45' 58" N. Longitude 73° 57' 58" W. Height of Instruments above the Ground, 53 feet; above the Sea, 97 feet.

## ABSTRACT OF REGISTERS FROM SELF-RECORDING INSTRUMENTS,

For the Week ending January 5, 1884.

## Barometer.

DATE.	7 A. M.	2 P. M.	9 P. M.	Mean for the Day.	MAXIMUM.	MINIMUM.
DECEMBER AND JANUARY.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.	Reduced to Freezing.
Sunday, 30	30.012	29.964	29.982	29.986	30.042	29.962
Monday, 31	29.986	30.008	30.078	30.024	30.078	29.962
Tuesday, 1	29.998	29.900	29.800	29.899	30.036	29.712
Wednesday, 2	29.500	29.100	29.332	29.310	29.712	29.098
Thursday, 3	29.606	29.648	29.772	29.675	29.846	29.410
Friday, 4	30.000	29.948	29.996	29.981	30.012	29.846
Saturday, 5	29.990	29.900	29.888	29.926	30.000	29.888

Mean for the week..... 29.829 inches.  
 Maximum " at 9 P. M., December 31..... 30.078 "  
 Minimum " at 3 P. M., January 2..... 29.098 "  
 Range " ..... 980 "

## Thermometers.

DATE.	7 A. M.	2 P. M.	9 P. M.	MEAN.	MAXIMUM.	MINIMUM.	MAXIMUM.
DECEMBER AND JANUARY.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	Dry Bulb.	Wet Bulb.	In Sun.
Sunday, 30	25	25	38	35	33.0	31.6	39
Monday, 31	35	34	37	36	35.0	35.0	37
Tuesday, 1	33	33	34	34	33.6	33.6	35
Wednesday, 2	36	36	39	38	34.3	34.0	39
Thursday, 3	22	22	26	24	23	23.0	27
Friday, 4	14	14	19	16	16.7	15.3	20
Saturday, 5	9	9	11	10	10.0	9.7	13

Mean for the week..... 26.8 degrees.  
 Maximum for the week, at 12 M., 2d..... 39. " at 12 M., 2d..... 39. "  
 Minimum " " at 8 A. M., 5th..... 8. " at 8 A. M., 5th..... 8. "  
 Range " " ..... 31. " ..... 31. "

## Wind.

DATE.	DIRECTION.			VELOCITY IN MILES.				FORCE IN POUNDS PER SQUARE FOOT.				
DECEMBER AND JANUARY.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Distance for the Day.	7 A. M.	2 P. M.	9 P. M.	Max.	Time.
Sunday, 30....	N	NNW	SSE	20	11	13	44	0	0	0	¾	5.40 P.M.
Monday, 31....	ENE	NE	NE	30	39	49	118	0	¾	0	¾	10.40 P.M.
Tuesday, 1....	NNE	NE	ENE	78	47	64	189	0	1	2	2	9 P.M.
Wednesday, 2....	ENE	NE	W	107	68	106	281	0	0	7	10	10 P.M.
Thursday, 3....	WSW	W	WNW	169	127	111	407	4½	5¾	5¾	12¾	10.10 P.M.
Friday, 4....	WNW	WSW	W	152	117	85	354	½	2½	0	7¾	2.20 P.M.
Saturday, 5....	WNW	NW	NNW	91	75	76	242	¾	1	¾	2¾	1.30 P.M.

Distance traveled during the week..... 1,635 miles.  
 Maximum force " " ..... 12 1/2 pounds.

DATE. DECEMBER AND JANUARY.	Hygrometer.						Clouds.			Rain and Snow.				
	FORCE OF VAPOR.			RELA- TIVE HUMID- ITY.			CLEAR, 0. OVERCAST, 10.			DEPTH OF RAIN AND SNOW IN INCHES.				
	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Time of Beginning.	Time of Ending.	Duration. H. M.	Amount of Water.	Depth of Snow.
Sunday, 30	.135	.165	.191	100	72	90	3 Cir. Cu.	1 Cu.	9 Cu.	.....	.....	.....	.....	.....
Monday, 31	.183	.199	.191	90	90	90	10	10	10	4.30 A. M.	6 A. M.	1.30	.01	..
Tuesday, 1	.188	.196	.195	100	100	100	10	10	10	3.30 A. M.	10 P. M.	6.30	.07	..
Wed'n day, 2	.212	.238	.156	100	100	88	10	10	4 Cir. Cu.	8.30 P. M.	3.30	.01	..	..
Thurs'day, 3	.118	.106	.100	100	75	74	3 Cir.	0	0	0 A. M.	3.30 P. M.	15.30	.90	..
Friday, 4	.082	.056	.078	100	54	83	2 Cir. Cu.	0	0	.....	.....	.....	.....	..
Saturday, 5	.065	.057	.068	100	80	100	10	10	0	.....	.....	.....	.....	..

Total amount of water for the week..... .99 inch.

DANIEL DRAPER, PH. D., Director.

## EXECUTIVE DEPARTMENT.

## Appointments by the Mayor.

To be a Board of Examiners for all positions in Schedule B of the regulations prescribed by the Mayor for admission to the Civil Service of the City of New York:

CHARLES S. FAIRCHILD,  
J. SEAVER PAGE, and  
A. R. MACDONOUGH.

To be a Board of Examiners for all positions in Schedule C of the regulations prescribed by the Mayor for admission to the Civil Service of the City of New York, except positions as nurses, attendants, and orderlies in the city asylums and hospitals:

DAN. B. SMITH,  
ARTHUR H. DUNDON, and  
JAMES MOIR.

To be a Board of Examiners for positions as nurses, orderlies, and attendants in the city asylums and hospitals:

THOMAS H. BURCHARD, M. D.,  
F. TILDEN BROWN, M. D., and  
T. H. MANLEY, M. D.

WM. E. LUCAS,  
Secretary.

NEW YORK, January 8, 1884.

Notice is hereby given that the Board of Examiners for all positions in Schedule B, as specified in the regulations prescribed by the Mayor of the City of New York for the admission of persons into the Civil Service of said city, has this day been organized by the election of Augustus R. Macdonough as Chairman, and that blanks for applicants for positions included in said Schedule B can be obtained on and after January 15, 1884, from the Secretary of the Municipal Service Examining Board, No. 6 City Hall.

A. R. MACDONOUGH,  
CHAS. S. FAIRCHILD,  
J. SEAVER PAGE,  
Board of Examiners.

NEW YORK, January 8, 1884.

Notice is hereby given that the Board of Examiners for all positions as nurses, attendants and orderlies for the city hospitals and asylums in the Department of Public Charities and Correction, as specified in the regulations prescribed by the Mayor for the admission of persons into the Civil Service of the City of New York, has been organized by the election of Thomas H. Burchard, M. D., as Chairman and F. Tilden Brown M. D., as Recording Officer, and that blanks for applicants for positions as nurses, attendants and orderlies as aforesaid can be obtained on and after January 15, 1884, from the Secretary of the Municipal Service Examining Board, No. 6 City Hall.

THOMAS H. BURCHARD, M. D.,  
F. TILDEN BROWN, M. D.,  
THOMAS H. MANLEY, M. D.,  
Board of Examiners.

## 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.  
FRANKLIN EDSON, Mayor; AUGUSTUS WALSH, Chief Clerk; WILLIAM E. LUCAS, Secretary.

## Mayor's Marshal's Office.

No. 1 City Hall, 9 A. M. to 4 P. M.  
GEORGE A. McDERMOTT, First Marshal.

## Permit Bureau Office.

No. 13 1/2 City Hall, 9 A. M. to 4 P. M.  
HENRY WOLTMAN, Registrar.

## COMMISSIONERS OF ACCOUNTS.

No. 1 County Court-house, 9 A. M. to 4 P. M.  
GEO. EDWIN HILL, ANDREW B. MARTIN.

## AQUEDUCT COMMISSIONERS.

Room 78, Tribune Building, 9 A. M. to 5 P. M.  
THE MAYOR, President; JAMES W. McCULLOH, Secretary; BENJAMIN S. CHURCH, Chief Engineer.

## LEGISLATIVE DEPARTMENT.

## Office of Clerk of Common Council.

No. 8 City Hall, 10 A. M. to 4 P. M.  
President Board of Aldermen.

## City Library.

No. 12 City Hall, 10 A. M. to 4 P. M.

## DEPARTMENT OF PUBLIC WORKS.

## Commissioner's Office.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
HUBERT O. THOMPSON, Commissioner; FREDERICK H. HAMLIN, Deputy Commissioner.

## Bureau of Water Register.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
JOHN H. CHAMBERS, Register.

## Bureau of Incumbrances.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
JOSEPH BLUMENTHAL, Superintendent.

## Bureau of Lamps and Gas.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
STEPHEN McCORMICK, Superintendent.

## Bureau of Streets.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
JAMES J. MOONEY, Superintendent.

## Engineer in Charge of Sewers.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
STEPHENSON TOWLE, Engineer-in-Charge.

## Bureau of Chief Engineer.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
ISAAC NEWTON, Chief Engineer.

## Bureau of Street Improvements.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
GEORGE A. JEREMIAH, Superintendent.

## Bureau of Repairs and Supplies.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
THOMAS H. McAVOY, Superintendent.

## Bureau of Water Purveyor.

No. 31 Chambers street, 9 A. M. to 4 P. M.  
DAVID L. SMITH, Water Purveyor.

## Keeper of Buildings in City Hall Park.

MARTIN J. KEESE, City Hall.

## FINANCE DEPARTMENT.

## Comptroller's Office.

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

## Auditing Bureau.

No. 19 New County Court-house, 9 A. M. to 4 P. M.  
WM. J. LYON, Auditor of Accounts.

Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents.

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

Bureau for the Collection of City Revenues and of Markets.

No. 6 New County Court-house, 9 A. M. to 4 P. M.  
FRANCIS TOMES, Collector of City Revenue and Superintendent of Markets.

THOMAS F. DE VOE, Deputy 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 the City Chamberlain.

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

Office of the City Paymaster.

Room 1, New County Court-house, 9 A. M. to 4 P. M.  
MORRIS FALLS, City Paymaster.

## LAW DEPARTMENT.

## Office of the Counsel to the Corporation.

Staats Zeitung Building, third floor, 9 A. M. to 4 P. M.  
Saturdays, 9 A. M. to 4 P. M.  
GEORGE P. ANDREAS, 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.

## POLICE DEPARTMENT.

## Central Office.

No. 360 Mulberry street, 9 A. M. to 4 P. M.  
STEPHEN B. FRENCH, President; SETH C. HAWLEY, Chief Clerk; JOHN J. O'BRIEN, Chief Bureau of Elections.

## DEPARTMENT OF CHARITIES AND CORRECTION.

## Central Office.

No. 66 Third avenue, corner Eleventh street, 8.30 A. M. to 5.30 P. M.  
H. H. PORTER, President; GEORGE F. BRITTON, Secretary.

## FIRE DEPARTMENT.

## Headquarters.

Nos. 155 and 157 Mercer street.  
CORNELIUS VAN COTT, President; CARL JUSSEN, Secretary.

## Bureau of Chief of Department.

ELI BATES, Chief of Department.

## Bureau of Inspector of Combustibles.

PETER SEERY, Inspector of Combustibles.

## Bureau of Fire Marshal.

GEORGE H. SHELTON, Fire Marshal.

## Bureau of Inspection of Buildings.

WM. P. ESTERBROOK, Inspector of Buildings.

Office hours, Headquarters and Bureaus, from 9 A. M. to 4 P. M. Saturdays, 3 P. M.

## Attorney to Department.

WM. L. FINDLEY, Nos. 155 and 157 Mercer street and No. 120 Broadway.

## Fire Alarm Telegraph.

J. ELLIOT SMITH, Superintendent of Telegraph, Nos. 155 and 157 Mercer street.

## Repair Shops.

Nos. 128 and 130 West Third street.

JOHN McCABE, Chief of Battalion-in-Charge, 8 A. M. to 5 P. M.

## Hospital Stables.

99th street, between 9th and 10th avenues (temp. rary).  
JOSEPH SHEA, Superintendent of Horses.

## HEALTH DEPARTMENT.

No. 301 Mott street, 9 A. M. to 4 P. M.

ALEXANDER SHALER, President; EMMONS CLARK, Secretary.

## DEPARTMENT OF PUBLIC PARKS.

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

SALEM H. WALES, President; EDWARD P. BARKER, Secretary.

## Civil and Topographical Office.

Arsenal, 64th street and 5th avenue, 9 A. M. to 5 P. M.

Office of Superintendent of 23d and 24th Wards.

146th street and 3d avenue, 9 A. M. to 5 P. M.

## DEPARTMENT OF DOCKS.

Nos. 117 and 119 Duane street, 9 A. M. to 4 P. M.

LUCIUS J. N. STARK, President; JOHN T. CUMING, Secretary.

## DEPARTMENT OF TAXES AND ASSESSMENTS.

Staats Zeitung Building, Tryon Row, 9 A. M. to 4 P. M.

THOMAS B. ASTEN, President; FLOYD T. SMITH, Secretary.

Office Bureau Collection of Arrears of Personal Taxes.

Brown-stone Building, City Hall Park, 9 A. M. to 4 P. M.

CHARLES S. BEARDSLEY, Attorney; WILLIAM COMERFORD, Clerk.

## DEPARTMENT OF STREET CLEANING.

31 and 32 Park Row, "World" Building, Rooms 8 and 9, 9 A. M. to 4 P. M.

JAMES S. COLEMAN, Commissioner; A. H. ROGERS, Deputy Commissioner; M. J. MORRISON, Chief Clerk.



## BOARD OF ASSESSORS.

Office City Hall, Room No. 11½, 9 A. M. to 4 P. M.  
JOHN R. LYDECKER, Chairman; WM. H. JASPER,  
Secretary.

## BOARD OF EXCISE.

Corner Bond street and Bowery, 9 A. M. to 4 P. M.  
NICHOLAS HAUGHTON, President; BENJAMIN F. HAS-  
KIN, Secretary and Chief Clerk.

## SHERIFF'S OFFICE.

Nos. 3 and 4 New County Court-house, 9 A. M. to 4 P. M.  
ALEXANDER V. DAVIDSON, Sheriff; JOEL O. STEVENS,  
Under Sheriff; DAVID MCGONIGAL, Order Arrest Clerk.

## REGISTER'S OFFICE.

East side City Hall Park, 9 A. M. to 4 P. M.  
JOHN REILLY, Register; J. FAIRFAX McLAUGHLIN,  
Deputy Register.

## COMMISSIONER OF JURORS.

No. 17 New County Court-house, 9 A. M. to 4 P. M.  
GEORGE CAULFIELD, Commissioner; JAMES E. CONNER,  
Deputy Commissioner.

## COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A. M. to 4 P. M.  
PATRICK KEENAN, County Clerk; H. STEVENSON  
BEATTIE, Deputy County Clerk.

## DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park, 6  
A. M. to 4 P. M.  
PETER B. OLNEY, District Attorney; HUGH DONNELLY,  
Chief Clerk.

## THE CITY RECORD OFFICE.

And Bureau of Printing, Stationery, and Blank Books.  
No. 2 City Hall, 8 A. M. to 5 P. M., except Saturdays, on  
which days 8 A. M. to 3 P. M.  
THOMAS COSTIGAN, Supervisor; R. P. H. ABELL, Book-  
keeper.

## CORONERS' OFFICE.

Nos. 13 and 15 Chatham street.  
PHILIP MERKLE, FERDINAND LEVY, BERNARD F. MAR-  
TIN and WILLIAM H. KENNEDY, Coroners; JOHN T.  
TOAL, Clerk of the Board of Coroners.

## SUPREME COURT.

Second floor, New County Court-house, 10½ A. M. to 3 P. M.  
General Term, Room No. 9.  
Special Term, Room No. 10.  
Chambers, Room No. 11.  
Circuit, Part I., Room No. 12.  
Circuit, Part II., Room No. 13.  
Circuit, Part III., Room No. 14.  
Judges' Private Chambers, Room No. 15.  
Naturalization Bureau, Room No. 32.  
Clerk's Office, 9 A. M. to 4 P. M., Room No. 31.  
JOHN SEDGWICK, Chief Justice; THOMAS BOESE, Chief  
Clerk.

## SUPERIOR COURT.

Third floor, New County Court-house, 11 A. M.  
General Term, Room No. 29.  
Special Term, Room No. 33.  
Chambers, Room No. 34.  
Part I., Room No. 35.  
Part II., Room No. 36.  
Part III., Room No. 37.  
Judges' Private Chambers, Room No. 30.  
Naturalization Bureau, Room No. 32.  
Clerk's Office, 9 A. M. to 4 P. M., Room No. 31.  
JOHN SEDGWICK, Chief Justice; THOMAS BOESE, Chief  
Clerk.

## COURT OF COMMON PLEAS.

Third floor, New County Court-house, 11 A. M.  
Clerk's Office, 9 A. M. to 4 P. M., Room No. 22.  
General Term, Room No. 24.  
Special Term, Room No. 21.  
Chambers, Room No. 25.  
Part I., Room No. 26.  
Part II., Room No. 27.  
Part III., Room No. 28.  
Naturalization Bureau, Room No. 32.  
Clerk's Office, 9 A. M. to 4 P. M., Room No. 31.  
JOHN SEDGWICK, Chief Justice; NATHANIEL JARVIS,  
Jr., Chief Clerk.

## COURT OF GENERAL SESSIONS.

No. 32 Chambers street. Parts I. and II.  
FREDERICK SMYTH, Recorder, Presiding Judge of the  
General Sessions; HENRY A. GILDERSLEEVE and RUFUS  
B. COWING, Judges.  
Terms, first Monday each month.  
JOHN SPARKS, Clerk.

## CITY COURT.—CITY HALL.

General Term, Room No. 20.  
Trial Term, Part I., Room No. 20.  
Part II., Room No. 19.  
Part III., Room No. 15.  
Special Term, Chambers, Room No. 21, 10 A. M. to 4 P. M.  
Clerk's Office, 9 A. M. to 4 P. M., Room No. 10, City Hall.  
GEORGE SHEA, Chief Justice; JOHN SAVAGE, Clerk.

## OVER AND TERMINER COURT.

General Term, New County Court-house, second floor,  
southeast corner, Room No. 13, 10:30 A. M.  
Clerk's Office, Brown-stone Building, City Hall Park,  
second floor, northwest corner.

## COURT OF SPECIAL SESSIONS.

At Tombs, corner Franklin and Centre streets, Daily  
at 10:30 A. M., excepting Saturday.  
Clerk's Office, Tombs.

## DISTRICT CIVIL COURTS.

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

THE COLLEGE OF THE CITY OF  
NEW YORK.

A STATED MEETING OF THE BOARD OF  
Trustees of the College of the City of New York,  
will be held at the Hall of the Board of Education, No.  
146 Grand street, on Tuesday, January 15, 1884, at 4  
o'clock P. M.

LAWRENCE D. KIERNAN,  
Secretary.

January 8, 1884.

## CORPORATION NOTICE.

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

No. 1. Alteration and improvement to sewer in Seventh  
street, between Avenues C and D.

The limit embraced by such assessments includes all  
the several houses and lots of ground, vacant lots, pieces  
and parcels of land situated on—

No. 1. Both sides of Seventh street, between Avenues  
C and D.

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

The above-described lists will be transmitted, as pro-  
vided by law, to the Board of Revision and Correction of  
Assessments for confirmation, on the 21st January, 1884.

JOHN R. LYDECKER,  
JOHN W. JACOBUS,  
JOHN MULLALLY,  
HENRY A. GUMBLETON,  
Board of Assessors.

OFFICE OF THE BOARD OF ASSESSORS,  
No. 11½ CITY HALL,  
NEW YORK, Dec. 18, 1883.

## POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK,  
OFFICE OF THE PROPERTY CLERK (Room No. 39).  
No. 300 MULBERRY STREET,  
NEW YORK, 1883.

OWNERS WANTED BY THE PROPERTY  
Clerk of the Police Department of the City of New  
York, No. 300 Mulberry street, Room No. 39, for the  
following property, now in his custody, without claim-  
ants: Boats, rope, iron, lead, male and female clothing,  
boots, shoes, wine, blankets, diamonds, canned goods,  
liquors, etc., also small amount money taken from  
prisoners and found by patrolmen of this Department.

JOHN F. HARRIOT,  
Property Clerk.

DEPARTMENT OF TAXES AND  
ASSESSMENTS.

DEPARTMENT OF TAXES AND ASSESSMENTS,  
STAATZ ZEITUNG BUILDING,  
NEW YORK.

IN COMPLIANCE WITH SECTION 217 OF THE  
City Consolidation Act of 1852, it is hereby adver-  
tised that the books of "The Annual Record of the As-  
sessed Valuations of Real and Personal Estate" of the  
City and County of New York, for the year 1884, will be  
open for examination and correction from the second  
Monday of January, 1884, until the first day of May, 1884.  
All persons believing themselves aggrieved must make  
application to the Commissioners of Taxes and Assess-  
ments, at this office, during the period said books are  
open, in order to obtain the relief provided by law.

Applications for correction of assessed valuations on  
personal estate must be made by the person assessed,  
to the said Commissioners, between the hours of 10 A. M.  
and 2 P. M. at this office during the same period.

THOMAS B. ASTEN,  
EDWARD C. DONNELLY,  
THOMAS L. FEITNER,  
Commissioners of Taxes and Assessments.

## DEPARTMENT OF DOCKS.

(Work of Construction under New Plan.)

DEPARTMENT OF DOCKS,  
117 AND 119 DUANE STREET.

## TO CONTRACTORS.

(No. 200.)

PROPOSALS FOR ESTIMATES FOR PREPARING  
FOR AND BUILDING A NEW WOODEN PIER,  
WITH A TEMPORARY APPROACH THERETO,  
AT THE FOOT OF WEST FORTY-FOURTH  
STREET, NORTH RIVER.

ESTIMATES FOR PREPARING FOR AND  
building a New Wooden Pier, including an ap-  
proach, with their appurtenances, at the foot of West  
Forty-fourth street, North river, will be received by the  
Board of Commissioners at the head of the Department  
of Docks, at the office of said Department, Nos. 117 and  
119 Duane street, in the City of New York, until 12  
o'clock M. of

FRIDAY, JANUARY 11, 1884,

at which time and place the estimates will be publicly  
opened by the head of said Department. The award of  
the contract, if awarded, will be made as soon as prac-  
ticable after the opening of the bids.

Any person making an estimate for the work, shall  
furnish the same in a sealed envelope to said Board,  
at said office, on or before the day and hour above  
named, which envelope shall be indorsed with the name  
or names of the person or persons presenting the same,  
the date of its presentation, and a statement of the work  
to which it relates.

The Engineer's estimate of the nature, quantities and  
extent of the work, is as follows:

CLASS I.  
Dredging, about.....1,800 cubic yards.

CLASS 2.  
Wooden pier and approach complete, containing about  
the following quantities:

	NEW PIER.	Feet B. M., measured in the work.
1. Yellow Pine timber, 12"x12".....	120,312	
" " 8"x15".....	280	
" " 8"x14".....	261	
" " 6"x12".....	360	
" " 6"x12".....	3,568	
" " 6"x12".....	4,140	
" " 8"x 8".....	9,436	
" " 5" plank.....	31,500	
" " 5"x10".....	21,367	
" " 4"x10".....	1,160	
" " 4" plank.....	94,800	
" " 2"x 4".....	6,922	
Total.....	299,326	

2. Spruce Timber, 3" plank.....	76,302
3. White Oak Timber, 8"x12".....	12,320
" " 6"x 8".....	40
Total.....	12,360

NOTE.—The above quantities of timber are exclu-  
sive of extra lengths required for scarfs, laps, etc.,  
and of waste.

4. White Pine, Yellow Pine or Cypress piles.... 635  
(The piles for the outer 150 feet in length of the  
new pier will be from about 85 to 75 feet in length,  
and for the remaining portion of the new pier they  
will be from about 75 feet in length to about 50 feet  
in length, to comply with the specifications for driv-  
ing.)

5. Yellow or White Pine Mooring Posts.....	20
6. ¾"x22", ¾"x12", ¾"x18", ¾"x16", ¾"x12", ¾"x10", ¾"x9", ¾"x8", and ¾"x7" square, and ¾"x12", ¾"x9", ¾"x8", ¾"x5" round, wrought iron dock spikes, about....	32,141 pounds.
7. Boiler-plate armatures and wrought- iron corner bands, about.....	18,576 "
8. 1½", 1", and ¾" wrought-iron Screw- bolts, about.....	9,540 "
9. Cast-iron Washers for 1½", 1", and ¾" crew bolts, about.....	6,435 "
10. Materials for painting and oiling or tarring.	
11. Labor every description, for an area of about 28,500 square feet of new pier.	

## APPROACH.

	Feet B. M., measured in the work.
12. Yellow Pine Timber, 12"x12".....	23,472
" " 6"x12".....	2,670
" " 8"x 8".....	2,032
" " 6" plank.....	5,160
" " 5"x12".....	5,500
" " 5"x10".....	1,525
" " 4"x10".....	80
" " 4" plank.....	45,808
" " 2"x 4".....	982
Total.....	87,229

NOTE.—The above quantities of timber are exclu-  
sive of extra lengths required for scarfs, laps,  
etc., and of waste.

14. White Pine, Yellow Pine, Cypress or Spruce  
piles for Approach..... 83  
(The piles for the approach will be from about 50  
feet to about 30 feet in length, to comply with the  
specifications for driving.)

15. White Pine, Yellow Pine, Cypress or Spruce  
piles for sewer..... 46

16. Yellow or White Pine Mooring Posts..... 2

17. Half-round Oak Fenders..... 10

18. ¾"x22", ¾"x20", ¾"x16", ¾"x14",  
¾"x12", ¾"x10", ¾"x9", ¾"x8",  
¾"x7" square, and ¾"x12",  
¾"x9", ¾"x8", and ¾"x7" square  
Dock Spikes, and 6" Cut Spikes,  
about..... 5,976 pounds. |

19. 1½" and 1" wrought-iron Screw-bolts,  
about..... 878 " |

20. Cast-iron Washers for 1½" and 1"  
screw bolts, about..... 617 " |

21. Earth-filling, about..... 2,500 cubic yards. |

22. Crib-work, complete, with all ap-  
purtenances, including backing  
logs, mooring posts, fender piles,  
etc., about..... 97,000 cubic feet. |

23. Materials for painting and oiling or tarring.  |

24. Labor of every description for the approach, com-  
plete, including box-drain, earthfilling, etc.

N. B.—As the above-mentioned quantities, though  
stated with as much accuracy as is possible, in advance,  
are approximate only, bidders are required to submit their  
estimates upon the following express conditions, which  
shall apply to and become part of every estimate received:

1. Bidders must satisfy themselves, by personal ex-  
amination of the location of the proposed work, and by  
such other means as they may prefer as to the accuracy  
of the foregoing Engineer's estimate, and shall not, at any  
time after the submission of an estimate, dispute or  
complain of the above statement of quantities, nor assert  
that there was any misunderstanding in regard to the  
nature or amount of the work to be done.

2. Bidders will be required to complete the entire  
work to the satisfaction of the Department of Docks,  
and in substantial accordance with the specifications of  
the contract. No extra compensation beyond the  
amount payable for the work to be mentioned, which  
shall be actually performed at the price there on, in each  
class, to be specified by the lowest bidder, shall be due  
or payable for the entire work.

The bidder to whom the award is made shall give  
security for the faithful performance of the contract, in  
the manner prescribed and required by ordinance, in the  
sum of twelve thousand dollars.

The work to be done under this contract is to be com-  
menced within five days after the date of the contract,  
and all the work contracted for is to be fully completed  
on or before the twenty-first day of July, 1884, and the  
damages to be paid by the contractor for each day that  
the contract may be unfulfilled after the time fixed for  
the fulfillment thereof has expired, are, by a clause in  
the contract, determined, fixed, and liquidated at Fifty  
Dollars per day.

All the old material to be taken from the bulkhead  
and the sunken canal boat, to be removed, will be relin-  
quished to the contractor, and bidders must estimate the  
value of such material when considering the price for  
which they will do the work under the contract.

Bidders will state in their estimates a price for the whole  
of the work to be done, in each class, in conformity with  
the approved form of agreement and the specifications  
therein set forth, by which price the bids will be tested.

This price is to cover all expenses of every kind involved  
in or incidental to the fulfillment of the contract, includ-  
ing any claim that may arise through delay, from any  
cause, in the performing of the work thereunder.

Bidders will distinctly write out, both in words and in  
figures, the amount of their estimates for doing this work.

The person or persons to whom the contract may be  
awarded will be required to attend at this office with the  
sureties offered by him or them, and execute the contract  
within five days from the date of the service of a notice to  
that effect; and in case of failure or neglect so to do, he  
or they will be considered as having abandoned it, and as  
in default to the Corporation; and the contract will be re-  
advertised and relet, and so on until it be accepted and  
executed.

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

Where more than one person is interested, it is requisite  
that the verification be made and subscribed to by all  
the parties interested.

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

in good faith and with the intention to execute the bond  
required by law. The adequacy and sufficiency of the  
security offered will be subject to approval by the Com-  
ptroller of the City of New York, after the award is  
made and prior to the signing of the contract.

No estimate will be received or considered unless accom-  
panied by either a certified check upon one of the national  
banks of the City of New York, drawn to the order of the  
Comptroller, or money, to the amount of five per centum  
of the amount of security required for the faithful  
performance of the contract. Such check or money must  
not be enclosed in the sealed envelope containing the esti-  
mate, but must be handed to the officer or clerk of the  
Department who has charge of the Estimate-book, and no  
estimate can be deposited in said box until such check or  
money has been examined by said officer or clerk and found  
to be correct. All such deposits, except that of the suc-  
cessful bidder, will be returned by the Comptroller to the  
persons making the same within three days after the con-  
tract is awarded. If the successful bidder shall refuse or  
neglect, within five days after notice that the contract has  
been awarded to him, to execute the same, the amount of  
the deposit made by him shall be forfeited to and retained  
by the City of New York as liquidated damages for such  
neglect or refusal; but if he shall execute the contract  
within the time aforesaid, the amount of his deposit will be  
returned to him by the Comptroller.

Bidders are informed that no deviation from the speci-  
fications will be allowed, unless under the written instruc-  
tions of the Engineer-in-Chief.

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

The right to decline all the estimates is reserved, if  
deemed for the interest of the Corporation of the City of  
New York.

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

LUCIUS J. N. STARK,  
WILLIAM LAMBEER,  
JOHN R. VOORHIS,

Commissioners of the Department of Docks.  
Dated New York, December 27, 1883.

DEPARTMENT OF DOCKS,  
Nos. 117 AND 119 DUANE STREET.

## TO CONTRACTORS.

(No. 201.)

PROPOSALS FOR ESTIMATES FOR PREPARING  
FOR AND BUILDING A CRIB BULKHEAD,  
WITH APPURTENANCES, FROM SEVENTY-  
NINTH STREET TO EIGHTIETH STREET,  
NORTH RIVER, AND FOR REPAIRING EX-  
ISTING PIER AT FOOT OF SEVENTY-NINTH  
STREET, NORTH RIVER.

ESTIMATES FOR PREPARING FOR AND  
building a crib bulkhead, with appurtenances, from  
Seventy-ninth street to Eightieth street, North river, and  
for repairing the existing pier at foot of Seventy-ninth  
street, North river, will be received by the Board of  
Commissioners at the head of the Department of Docks,  
at the office of said Department, Nos. 117 and 119 Duane  
street, in the City of New York, until 12 o'clock M. of

FRIDAY, JANUARY 11, 1884,

at which time and place the estimates will be publicly  
opened by the head of said Department. The award of  
the contract, if awarded, will be made as soon as prac-  
ticable after the opening of the bids.

Any person making an estimate for the work, shall  
furnish the same in a sealed envelope to said Board,  
at said office, on or before the day and hour above  
named, which envelope shall be indorsed with the name  
or names of the person or persons presenting the same,  
the date of its presentation, and a statement of the work  
to which it relates.

The bidder to whom the award is made shall give  
security for the faithful performance of the contract, in  
the manner prescribed and required by ordinance, in the  
sum of eleven thousand dollars.

The Engineer's estimate of the nature, quantities, and  
extent of the work, is as follows:

CLASS I.  
Dredging for the site of the crib bulk-  
head and in the slip in front of it,  
about..... 13,500 cubic yards. |

CLASS II.  
Crib bulkhead and wooden box drain complete, con-  
taining about the following quantities:

1. About 290,320 cubic feet, more or less, of crib work,  
complete, including fenders, mooring posts, and  
backing logs.

2. Wooden box drain complete, containing about the  
following quantities:

	Feet B. M., measured in the work.
(a.) Yellow Pine Timber, 10"x12".....	2,145
" " 10"x10".....	3,025
" " 6"x12".....	1,695
" " 6" plank.....	8,385
" " 4"x12".....	186
" " 4" plank.....	13,390
Total.....	28,826

(b.) 2" Spruce Plank, about..... 3,900 |

(c.) ¾"x20", ¾"x12", ¾"x10", and  
¾"x9" square wrought-iron  
Dock Spikes, about..... 2,080 pounds. |

(d.) 6" Cut Spikes, about..... 310 " |

(e.) Piles to be driven, about..... 56 |

The Department of Docks will furnish, free of  
charge to the contractor, as many of these piles  
as do not require to be over 21 feet in length. It is  
expected that about one-half of these piles will be  
not more than 21 feet in length, and the remainder  
from 21 to 36 feet in length, but the contractor will  
furnish, at his own expense, all those



4. White Pine, Yellow Pine, Cypress or Spruce piles..... 206  
(It is expected that the piles will have to be from about 45 feet in length to about 75 feet in length, to comply with the Specifications for driving).
5. Mooring Piles..... 6
6. Half-round Oak Fenders..... 24
7. Crib Logs, 38 to 47 feet long..... 34
8. Crib Logs (furnished by Department) about..... 135
9.  $\frac{7}{8}$ " x 29",  $\frac{7}{8}$ " x 22",  $\frac{7}{8}$ " x 18",  $\frac{3}{4}$ " x 16",  $\frac{3}{4}$ " x 14",  $\frac{3}{4}$ " x 12",  $\frac{3}{4}$ " x 10",  $\frac{3}{4}$ " x 8",  $\frac{3}{4}$ " x 6", and  $\frac{3}{4}$ " x 4" square, and  $\frac{3}{4}$ " x 12",  $\frac{3}{4}$ " x 8", and  $\frac{3}{4}$ " x 5" round, Wrought-iron Dock Spikes and 12d. Nails, about..... 12,500 pounds.
10.  $1\frac{1}{2}$ ", 1", and  $\frac{3}{4}$ " Wrought-iron Screw Bolts, about..... 2,120 "
11. Wrought-iron Armature Plates and Corner-bands, about..... 2,160 "
12. Cast-iron Pile Shoes and Cast-iron Washers, about..... 2,290 "
13. Crib stone, about..... 350 cub. yds.
14. Materials for Painting and Oiling or Tarring.
15. Labor of every description, including removal of old material, for about 8,750 square feet of Pier.

N. B.—As the above-mentioned quantities, though stated with as much accuracy as is possible, in advance, are approximate only, bidders are required to submit their estimates upon the following express conditions, which shall apply to and become part of every estimate received:

1st. Bidders must satisfy themselves, by personal examination of the location of the proposed work, and by such other means as they may prefer, as to the accuracy of the foregoing Engineer's estimate, and shall not, at any time after the submission of an estimate, dispute or complain of the above statement of quantities, nor assert that there was any misunderstanding in regard to the nature or amount of the work to be done.

2d. Bidders will be required to complete the entire work to the satisfaction of the Department of Docks, and in substantial accordance with the specifications of the contract. No extra compensation, beyond the amount payable for all classes of the work before mentioned, which shall be actually performed, at the prices therefor to be specified by the lowest bidder, shall be due or payable for the entire work.

The work to be done under the contract is to be commenced within five days after the date of the contract, and the entire work is to be fully completed on or before the Twenty-first day of July, 1884, and the damages to be paid by the contractor for each day that the contract or any part thereof, may be unfulfilled after the time or times fixed for the fulfillment thereof has expired, are, by a clause in the contract, fixed and liquidated at fifty dollars per day.

All the old material taken from the said existing pier, to be removed under this contract, will be relinquished to the contractor, and bidders must estimate the value of such material when considering the price for which they will do the work under the contract.

All the material excavated is to be removed by the contractor and deposited in all respects according to law; and any material dredged not so deposited will not be paid for.

Bidders will state in their estimates a price for the whole of the work to be done in each class, in conformity with the approved form of agreement and the specifications therein set forth, by which prices the bids will be tested. These prices are to cover all expenses of every kind involved in or incidental to the fulfillment of the contract, including any claim that may arise through delay, from any cause, in the performing of the work thereunder. The award of the contract, if awarded, will be made to the bidder who is the lowest in price for doing the whole of the work comprised in the three several classes, and whose estimate is regular in all respects.

Bidders will distinctly write out, both in words and in figures, the amount of their estimates for doing this work.

The person or persons to whom the contract may be awarded will be required to attend at this office with the sureties offered by him or them, and execute the contract within five days from the date of the service of a notice to that effect; and in case of failure or neglect to do so, he or they will be considered as having abandoned it, and as in default to the Corporation, and the contract will be readvertised and relet, and so on until it be accepted and executed.

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

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

No estimate will be received or considered unless accompanied by either a certified check upon one of the National Banks of the City of New York, drawn to the order of the Comptroller, or money to the amount of five per centum of the amount of security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk, and found to be correct. All such deposits, except that of the successful bidder, will be returned by the Comptroller to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him by the Comptroller.

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

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

The right to decline all the estimates is reserved, if deemed for the interest of the Corporation of the City of New York.

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

LUCIUS J. N. STARK,  
WILLIAM LAIMBEER,  
JOHN R. VOORHIS,  
Commissioners of the Department of Docks.  
Dated, New York, December 27, 1883.

#### PUBLIC NOTICE.

DEPARTMENT OF DOCKS,  
Nos. 117 AND 119 DUANE STREET.

FOR THE INFORMATION OF THE PUBLIC, and especially of those using the Wharf Property of the City of New York, the following extracts from the rules and regulations established for the guidance of the Dock Masters appointed by the Board governing this Department, and to be observed by them in the performance of their duties, are hereby promulgated and published:

Resolved, For the proper supervision of the waterfront of the city, the care of the wharf property located thereon placed in the charge of this Department, the rendering of necessary facilities for the prompt berthing of vessels thereat, and the collection of the wharfage accruing therefrom, that the waterfront of the City of New York be and hereby is arranged and divided into nine districts, and that for each of the said districts there shall be appointed, designated, or assigned, from time to time, at the pleasure of the Board, a suitable and competent person to be known and entitled as "Dock Master," who shall perform such duties and render such services in relation to the supervision, regulation, and occupation of the wharf property and waterfront in their respective districts, as the laws of the United States and of the State of New York, the ordinances of the City of New York, and the by-laws of this Board, and its rules, or orders, shall or may require, prescribe, or direct.

The several districts so made and created, and the Dock Masters assigned thereto, are as follows, to wit:

District No. 1.—Embracing all that portion of the East river, extending from Castle Garden, on the Battery, to and including Pier 21, East river.

Charles H. Thompson, Dock Master; office, 33 Coenties Slip.

District No. 2.—All that portion of the North river extending from Castle Garden, to and including Pier old 42, North river.

George W. Wannmaker, Dock Master; office, foot of Duane street, N. R.

District No. 3.—From east side Pier 21, East river, to and including Pier 55, East river.

Edward Abeel, Dock Master; office, 262 South street.

District No. 4.—From north side Pier, old 42, North river, to and including pier at foot of West Twenty-third street, North river.

John M. Smith, Dock Master; office, Pier, new 43, N. R.

District No. 5.—From north side Pier 55, East river, to north side of Thirty-fourth street, East river.

Bernard Kenney, Dock Master; office, foot of East Sixteenth street, E. R.

District No. 6.—From north side Pier at Twenty-third street, North river, to and including Pier at foot Fifty-ninth street, North river.

Edward Gilon, Dock Master; office, Pier, new 57, N. R.

District No. 7.—From north side of Thirty-fourth street, East river, to south side of Ninety-second street, East river.

Robert Hall, Dockmaster; office, 646 First avenue.

District No. 8.—From north side of Pier at Fifty-ninth street, North river, to Yonkers and Spuyten Duyvil Creek, from North river to Kingsbridge.

Theodore S. Croft, Dockmaster; office, foot of West Seventy-ninth street, N. R.

District No. 9.—From south side Ninety-second street, East river, to and including Bronx river, and also Harlem river, from East river to Kingsbridge.

John Callan, Dockmaster; office, foot of East One Hundred and Fourth street, Harlem river.

Resolved, That until otherwise ordered by this Board the following rules and instructions are issued for the guidance and observance of the several Dock Masters of the Department:

Each Dock Master shall promptly designate and assign in the order in which application is made, suitable and convenient berths, so far as practicable, within the limits of his district, for the use of such vessel and water craft as may require the same for the reception or discharge of passengers, merchandise, etc., therefrom or for the necessary repair or the safety of any vessel or water craft.

It shall be the duty of each Dock Master to require and enforce the due observance of and compliance with such of the national and State laws, city ordinances, and the rules, regulations and orders of the Department of Docks as appertain to the use, care, and custody of the wharf property of and about the City of New York, promptly reporting to the Board all violations and evasions of such laws, ordinances, rules, regulations and orders.

Each Dock Master is expressly prohibited, under penalty of immediate dismissal from his position, from receiving or demanding, directly or indirectly, any fee, gratuity, compensation, or article of value of any nature or kind, for the assignment of a berth to a vessel at any pier, slip, or wharf property whatsoever, or for the performance of or the omission to perform any of the duties required of or pertaining to the position of Dock Master of this Department.

Any person or persons having any cause of complaint against the Dock Masters for any failure or omission in the performance of the duties as required by the above rules, are requested to promptly communicate the same to this Board, at their offices, Nos. 117 and 119 Duane street.

By order of the Board,  
LUCIUS J. N. STARK,  
WILLIAM LAIMBEER,  
JOHN R. VOORHIS,  
Commissioners of the Department of Docks.  
JOHN T. CUMING, Secretary.  
New York, December 1, 1883.

#### FIRE DEPARTMENT.

HEADQUARTERS  
FIRE DEPARTMENT, CITY OF NEW YORK,  
155 AND 157 MERCER STREET,  
NEW YORK, December 26, 1883.

#### TO CONTRACTORS.

SEALED PROPOSALS FOR FURNISHING THIS Department with the following articles:

300,000 pounds Hay, of the quality and standard known as Good Sweet Timothy.  
60,000 pounds good clean Rye Straw.  
3,000 bags clean White Oats, 80 pounds to the bag.  
1,800 bags Fine Feed, 60 pounds to the bag.

—will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 155 and 157 Mercer street, in the City of New York, until 10 o'clock A. M., Wednesday, January 9, 1884, at which time and place they will be publicly opened by the head of said Department and read.

Proposals must include all of the items, specifying the price per cwt. for hay and straw, and per bag for oats and feed.

All of the articles are to be delivered at the various houses of the Department in such quantities and at such times as may be directed.

No estimate will be received or considered after the hour named.

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

Any person making an estimate for the work shall present the same in a sealed envelope, to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the work to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance in the sum of five thousand dollars (\$5,000); and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made, and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the national banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of two hundred and fifty dollars (\$250). Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York, as liquidated damages for such neglect or refusal; but, if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

The form of the agreement and specifications, and showing the manner of payment for the articles, may be seen and forms of proposals may be obtained at the office of the Department.

CORNELIUS VAN COTT,  
HENRY D. PURROY,  
RICHARD CROKER,  
Commissioners.

HEADQUARTERS  
FIRE DEPARTMENT, CITY OF NEW YORK,  
155 AND 157 MERCER STREET,  
NEW YORK, December 26, 1883.

SEALED PROPOSALS FOR FURNISHING THIS Department with the following articles, to wit:

2,000 tons Egg Coal.  
2,000 tons Stove Coal.  
2,000 tons Furnace Coal.

—to be of the best quality of Pittston, Scranton, or Lackawanna Valley, weigh 2,000 pounds to the ton, and be well screened and free from slate, will be received by the Board of Commissioners at the head of the Fire Department, at the office of said Department, Nos. 155 and 157 Mercer street, in the City of New York, until 10 o'clock A. M., Wednesday, January 9, 1884, at which time and place they will be publicly opened by the head of said Department and read.

All of the coal is to be delivered and weighed upon scales furnished by the Department (which are to be transported from place to place by the contractor), in the presence of an Inspector to be designated by the Department, in such quantities and at such times as may be from time to time directed.

Proposals may be made for one or more of the items, specifying the price per ton.

No estimate will be received or considered after the hour named.

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

Any person making an estimate for the articles shall present the same in a sealed envelope, to said Board, at said office, on or before the day and hour above named, which envelope shall be indorsed with the name or names of the person or persons presenting the same, the date of its presentation, and a statement of the articles to which it relates.

The Fire Department reserves the right to decline any and all bids or estimates if deemed to be for the public interest. No bid or estimate will be accepted from, or contract awarded to, any person who is in arrears to the Corporation upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the Corporation.

or in the supplies or work to which it relates, or in any portion of the profits thereof. The bid or estimate must be verified by the oath, in writing, of the party or parties making the estimate, that the several matters stated therein are in all respects true. Where more than one person is interested, it is requisite that the verification be made and subscribed by all the parties interested.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders of the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance in the sum of sixteen thousand dollars (\$16,000); and that if he shall omit or refuse to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled on its completion and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities, as bail, surety, or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by law. The adequacy and sufficiency of the security offered is to be approved by the Comptroller of the City of New York before the award is made and prior to the signing of the contract.

No estimate will be considered unless accompanied by either a certified check upon one of the National Banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of eight hundred dollars (\$800). Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but, if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

The form of the agreement and specifications and showing the manner of payment for the work, may be seen and forms of proposals may be obtained at the office of the Department.

CORNELIUS VAN COTT,  
HENRY D. PURROY,  
RICHARD CROKER,  
Commissioners.

HEADQUARTERS  
FIRE DEPARTMENT, CITY OF NEW YORK,  
155 & 157 MERCER STREET,  
NEW YORK, Nov. 21, 1883.

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

By order of  
CORNELIUS VAN COTT, President.  
HENRY D. PURROY,  
RICHARD CROKER,  
Commissioners.

CARL JUSSEN,  
Secretary

#### DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION.

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

#### TO CONTRACTORS.

PROPOSALS FOR GROCERIES, DRY GOODS, HARDWARE, PAINTS AND OILS, AND LUMBER.

SEALED BIDS OR ESTIMATES FOR FURNISHING

GROCERIES.  
20,000 pounds Rio Coffee.  
100 barrels Crackers.  
100 prime City Cured Hams, to average 14 lbs. each.  
100 prime quality Beef Tongues, to average 6 lbs. each.  
100 pieces prime City Cured Bacon, to average 6 lbs. each.

1,000 pounds prime City Kettle Rendered Lard.  
20 dozen Canned Peas, 2 lbs.  
20 " " Lima Beans, 2 lbs.  
20 " " String Beans, 2 lbs.  
20 " " Succotash, 2 lbs.  
20 " " Corn, 2 lbs.  
20 " " Salmon, 2 lbs.  
20 " " Peaches, 3 lbs.  
20 " " Plums, 2 lbs.  
2 cases Sardines, halves.

10 dozen Catsup.  
50 pounds Desiccated Coconut, in lbs.  
50 " Citron.  
500 " prime Buckwheat.  
20 Edam Cheese.  
200 barrels prime quality American Salt, 320 lbs. net each, to be delivered at Blackwell's Island.

20 bales Broom Corn.  
10 barrels prime Sal Soda.  
50 barrels Chloride of Lime, of prime quality, to contain not less than 32 per cent. of chloride.

#### DRY GOODS.

7,000 yards Cassimere.  
5,000 " Toweling.  
2,500 " Canton Flannel.  
2,000 " Furniture Check.  
1,500 " Linsey Woolsey.  
1,000 " White Toilet Quilts.  
500 " White Flannel.  
500 dozen Men's Socks.  
500 " Women's Stockings.  
250 Blue Flannel Blouses.  
100 Gross Cotton Laces.

#### HARDWARE.

20 dozen Shovels, Ames' No. 2.  
10 " Coal Shovels.  
20 " Scissors.

#### PAINTS AND OILS.

10,000 pounds Pure White Lead, ground in oil, and equal to "Atlantic Mills."  
20 barrels Standard White Kerosene Oil, 150° test.  
10 " prime quality Spirits Turpentine.  
10 " " Raw Linseed Oil.  
10 " " Boiled Linseed Oil.  
1 " Liquid Dryer (prime quality).



## LUMBER.

20,000 feet 1-inch good Shipping Box Boards, 12 to 16 inches wide and 12 to 16 feet long, dressed one side; delivered at Blackwell's Island.

5,000 " prime quality Pine Shelving, dressed both sides.

—or any part thereof, will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 9.30 o'clock A. M., of Friday, January 18, 1884. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Groceries, Dry Goods, Hardware, Paints and Oils, and Lumber," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department and read.

THE BOARD OF PUBLIC CHARITIES AND CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882.

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

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

Delivery will be required to be made from time to time, and in such quantities as may be directed by the said Commissioners.

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

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities, as bail, surety, or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the national banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimates, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but, if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

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

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

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

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

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

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

Dated New York, January 7, 1884.

HENRY H. PORTER,  
THOMAS S. BRENNAN,  
JACOB HESS,  
Commissioners of the Department of Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
New York, December 28, 1883.

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 Alms-house, Blackwell's Island—Eliza Johnson, aged 50 years.

At Lunatic Asylum, Blackwell's Island—Minnie Bettger, aged 28 years; 4 feet 10 inches high; brown hair, blue eyes.

At Homoeopathic Hospital, Ward's Island—Adam Horn; aged 42 years; 5 feet 6 inches high; dark hair; hazel eyes. Had on when admitted dark suit of clothes, gaiters; black derby hat.

William Harrington; aged 58 years; 5 feet 8 inches high; brown eyes and hair. Had on when admitted brown coat, dark pants and vest, black derby hat.

At Randall's Island Hospital—Patrick Murray; aged 48 years; 5 feet 8½ inches high; gray hair, black eyes.

At Branch Lunatic Asylum, Hart's Island—Celia Davis; aged 32 years.

Nothing known of their friends or relatives.

By order.  
G. F. BRITTON,  
Secretary.

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

## TO CONTRACTORS.

## PROPOSALS FOR WHISKEY, LUMBER, BRICK, ETC.

## SEALED BIDS OR ESTIMATES FOR FURNISHING

## WHISKEY.

70 barrels two-stamped copper-distilled Bourbon Whiskey, to be not less than one year old, to be delivered semi-monthly as required during the year 1884, and each delivery to be accompanied with the certificate of a United States Gauger, giving the number of wine and proof gallons in each barrel, with proof of same.

LUMBER AND NAILS FOR ICE HOUSE, BLACKWELL'S ISLAND.

9,500 Clear Pine Shingles, 18 inches long.

500 feet Clear Pine Boards, 1½, 10 to 12 inches wide, 13 feet long.

500 feet Clear Pine Boards, ¾, 10 to 12 inches wide, 13 feet long.

450 Ceiling Boards, 9½ inches wide (merchantable).

400 Hemlock Boards.

155 Spruce Floor Plank, 1½x9 inches.

50 pieces Spruce Timber, 3x3 inches, 21 feet long.

20 " " 3x8 " 20 "

10 " " 3x8 " 16 "

8 " " 4x8 " 25 "

2 kegs Nails, 60d.

1 " 40d.

1 " 20d.

2 " 10d.

1 " 8d.

1 " 4d.

BRICK FOR NEW LAUNDRY, HART'S ISLAND.

40,000 prime Haverstraw Hard Brick, delivered at Hart's Island.

—or any part thereof, will be received at the office of the Department of Public Charities and Correction, in the City of New York, until 9.30 o'clock, A. M., of Monday, January 14, 1884. The person or persons making any bid or estimate shall furnish the same in a sealed envelope, indorsed "Bid or Estimate for Whiskey, Lumber, Brick, etc.," and with his or their name or names, and the date of presentation, to the head of said Department, at the said office, on or before the day and hour above named, at which time and place the bids or estimates received will be publicly opened by the President of said Department, and read.

THE BOARD OF PUBLIC CHARITIES AND CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS OR ESTIMATES IF DEEMED TO BE FOR THE PUBLIC INTEREST, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882.

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

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

Delivery will be required to be made from time to time, and in such quantities as may be directed by the said Commissioners.

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

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

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, with their respective places of business or residence, to the effect that if the contract be awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities, as bail, surety, or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the National Banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

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

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

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

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

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

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

Dated New York, January 2, 1884.

HENRY H. PORTER,  
THOMAS S. BRENNAN,  
JACOB HESS,  
Commissioners of the Department of Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
New York, December 28, 1883.

## PROPOSALS FOR 20,200 TONS WHITE ASH COAL.

PROPOSALS, SEALED AND INDORSED AS above, will be received by the Commissioners of Public Charities and Correction, at their office, until 9.30 o'clock A. M. Thursday, January 10, 1884, at which time they will be publicly opened and read by the head of said Department, for furnishing and delivering 20,200 tons of White Ash Coal of the best quality and in good order. Each ton to consist of 2,240 pounds. None other will be accepted. All of said coal to be delivered alongside as required, in about the following sizes and quantities, free of all expense, without allowance for demurrage, at the following places:

Blackwell's Island—

2,500 tons Grate size.

3,000 tons Egg size.

300 tons Stove size.

Ward's Island—

5,500 tons Grate size.

Randall's Island—

1,000 tons Grate size.

1,000 tons Egg size.

400 tons Stove size.

Hart's Island—

1,500 tons Egg size.

Bellevue Hospital—

2,000 tons Grate size.

100 tons Stove size.

At Steamboat Dock foot East Twenty-sixth street, for use of Steamboats, in cargoes of about 200 tons per month—

2,000 tons Grate size.

Proposals to state the particular description of coal to be delivered as known in the market, from what mine produced, and all particulars, to enable the Board to arrive at a proper decision.

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 thirty-five thousand \$35,000 dollars each 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 adequacy and sufficiency of such security to be approved by the Comptroller.

No bid or estimate will be received or considered unless accompanied by either a certified check upon one of the national banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the bond required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but, if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

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

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

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

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

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

THE DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION RESERVES THE RIGHT TO REJECT ALL BIDS, AS PROVIDED IN SECTION 64, CHAPTER 410, LAWS OF 1882, IF DEEMED TO BE FOR THE PUBLIC INTEREST.

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

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

Dated New York, January 7, 1884.

HENRY H. PORTER,  
THOMAS S. BRENNAN,  
JACOB HESS,  
Commissioners of the Department of Public Charities and Correction.

DEPARTMENT OF PUBLIC CHARITIES AND CORRECTION,  
No. 66 THIRD AVENUE,  
New York, December 29, 1883.

## PROPOSALS FOR 2,000 TONS OF FRESH MINED WHITE ASH STOVE COAL FOR THE OUT-DOOR POOR.

PROPOSALS, SEALED AND INDORSED AS above, will be received by the Commissioners of Public Charities and Correction, at their office, until 9.30 o'clock A. M., of Thursday, January 10, 1884, at which time they will be publicly opened and read by the head of said Department, for 2,000 tons Fresh Mined White

Ash Stove Coal, of the best quality; each ton to consist of two thousand pounds, to be well screened, and delivered in such quantities and in such parts of the city as may be required in specifications, and ordered from time to time, south of Eighth-fourth street, to be subject to such inspection as the Commissioners may direct, and to meet their approval as to the quality, quantity, time, and manner of delivery in every respect.

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 five thousand (\$5,000) dollars each 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 adequacy and sufficiency of such security to be approved by the Comptroller.

No bid or estimate will be received or considered unless accompanied by either a certified check upon one of the National Banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimates, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but, if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

The Board of Public Charities and Correction reserves the right to reject all bids if deemed for the best interests of the city; 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 a defaulter, as surety 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.

HENRY H. PORTER,  
THOMAS S. BRENNAN,  
JACOB HESS,  
Commissioners of the Department of Public Charities and Correction.

## JURORS.

## NOTICE

## IN RELATION TO JURORS FOR STATE COURTS.

OFFICE OF THE COMMISSIONER OF JURORS,  
NEW COUNTY COURT-HOUSE,  
NEW YORK, June 1, 1883.

APPLICATIONS FOR EXEMPTIONS WILL BE heard here, from 10 to 3 daily, from all persons hitherto liable or recently serving who have become exempt, and all needed information will be given.

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

Persons "enrolled" as liable must serve when called or pay their fines. No mere excuse will be allowed or interference permitted. The fines if unpaid will be entered as judgments upon the property of the delinquents.

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

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

GEORGE CAULFIELD,  
Commissioner of Jurors,  
Room 17, New County Court-house

## THE CITY RECORD.

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

## DEPARTMENT OF PUBLIC WORKS.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
Room 6, No. 31 CHAMBERS STREET,  
NEW YORK, Dec. 29, 1883.

## PROPOSALS FOR STOP-CKOCKS, HYDRANTS, AND STOPCOCK BOXES.

BIDS OR ESTIMATES, INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, also the number of the work as in the advertisement, will be received at this office until Monday, January 14, 1884, at 12 o'clock M., at which place and hour they will be publicly opened by the Head of the Department and read, for

No. 1. FURNISHING AND DELIVERING TO THE DEPARTMENT OF PUBLIC WORKS STOP-CKOCKS, HYDRANTS, AND STOPCOCK BOXES AND COVERS.

No. 2. FURNISHING AND DELIVERING TWO (2) THIRTY-SIX INCH STOP-CKOCKS AND GEARING, WITH FLANGE-PIPE AND BOLTS.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested, it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That no member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York, to the effect that if the contract is awarded to the person making the estimate, they will, on its being so awarded, become bound as his sureties for its faithful performance; and that if he shall omit or refuse to execute the same, they shall pay to the Corporation any difference between the sum to which he would be entitled on its completion, and that which the Corporation may be obliged to pay to the person or persons to whom the contract may be awarded at any subsequent letting; the amount in each case to be calculated upon the estimated amount of the work by which the bids are tested. The consent above mentioned shall be accompanied by the oath or affirmation, in writing, of each of the persons signing the same that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of this contract, over and above all his debts of every nature, and over and above his liabilities, as bail, surety, or otherwise; and that he has offered himself as a surety in good faith and with the intention to execute the bond required by section 12 of chapter 7 of the Revised Ordinances of the City of New York, if the contract shall be awarded to the person or persons for whom he consents to become surety. The adequacy and sufficiency of the security offered to be approved by the Comptroller of the City of New York.

No bid or estimate will be considered unless accompanied by either a certified check upon one of the National Banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the Estimate-box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same, within three days after the contract is awarded. If the successful bidder shall refuse or neglect, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited and retained by the City of New York as liquidated damages for such neglect or refusal; but, if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

Should the person or persons to whom the contract may be awarded neglect or refuse to accept the contract within five days after written notice that the same has been awarded to his or their bid or proposal, or if he or they accept



upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either a certified check upon one of the national banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall neglect or refuse, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and be retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired can be obtained at the office of the Chief Engineer, Room 10, No. 31 Chambers street.

HUBERT O. THOMPSON,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
Room 6, No. 31 CHAMBERS STREET,  
NEW YORK, December 26, 1883.

#### TO COAL DEALERS AND CONTRACTORS.

BIDS OR ESTIMATES INCLOSED IN A SEALED envelope, with the title of the work and the name of the bidder indorsed thereon, will be received at this office until Saturday, January 12, 1884, at 12 o'clock P. M., at which place and hour they will be publicly opened by the head of the Department and read, for the following:

FOR FURNISHING AND DELIVERING TO THE DEPARTMENT OF PUBLIC WORKS, TWELVE HUNDRED AND FIFTY (1250) GROSS TONS OF ENGLISH CANAL COAL, TO A TON OF LEHIGH AND WILKESBARRE COMPANY'S BEST LEHIGH AND WILKESBARRE COAL, AND THIRTY-FIVE (35) GROSS TONS OF ENGLISH CANAL COAL.

Each estimate must contain the name and place of residence of the person making the same, the names of all persons interested with him therein, and if no other person be so interested, it shall distinctly state that fact. That it is made without any connection with any other person making an estimate for the same work, and is in all respects fair and without collusion or fraud. That the member of the Common Council, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of the Corporation is directly or indirectly interested in the estimate or in the work to which it relates or in the profits thereof.

Each estimate must be verified by the oath, in writing, of the party making the same, that the several matters therein stated are true, and must be accompanied by the consent, in writing, of two householders or freeholders in the City of New York to the effect that if the contract is awarded to the person making the estimate, they will, upon its being so awarded, become bound as his sureties for its faithful performance; and that if he shall refuse or neglect to execute the same, they will pay to the Corporation any difference between the sum to which he would be entitled upon its completion, and that which the Corporation may be obliged to pay to the person to whom the contract shall be awarded at any subsequent letting; the amount to be calculated upon the estimated amount of the work by which the bids are tested.

The consent last above mentioned must be accompanied by the oath or affirmation, in writing, of each of the persons signing the same, that he is a householder or freeholder in the City of New York, and is worth the amount of the security required for the completion of the contract, over and above all his debts of every nature, and over and above his liabilities as bail, surety, or otherwise, and that he has offered himself as surety in good faith, with the intention to execute the bond required by law.

No estimate will be considered unless accompanied by either a certified check upon one of the national banks of the City of New York, drawn to the order of the Comptroller, or money, to the amount of five per centum of the amount of the security required for the faithful performance of the contract. Such check or money must not be inclosed in the sealed envelope containing the estimate, but must be handed to the officer or clerk of the Department who has charge of the estimate box, and no estimate can be deposited in said box until such check or money has been examined by said officer or clerk and found to be correct. All such deposits, except that of the successful bidder, will be returned to the persons making the same within three days after the contract is awarded. If the successful bidder shall neglect or refuse, within five days after notice that the contract has been awarded to him, to execute the same, the amount of the deposit made by him shall be forfeited to and be retained by the City of New York, as liquidated damages for such neglect or refusal; but if he shall execute the contract within the time aforesaid, the amount of his deposit will be returned to him.

THE COMMISSIONER OF PUBLIC WORKS RESERVES THE RIGHT TO REJECT ALL BIDS RECEIVED FOR ANY PARTICULAR WORK IF HE DEEMS IT FOR THE BEST INTERESTS OF THE CITY.

Blank forms of bid or estimate, the proper envelopes in which to inclose the same, the specifications and agreements, and any further information desired, can be obtained at the office of the Superintendent of Repairs and Supplies, Room 15, No. 31 Chambers street.

HUBERT O. THOMPSON,  
Commissioner of Public Works

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE, No. 31 CHAMBERS ST.,  
NEW YORK, November 19, 1883.

#### TO THE PUBLIC.

AT 9.30 P. M. ON THURSDAY THE 15TH instant, the aqueduct had to be shut off to repair a large leak that could not be repaired in the usual manner from the exterior. This leak had suddenly developed in the section south of Yonkers, where smaller fissures had previously occurred.

The examination showed fissures aggregating 2,000 feet in length. The repairs were finished and water was again turned on by 4 P. M., on Saturday, the 17th instant.

While the flow through the aqueduct was interrupted the supply in the Central Park reservoir was drawn down five feet.

This loss of supply in the city reservoirs, occurring now, as winter is approaching, makes it necessary to take extra precautions against waste of water. Being aware of the temptation to leave faucets open in cold weather to prevent freezing in the pipes, I specially protest against that practice, and appeal to all citizens to abstain from wasteful use of water in any manner whatever. The present condition of the supply and the possibility of a recurrence of similar leaks in the aqueduct make it my duty to give this public notice that I shall hereinafter resort to the peremptory measure of shutting off the water in all places where persistent waste is discovered.

HUBERT O. THOMPSON,  
Commissioner of Public Works.

DEPARTMENT OF PUBLIC WORKS,  
COMMISSIONER'S OFFICE,  
No. 31 CHAMBERS STREET,  
NEW YORK, Nov. 1, 1883.

PUBLIC NOTICE IS HEREBY GIVEN TO property-owners of the City of New York that, by the New York City Consolidation Act of 1882, among other matters relating to Croton water rates and affecting all properties liable for Croton water charges, is embraced the following, in "Title 2, Duties and Powers of the Department of Public Works as to Procuring and Distributing Water":

§ 350. The Commissioner of Public Works shall, from time to time, establish scales of rents. Such rents shall be collected from the owners or occupants of all such buildings, respectively, which shall be situated upon lots adjoining any street or avenue in said city in which the distributing water-pipes are or may be laid, and from which they can be supplied with water, said rents shall become a charge and lien upon such houses and lots, respectively, as provided by law.

It becomes my duty to state that on and after the first day of March, 1883, all extra charges, such as steam-engines, bakeries, barbers, bathing-tubs, boarding-houses, boarding-schools, building purposes, horses, horse-troughs, hotels, porter-houses, taverns, etc., printing offices, stone cutting or dressing, slaughter-houses, dyeing, water-closets and urinals, laundries, restaurants, soda fountains, extra families, oyster and coffee saloons, water by meter measurement, meters and meter setting, and all other purposes for which the use of Croton water is chargeable according to law, are liens, and unless paid on or before the 30th day of April next must be returned to the Clerk of Arrears, with the amount due on each lot.

HUBERT O. THOMPSON,  
Commissioner of Public Works.

#### SUPREME COURT.

In the matter of the application of the Commissioners of the Department of Public Parks, for and in behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring right of way over, under and through certain lands, for the purpose of the construction of drains as directed by the Board of Health of the Health Department of the City of New York, pursuant to the provisions of chapter 360 of the Laws of 1880.

#### MILLBROOK DRAINS.

NOTICE IS HEREBY GIVEN THAT THE BILL of the costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court, at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the fourteenth day of January, 1884, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Department of Public Works, there to remain for and during the space of ten days.

Dated, New York, January 5, 1884.

SAMUEL R. FILLEY,  
GEORGE H. FORSTER,  
FORDHAM MORRIS,  
Commissioners.

ARTHUR BERRY, Clerk.

In the matter of the application of the Department of Public Works for and in behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of One Hundred and Fourth street, between the Boulevard and Riverside avenue, in the City of New York.

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

First.—That we have completed our estimate and assessment, and that all persons interested in these proceedings, or in any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified, to us at our office, No. 73 William street (third floor), in the said city, on or before the 14th day of January, 1884, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said 14th day of January, 1884, and for that purpose will be in attendance at our said office on each of said ten days at 2½ o'clock P. M.

Second.—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the 16th day of January, 1884.

Third.—That the limits embraced by the assessment aforesaid are as follows, to wit: All those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together are bounded northerly by the centre line of the blocks between One Hundred and Fourth and One Hundred and Fifth streets, easterly by the westerly side of the Boulevard, southerly by the centre line of the blocks between One Hundred and Fourth and One Hundred and Third streets, and westerly by the easterly side of Riverside avenue, excepting therefrom all the land lying in the streets or avenues within said area.

Fourth.—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the first day of February, 1884, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated New York, December 5, 1883.

ISAAC T. BROWN,  
ROWLAND M. STOVER,  
PATRICK DALY,  
Commissioners.

ARTHUR BERRY, Clerk.

In the matter of the application of the Department of Public Works, for and in behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to the opening of One Hundred and Forty-sixth street, between Avenue St. Nicholas and Tenth avenue, in the City of New York.

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

First.—That we have completed our estimate and assessment, and that all persons interested in these proceedings, or in any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified, to us at our office, No. 73 William street (third floor), in the said city, on or before

the eighth day of January, 1884, and that we, the said Commissioners, will hear parties so objecting within the ten week-days next after the said eighth day of January, 1884, and for that purpose will be in attendance at our said office on each of said ten days, at 2½ o'clock P. M.

Second.—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the tenth day of January, 1884.

Third.—That the limits embraced by the assessment aforesaid are as follows, to wit: All those lots, pieces or parcels of land, situate, lying and being in the City of New York, and bounded on the north by the centre line of the block between One Hundred and Forty-sixth street and One Hundred and Forty-seventh street, and on the east by the westerly line of Avenue St. Nicholas, on the south by the centre line of the block between One Hundred and Forty-sixth street and One Hundred and Forty-fifth street, and on the west by the easterly line of Tenth avenue; excepting therefrom all the land within the limits of One Hundred and Forty-sixth street.

Fourth.—That our report herein will be presented to the Supreme Court of the State of New York, at a Special Term thereof, to be held at the Chambers thereof, in the County Court-house, at the City Hall, in the City of New York, on the eighteenth day of January, 1884, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated, New York, November 27, 1883.

GEORGE W. MCLEAN,  
THOMAS DUNLAP,  
MANSFIED COMPTON,  
Commissioners.

ARTHUR BERRY, Clerk.

In the matter of the application of the Commissioners of the Department of Public Parks for and in behalf of the Mayor, Aldermen and Commonalty of the City of New York, relative to acquiring right of way over, under and through certain lands for the purpose of the construction of drains, as directed by the Board of Health of the Health Department of the City of New York, pursuant to the provisions of chapter 360 of the Laws of 1880.

#### MILL BROOK DRAINS.

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

First.—That we have completed our estimate and assessment, and that all persons interested in these proceedings, or in any of the lands affected thereby, and who may be opposed to the same, do present their objections in writing, duly verified, to us, at the office of our chairman, Samuel R. Filley, 76 Wall street, Room No. 17, in the said city, on or before the twenty-seventh day of December, 1883, and that we, the said Commissioners, will hear parties so objecting within the two week-days next after the said twenty-seventh day of December, 1883, and for that purpose will be in attendance at said office on each of said two days, at two o'clock P. M.

Second.—That the abstract of the said estimate and assessment, together with our maps, and also all the affidavits, estimates and other documents which were used by us in making our report, have been deposited in the office of the Department of Public Works, in the City of New York, there to remain until the fourteenth day of January, 1884.

Third.—That the limits embraced by the assessment aforesaid are as follows, to wit: All those lots, pieces or parcels of land, situate, lying and being in the City of New York, which taken together, are bounded as follows, viz.: northerly by Westchester avenue, easterly by Brook avenue, southerly by One Hundred and Fortieth street, westerly and northerly by Willis avenue and Bergen avenue; excepting therefrom all the lands lying in the streets and avenues within said bounds.

Fourth.—That our report herein will be presented to the Supreme Court of the State of New York, at a special term thereof, to be held at the Chambers thereof, in the County Court-house at the City Hall, in the City of New York, on the eighteenth day of January, 1884, at the opening of the Court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated, New York, December 3, 1883.

SAMUEL R. FILLEY,  
GEORGE H. FORSTER,  
FORDHAM MORRIS,  
Commissioners.

#### FINANCE DEPARTMENT.

CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
December 29, 1883.

#### NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 997 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property affected by the assessment list for the opening of One Hundred and Thirty-second street, between Tenth avenue and Broadway, which was confirmed by the Supreme Court, December 21, 1883, and entered on the 26th day of December, 1883, in the Record of Titles of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents, that unless the amount assessed for benefit on any person or property, shall be paid within sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect, and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment.

The above assessment is payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before February 4, 1884, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

S. HASTINGS GRANT,  
Comptroller.  
CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
December 29, 1883.

#### NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 916 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property affected by the following assessment lists, viz:

Avenue B, regulating, grading, etc., from Eighty-sixth to Eighty-seventh street.  
Ninety-eighth street, regulating, grading, etc., from Second to Third avenue.

Ninety-eighth street, regulating, grading, etc., from Eighth avenue to Boulevard.  
One Hundred and Fifth street, regulating, grading, etc., from Fourth to Fifth avenue.  
One Hundred and Fifteenth street, regulating, grading, etc., between Boulevard and Riverside Drive.  
One Hundred and sixteenth street, regulating, grading, etc., between Tenth and avenue west of Morningside Park.

Nineteenth street, regulating, paving, etc., from Tenth to Thirteenth avenue.  
Twenty-sixth street, regulating, paving, etc., between First avenue and East river.

Forty-fourth street, regulating, paving, etc., between Eleventh and Twelfth avenues.  
Thirteenth street, regulating, grading, etc., sidewalks between Avenues C and D.

Eightieth street, south side, flagging, from Fifth to Madison avenue.  
Forty-fifth street, paving, from Eleventh to Twelfth avenue.

Seventieth street, paving from Second to Third avenue.  
One Hundred and Fourth street, paving, etc., between First and Second avenues.

One Hundred and Fifth street, paving, from Third to Fourth avenue.  
One Hundred and Ninth street, paving, from Third to Fourth avenue.

One Hundred and Fourteenth street, paving, from First to Second avenue.  
One Hundred and Fourteenth street, paving, from First to Pleasant avenue.

Fourth avenue, west side, fencing lots, between One Hundred and Fourth and One Hundred and Fifth streets.  
Fourth avenue, fencing lots, southwest corner of One Hundred and Twenty-fourth street.

One Hundred and Fourth street, north side, fencing lots, between Fourth and Madison avenues.  
Eighty-third street, both sides, fencing lots, from Eighth avenue to Boulevard.

Second avenue, west side, sewers, between First and Second streets.  
Eleventh avenue, east side, sewers, between Thirty-fifth and Thirty-sixth streets.

Seventieth street, sewer, between Avenue A and East river.  
Seventy-second street, alteration and improvement to sewer, between Eighth and Ninth avenues.

Madison avenue, paving, from One Hundred and Twenty-fifth to One Hundred and Thirty-third street.  
Madison street, basin, southwest corner of Chestnut street.

Beach street, basin, northeast corner of park, at junction of West Broadway.  
Twenty-third street, basin, northeast corner of Avenue A.

Sixty-fourth street, basin, southeast corner of First avenue.  
Sixty-seventh street, basin, northwest corner of Third avenue.

One Hundred and seventh street, basin, northwest and southwest corners of Tenth avenue.  
—which were confirmed by the Board of Revision and Correction of Assessments, December 19, 1883, and entered on the same date in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments, and of Arrears of Taxes and Assessments, and of Water Rents," that unless the amount assessed for benefit on any person or property, shall be paid within sixty days after the date of entry thereof in the said Record of Titles of Assessments, interest will be collected thereon as provided in section 917 of said "New York City Consolidation Act of 1882."

Section 917 of the said act provides that, "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect and receive interest thereon, at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment."

This above assessments are payable to the Collector of Assessments, and Clerk of Arrears at the "Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments, and of Water Rents," between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before March 4, 1884, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

S. HASTINGS GRANT,  
Comptroller.  
CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
December 21, 1883.

#### NOTICE TO PROPERTY-OWNERS.

IN PURSUANCE OF SECTION 997 OF THE "New York City Consolidation Act of 1882," the Comptroller of the City of New York hereby gives public notice to all persons, owners of property affected by the assessment list for the opening of Beekman place, between Forty-ninth and Fifty-first streets, which was confirmed by the Supreme Court, December 14, 1883, and entered on the 19th day of December, 1883, in the Record of Titles of Assessments, kept in the "Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments, and of Water Rents," that unless the amount assessed for benefit on any person or property, shall be paid within sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment, to charge, collect, and receive interest thereon at the rate of seven per centum per annum, to be calculated from the date of such entry to the date of payment.

The above assessment is payable to the Collector of Assessments and Clerk of Arrears, at the "Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments, and of Water Rents," between the hours of 9 A. M. and 2 P. M., and all payments made thereon, on or before February 21, 1884, will be exempt from interest as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date of entry in the Record of Titles of Assessments in said Bureau to the date of payment.

S. HASTINGS GRANT,  
Comptroller.  
CITY OF NEW YORK,  
FINANCE DEPARTMENT,  
COMPTROLLER'S OFFICE,  
December 21, 1883.

#### REAL ESTATE RECORDS.

THE ATTENTION OF LAWYERS, REAL Estate Owners, Monetary Institutions engaged in making loans upon real estate, and all who are interested in providing themselves with facilities for reducing the cost of examinations and searches, is invited to these Official Indices of Records, containing all recorded transfers of real estate in the City of New York from 1853 to 1883, prepared under the direction of the Commissioners of Records.

Grants, grantees, suits in equity, insolvents' and Sheriffs' sales, in 6 volumes, full bound, price, \$100 00  
The same in 25 volumes, half bound, " " " " 50 00  
Complete sets, folded, ready for binding, " " " " 15 00  
Records of Judgments, 25 volumes, bound, " " " " 10 00  
Orders should be addressed to "Mr. Stephen Angell, Comptroller's Office, New County Court-house."

S. HASTINGS GRANT,  
Comptroller.