THE CITY RECORD.

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BOARD OF ALDERMEN.

Hearings by the Committee on General Welfare.

PUBLIC NOTICE IS HEREBY GIVEN that the Committee on General Welfare of the Board of Aldermen will hold a public hearing in the Aldermanic Chamber, City Hall, Borough of Manhattan, on FRIDAY, JUNE 18, 1915, at 2 o'clock p. m., on proposed ordinance known as the Electrical Code. (See minutes of June 15, 1915.)

All persons interested are invited to attend.

j16,18 P. J. SCULLY, City Clerk and Clerk of the Board of Aldermen.

PUBLIC NOTICE IS HEREBY GIVEN that the Committee on General Welfare of the Board of Aldermen will hold a public hearing in the Aldermanic Committee Room, City Hall, Borough of Manhattan, on FRIDAY, JUNE 25TH, 1915, at 2 o'clock p. m., on the following matters:

No. 1678. An ordinance to amend section 4 of article 1 of chapter 3 of the Code of Ordinances of The City of New York, relative to revocation of licenses for public exhibitions or performances.

No. 1710. An ordinance to amend article 2 of chapter 14 of the Code of Ordinances, relating to "billiard and pool tables."

All persons interested are invited to attend.

j15,25 P. J. SCULLY, City Clerk and Clerk of the Board of Aldermen.

Hearings by the Committee on Buildings.

PUBLIC NOTICE IS HEREBY GIVEN that the Committee on Buildings of the Board of Aldermen will hold a public hearing in the Aldermanic Chamber, City Hall, Borough of Manhattan, on FRIDAY, JUNE 25, 1915, at 2.30 o'clock p. m., on a proposed ordinance relative to Reinforced Concrete Construction. (See minutes of June 15, 1915.)

All persons interested are invited to attend.

j16,25 P. J. SCULLY, City Clerk and Clerk of the Board of Aldermen.

PUBLIC NOTICE IS HEREBY GIVEN that the Committee on Buildings of the Board of Aldermen will hold a public hearing in the Aldermanic Chamber, City Hall, Borough of Manhattan, on FRIDAY, JUNE 25, 1915, at 2 o'clock p. m., on the following matter:

No. 1834. An ordinance relating to fireproof construction in the City of New York. (See minutes of June 8, 1915.)

All persons interested are invited to attend.

j9,25 P. J. SCULLY, City Clerk and Clerk of the Board of Aldermen.

PUBLIC SERVICE COMMISSION—FIRST DISTRICT.

No. 154 NASSAU STREET, NEW YORK CITY.
Calendar for the Week Commencing June 14, 1915.

Wednesday, June 16, 1915—11 a. m.—Room 305—R. T. 6806—Rapid transit railroads—"Ventilation of subways"—Whole Commission. 11 a. m.—Room 310—Case No. 1384—Long Island Railroad Company—"Further hearing as to alteration of grade crossing at Collins Avenue and nine other crossings on Montauk Division, Borough of Queens"—Commissioner Williams. 2.30 p. m.—Room 305—Case No. 1970—Long Island Railroad Company and New York Consolidated Railroad Company—"Regulations, service and station stops on Rockaway Division"—Commissioner Wood.

Thursday, June 17, 1915—11 a. m.—Room 305—Case No. 1959—Long Island Railroad Company—"Alteration of crossing at Howard Avenue on Atlantic Division, Brooklyn"—Commissioner Cram—(This hearing will be adjourned to June 18, 1915, at 11 a. m.). 11 a. m.—Room 305—Case No. 1937—Long Island Railroad Company—L. G. Brimmer, complainant—"Construction of foot bridge over tracks at Charles Place, Elmhurst"—Commissioner Cram—(This hearing will be adjourned to June 18, 1915, at 11 a. m.). 2.30 p. m.—Room 305—Case No. 1161—New York Central Railroad Company et al.—Taxpayers' Alliance of the Borough of The Bronx, complainant—"Train service in the Borough of The Bronx and rates of fare"—Whole Commission.

Friday, June 18, 1915—11 a. m.—Room 310—Case No. 1974—Bronx Gas and Electric Company—Silver Beach Camp Corporation, complainant—"Alleged refusal to furnish service"—Commissioner Williams. 11 a. m.—Room 305—Case No. 1959—Long Island Railroad Company—"Alteration of crossing at Howard Avenue on Atlantic Division, Brooklyn"—Commissioner Cram. 11 a. m.—Room 305—Case No. 1937—Long Island Railroad Company—L. G. Brimmer, complainant—"Construction of foot bridge over tracks at Charles Place, Elmhurst"—Commissioner Cram.

Meeting of the Committee of the Whole held Tuesday, Wednesday, Thursday and Friday at 10.30 a. m. in the Committee Room.

Regular meeting of the Commission held every Tuesday and Friday at 12.15 p. m. in Room 310.

Borough of The Bronx.

Extract of Minutes of the Local Board of Chester, 23rd District.

Pursuant to call by President Mathewson, the members of the Local Board of Chester, 23rd District, met at Borough Hall, 177th Street and Third Avenue on Tuesday, June 1st, 1915, at 8 P. M.

Present—President Mathewson, Alderman Schweickert and Alderman Moran.

Minutes of the previous meeting were adopted as printed.

1393.—Acquiring title to the lands necessary for Tacoma Street, from St. Lawrence Avenue to Beach Avenue. Laid over until July 6th, 1915.

1394.—Regulating, grading, setting curb, laying sidewalks and crosswalks, building approaches and erecting fences where necessary in Tacoma Street, from St. Lawrence Avenue to Beach Avenue, together with all work incidental thereto. Laid over until July 6th, 1915.

1396.—Laying out on the Map of The City of New York an extension of Bruner Avenue, from Barnes Avenue to Byron Avenue. Laid over until July 6th, 1915.

1396A.—Changing the Map of The City of New York by showing thereon a change of lines of Bissel Avenue, from Baychester Avenue to Barnes Avenue and the discontinuing of the street system within the limits of the Interborough Rapid Transit Storage Yards at White Plains Road between East 239th Street and Baychester Avenue, in accordance with map dated November 8th, 1913. Laid over until July 6th, 1915.

1399.—Laying out on the Map of the City of New York a change of grade in Byron Avenue, between East 236th Street and East 237th Street. Referred to President of the Borough to afford such relief as would be consistent with the general city plan.

1047.—Constructing sewers and appurtenances in Starling Avenue between Olmstead Avenue and Hoguet Avenue; and in Hoguet Avenue, between Starling Avenue and McGraw Avenue; and in McGraw Avenue, between Hoguet Avenue and Pugsley Avenue; and all work incidental thereto. Adopted by the Local Board of Chester, 23rd District on December 1, 1913, amended at this meeting so as to provide for: Constructing sewers and appurtenances in Starling Avenue, between Olmstead Avenue and Unionport Road; and in Unionport Road, between Starling Avenue and McGraw Avenue; and in McGraw Avenue, between Unionport Road and Pugslev Avenue, together with all work incidental thereto. Adopted as amended.

LAID OVER MATTERS.

1125.—Acquiring title to the lands necessary for Richardson Avenue, from East 236th Street to East 242nd Street. Laid over until July 6th, 1915.

1280.—Filling in sunken lots on the north side of Westchester Avenue, from Stratford Avenue to Rosedale Avenue, and on the south side from Clason Point Road to Rosedale Avenue to elevation 9.0, together with all work incidental thereto. Laid over until October 5th, 1915.

1312.—Constructing sewers and appurtenances in: Appleton Avenue between Balcom Avenue and Morris Park Avenue; and in Morris Park Avenue, between Appleton Avenue and Mayflower Avenue; and in Mayflower Avenue, between Morris Park Avenue and Wilkinson Avenue, together with the storm water overflow in Appleton Avenue, between Westchester Creek and Balcom Avenue, together with all work incidental thereto. Adopted.

1368.—Acquiring title to the lands necessary for East 229th Street from Bronx Boulevard to Laconia Avenue. Laid over until July 6th, 1915.

1369.—Acquiring title to the lands necessary for Bronxwood Avenue from East 222nd Street to East 233rd Street. Laid over until July 6th, 1915.

1387.—Regulating, grading, setting curb, laying sidewalks and crosswalks, building approaches and erecting fences where necessary in East 213th Street, from Paulding Avenue to Boston Road, together with all work incidental thereto. Laid over until July 6th, 1915.

FOR CONSIDERATION:

1345.—Reduction of width and change of lines and grades of Adams Street, from Morris Park Avenue to the New York, New Haven and Hartford Railroad, in accordance with Plan "A" or Plan "B." Laid over until Monday, June 7th, 1915, at 8 P. M.

On motion, seconded, the Board adjourned.

EMANUEL FRIENDLICH, Secretary.

Department of Water Supply, Gas and Electricity.

Report for Week Ended May 29, 1915.

Collections, Bureau of Water Register, —All Boroughs, $181,006.39.

Contracts Entered Into—Furnishing, etc., cast iron pipe, special and valve box castings, valves and double nozzle fire hydrants, Brooklyn; dated, May 25, 1915; Contractor, John Fox & Co.; surety, U. S. Fidelity and Guaranty Co.; estimated cost, $22,592. Furnishing, delivering and laying water mains, etc., in Grand Boulevard and Concourse, Bronx; dated, May 26, 1915; contractor, Melrose Construction Company; surety, National Surety Company; estimated cost, $6,482.60. Furnishing, etc., cast iron pipe, special and valve box castings, valves and double nozzle fire hydrants, Brooklyn; dated, May 26, 1915; contractor, Thomas J. Radley; surety, National Surety Company; estimated cost, $10,450. Dated, May 28, 1915; contractor, Maher & Flockhart; surety, U. S. Fidelity and Guaranty Co.; estimated cost, $5,728.75.

Changes in Working Force.

MANHATTAN.

Appointed—David Storck, 1481 Commonwealth Ave., Oiler, at $3 per day; Edward Hurley, 1471 1st Ave., Inspector of Electrical Conductors, at $1,200 per annum; George A. Farrell, 53 Horatio St., Automobile Engineman, at $900 per annum; William D. Phelan, 3713 Willett Ave., Bronx, Inspector of Masonry, at $5 per day.

Salary Increased—John W. Kennedy, Clerk, $1,650 to $1,800 per annum.

Retired — Bartholomew McDonald, Stoker, on an annuity of $548.

QUEENS.

Appointed—Edward White, 405 Boulevard, Rockaway Beach, L. I., Automobile Engineman, at $900 per annum.

BROOKLYN.

Salary Increased—Edward Catherwood, Clerk, $1,650 to $1,800 per annum.

WM. R. HILLYER, Deputy Commissioner.

Department of Bridges.

Report for Week Ended May 29, 1915:

Requisitions Drawn on the Comptroller —Payrolls, $49,895.09; contracts, $38,218.90; open market orders, $729.31; $88,843.30.

Moneys Received—Brooklyn Bridge, rents and privileges, $3,284.15; miscellaneous, subpoena fees, 50 cents; Municipal Garage, material, labor and storage, $250.66; $3,535.31.

F. J. H. KRACKE, Commissioner.

Borough of Manhattan.

Bureau of Buildings.

Report for Week Ended June 5, 1915: Plans filed for new buildings, 9; estimated cost of new buildings, $840,205; plans filed for alterations, 57; estimated cost of alterations, $403,400; buildings reported as unsafe, 41; other violations of law reported, 131; unsafe building notices issued, 98; violation notices issued, 382; violation cases forwarded for prosecution, 13.

BOARD OF ESTIMATE AND APPORTIONMENT

Minutes of Meeting of Board of Estimate and Apportionment Held in the Aldermanic Chamber, City Hall, Friday, June 4, 1915.

The Board met in pursuance of an adjournment.

Present—George McAneny, Acting Mayor; William A. Prendergast, Comptroller; O. Grant Esterbrook, Acting President, Board of Aldermen; Marcus M. Marks, President, Borough of Manhattan; E. W. Voorhies, Acting President, Borough of Brooklyn; Douglas Mathewson, President, Borough of The Bronx; Maurice E. Connolly, President, Borough of Queens; and Spire Pitou, Jr., Acting President, Borough of Richmond.

The Acting Mayor, Hon. George McAneny, presided.

Approval of Minutes (Cal. No. 1).

The Minutes of the meetings held April 30 and May 7, as printed in the CITY RECORD June 1 and 2, respectively; May 13 (special meeting), and meeting of May 14, as printed in the CITY RECORD June 3; and meeting of May 21, 1915, as printed in the CITY RECORD June 4, 1915, were approved.

PUBLIC HEARINGS.

On Changes in the City Map.

Borough of Manhattan.

Hearing in the Matter of Changing the Map or Plan of The City of New York by Closing and Discontinuing West 138th Street, Between Amsterdam Avenue and Convent Avenue, Borough of Manhattan (Cal. No. 2).

(By resolution adopted by the Board on April 16, 1915 (Cal. No. 150), a hearing was fixed for May 14, 1915. On the latter date (Cal. No. 2), the hearing was continued until May 28, 1915 (Cal. No. 1), when it was continued until this meeting.)

The Secretary presented affidavit of publication showing that the matter had been duly advertised.

Mr. Moses J. Stroock and Dr. Sidney E. Mezes, representing the College of The City of New York, appeared in favor of the proposed change. No one else appearing, the hearing was closed.

The following was offered:

Whereas, at a meeting of this Board, held on the 16th day of April, 1915, a resolution was adopted proposing to change the map or plan of The City of New York so as to close and discontinue West 138th Street between Amsterdam Avenue and Convent Avenue in the Borough of Manhattan, City of New York, and appointing a hearing at a meeting of this Board to be held on the 14th day of May 1915, at 10 o'clock a. m., at which meeting such proposed action would be considered by this Board, and requesting a notice to all persons affected thereby, of the aforesaid time and place at which such proposed action would be considered, to be published in the CITY RECORD for ten days prior to the 14th day of May, 1915; and

Whereas, it appears from the affidavit of the Supervisor of the City Record that the aforesaid resolution and notice have been published in the CITY RECORD for ten days prior to the 14th day of May, 1915; and

Whereas, all persons interested in such proposed change were afforded an opportunity to be heard thereon, and such proposed change was duly considered by this Board; now, therefore, be it

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter, as amended, deeming it for the public interest to change the map or plan of The City of New York by closing and discontinuing West 138th Street between Amsterdam Avenue and Convent Avenue in the Borough of Manhattan, City of New York, does hereby favor the same so as to make the aforesaid change in accordance with a map or plan bearing the signature of the Acting Secretary of the Board of Estimate and Apportionment, and dated January 12, 1915.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the President of the Borough of Queens and the Acting President of the Borough of Richmond—15.

Negative—The President of the Borough of The Bronx—1.

Borough of Queens.

Hearing in the Matter of Changing the Map or Plan of The City of New York by Changing the Lines and Grades of the Street System Within the Territory Bounded by Junction Avenue, Fillmore Avenue, 48th Street, Hayes Avenue, Baylies Street, Polk Avenue, DePeyster Street, Edson Street, 51st Street, Darvall Street, Alburtis Avenue, Sackett Street and Roosevelt Avenue, Borough of Queens (Cal. No. 3).

(By resolution adopted by the Board on April 30, 1915 (Cal. No. 169), a hearing was fixed for May 28, 1915. On the latter date (Cal. No. 7) the hearing was continued until this meeting.)

The Secretary presented affidavit of publication showing that the matter had been duly advertised.

The Secretary also presented a communication from the Civic Association of Corona in opposition to the widening of Polk Avenue.

The hearing was continued one week (June 11, 1915).

On Franchises.

Rapid Transit Railway—Modification of Flatbush Avenue-St. Felix Street, Fulton Street Route (Cal. No. 4).

Consideration of the communication from the Public Service Commission for the First District, transmitting certified copy of resolution adopted by said Commission May 11, 1915, amending the route and general plan of construction for the Flatbush Avenue-St. Felix Street-Fulton Street Route, so as to provide for the construction of station entrances and exits under Hanson Place, Borough of Brooklyn, and requesting the consent and approval of this Board thereto.

This communication was presented to the Board at the meeting of May 14, 1915 (No. 164), when, by resolution duly adopted, May 21, 1915, was fixed as the date for consideration and the communication was referred to the Committee on Transit.

At the meeting of May 21, 1915 (Cal. No. 1), the consideration was continued until May 28, 1915 (Cal. No. 14), when it was continued until this day.

An affidavit of publication of the notice of continued consideration was received from the CITY RECORD. The Chairman of the Committee on Transit reported verbally on behalf of said Committee, recommending the approval of the route. No one appeared in opposition or in favor of the proposed route and the Chair declared the consideration concluded.

The following resolution was offered:

Whereas, The Public Service Commission for the First District did on the 20th day of May, 1912, adopt a certain route or routes and a general plan of construction for a rapid transit railway or railways in The City of New York, being more particularly known as "Flatbush Avenue-St. Felix Street-Fulton Street Route"; and

Whereas, Thereafter the Public Service Commission for the First District did transmit to the Board of Estimate and Apportionment a copy of such route or routes and general plan of construction, and said Board of Estimate and Apportionment, after due consideration, as provided by law, by resolution adopted May 31, 1912, approved by the Mayor June 6, 1912, consented to the construction of such railway or railways, in accordance therewith; and

Whereas, The Public Service Commission for the First District has duly determined upon a route or routes and general plan of construction of a rapid transit railway, for the conveyance of persons and property, to be established in The City of New York, and did, by resolution of May 11, 1915, amend the route or routes and general plan of construction for such rapid transit railway, being more particularly known as "Modification of Flatbush Avenue-St. Felix Street-Fulton Street Route"; and

Whereas, Thereafter said Public Service Commission for the First District did transmit to the Board of Estimate and Apportionment of The City of New York a certified copy of the resolution amending the route or routes and general plan of construction, which certified copy of resolution was received by said Board of Estimate and Apportionment on the 14th day of May, 1915, at a meeting of said Board of Estimate and Apportionment, duly held on said day; and

Whereas, Said Board of Estimate and Apportionment by resolution adopted at said meeting did appoint a day not less than one week nor more than ten days after the receipt thereof, for the consideration of such modified route or routes, to wit: the 21st day of May, 1915, at ten o'clock A. M., and continued said consideration until May 28, 1915, and on that day until June 4, 1915, when said consideration was concluded; and

Whereas, The modifications and amendments are fully set forth in the resolution of the Public Service Commission adopted May 11, 1915, and which resolutions are as follows:

Resolutions Adopted by the Public Service Commission for the First District May 11, 1915.

Modification of Flatbush Avenue-St. Felix Street-Fulton Street Route (Route No. 46).

Whereas, The Public Service Commission for the First District did on the 20th day of May, 1912, adopt a certain route or routes and a general plan of construction for a rapid transit railway or railways in the City of New York, a copy of which is hereto annexed, entitled "Copy of Routes and General Plan of Construction adopted May 20, 1912," and which route or routes are known as the Flatbush Avenue-St. Felix Street-Fulton Street Route (Route No. 46); and

Whereas, The said route or routes and general plan was thereafter duly approved by the Board of Estimate and Apportionment of The City of New York on the 31st day of May, 1912, and by the Mayor of The City of New York on the 6th day of June, 1912, and was thereafter duly consented to by the owners of one-half in value of the property along the said route or routes; and

Whereas The said Public Service Commission for the First District has duly made the inquest and investigation necessary or proper in the premises and has determined that the modifications and amendments of the said route or routes and general plan hereinafter set forth are necessary for the interest of the public and of the City of New York and should be established as hereinafter provided, now therefore be it

Resolved, That subject to the approvals and consent to be first obtained as in this resolution hereinafter mentioned the said route or routes and general plan heretofore adopted by the said Public Service Commission for the First District be and hereby are amended in the following respects:

By striking from the twelfth paragraph, under the heading "General Plan of Construction," which twelfth paragraph reads as follows:

"There may be a station, with station entrances, at such point as this Commission may determine. Such station and station entrances may be built under the streets or through private property to be acquired for the purpose, or both under streets and through private property as aforesaid. The streets under which such station or station entrances may be built may include Lafayette Avenue and Hanson Place, but no part of Lafayette Avenue or Hanson Place shall be used for a station or station entrance at a distance greater than seventy-five (75) feet from the exterior line or side of St. Felix Street."

—the last sentence of said paragraph, as follows:

"The streets under which such station or station entrances may be built may include Lafayette Avenue and Hanson Place, but no part of Lafayette Avenue or Hanson Place shall be used for a station or station entrance at a distance greater than seventy-five (75) feet from the exterior line or side of St. Felix Street,"

—and by substituting in lieu of said last sentence of said twelfth paragraph the following words:

"The streets under which such station or station entrances may be built may include Lafayette Avenue and Hanson Place, but no part of Lafayette Avenue shall be used for a station or station entrance at a distance greater than seventy-five (75) feet from the exterior line or side of St. Felix Street, and no part of Hanson Place shall be used for a station or station entrance at a distance greater than one hundred and seventy (170) feet from the exterior line or side of St. Felix Street."

—so that the whole of said paragraph, as hereby amended, shall read as follows:

"There may be a station, with station entrances, at such point as this Commission may determine. Such station and station entrances may be built under the streets or through private property to be acquired for the purpose, or both under streets and through pivate poperty, as aforesaid. The streets under which such station or station entrances may be built may include Lafayette Avenue and Hanson Place, but no part of Lafayette Avenue shall be used for a station or station entrance at a distance greater than seventy-five (75) feet from the exterior line or side of St. Felix Street, and no part of Hanson Place shall be used for a station or station entrance at a distance greater than one hundred and seventy (170) feet from the exterior line or side of St. Felix Street."

Resolved, That, whereas, this Commission has made the inquest and investigation necessary or proper in the premises and has determined that the modifications and amendments aforesaid of the said route or routes and general plan are necessary for the interest of the public and of the City of New York and should be established as herein provided, this Commission does hereby determine and establish the said modifications and amendments, subject to the approvals and consent to be first obtained, as hereinafter mentioned; and further

Resolved, That the said modifications and amendments of the said route or routes and general plan shall take effect only upon and after the following approvals thereof and consent thereto shall be duly had, to wit:

(1) The approval and consent of the Board of Estimate and Apportionment of The City of New York.

(2) The approval of the Mayor of The City of New York.

—now, therefore, be it

Resolved, That the Board of Estimate and Apportionment of The City of New York, by a majority vote, according to the number of votes by law pertaining to each member of the Board, hereby approves such modifications and amendments of the said route or routes and general plan and consents to the construction of the said railway or railways, in accordance therewith.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Rapid Transit Railway—Westchester Avenue Connection (Cal. No. 5).

Consideration of the communication from the Public Service Commission for the First District, transmitting certified copy of resolution adopted by said Commission May 21, 1915, determining and establishing a route and general plan of construction for an additional rapid transit railroad to be known as "Westchester Avenue Connection," and requesting the approval and consent of this Board thereto.

This communication was presented to the Board at the meeting of May 28, 1915 (Cal. No. 128), when, by resolution duly adopted, this day was fixed as the date for consideration and the communication was referred to the Committee on Transit.

An affidavit of publication of the notice of consideration was received from the CITY RECORD. After hearing M. B. McHugh and R. H. Arnold, the Chairman of the Committee on Transit stated his Committee would hold a hearing on Thursday, June 10, 1915, at 2.30 p. m. The consideration was then continued until June 18, 1915.

REPORTS.

From Standing Committees.

Committee on Corporate Stock Budget.

Department of Bridges—Transfer of Appropriation (Cal. No. 6).

The Secretary presented the following report of the Committee on Corporate Stock Budget:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 13, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—Your Board on June 3, 1910, authorized the issue of $60,000 in corporate stock, which, on September 30, 1910, was increased to $75,000, to provide means for the laying and rearranging water and gas mains and the necessary regrading and repaving on and adjacent to the Municipal Building, Park Row, Centre and Duane Streets, Borough of Manhattan, under the jurisdiction of the Department of Bridges.

On October 21, 1910, the Commissioner of Bridges entered into a contract with Henry E. Fox for laying and relaying water and gas mains, and grading and paving streets adjacent to the Municipal Building for $68,000. The work under the terms of the contract was to be completed within four calendar months after the contractor was notified to start work, which was November 18, 1910; but owing to delays caused by the construction of the Centre Street subway and the erection of the Municipal Building the work was not completed until approximately three and a half years after the expiration of time set in the contract.

By reason of certain orders for additional work the contract was increased to $70,893. There were, however, deductions made to the amount of $4,462.44. The final payment on account of this contract of $7,825.39 was made on June 3, 1914. This made the total payments $66,430.56, which is the same amount as the contract as finally adjusted.

On June 29, 1914; January 30, 1915, and February 1, 1915, Henry J. Fox, the contractor, filed with the Comptroller claims of $15,314.75, $400 and $200, respectively, all amounts alleged to be due him under the terms of the contract for extra work, deductions made and other incidental charges connected with completing the work.

After due investigation the Comptroller, pursuant to the provisions of section 149 of the Greater New York Charter, determined that the claimant had a just and legal claim against the City to the amount of $12,562.87. A payment of $3,000 was made on account of this claim on February 26, 1915. This amount, deducted from the amount of the claim as adjusted and allowed by the Comptroller, leaves a balance of $9,562.87 to be paid.

In the fund C. D. B.—38C, Municipal Building, Water and Gas Mains, Regrading and Paving, to which this amount is properly chargeable, there is an unencumbered balance of $3,709.75.

In order that the claim might finally be adjusted and the claimant paid the amount due him without further delay, we recommend that the necessary additional sum of $5,853.12 be transferred from account "C. F. M.—24, Moneys Available for Permanent Improvements for which Corporate Stock May Lawfully Be Issued," to the fund C. D. B.—38C.

The adoption of the attached resolution will effect the above recommendation.

Respectfully, WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; E. W. VOORHIES, Acting President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, as amended by chapter 36 of the Laws of 1913, hereby applies five thousand eight hundred and fifty-three dollars and twelve cents ($5,853.12) from the fund entitled "C. F. M.—24, Moneys Available for Permanent Improvement for which Corporate Stock May Lawfully Be Issued," to provide means for the laying and rearranging of water and gas mains and the necessary regrading and repaving on and adjacent to the site of the Municipal Building, Park Row, Centre and Duane Streets, Borough of Manhattan (C. D. B. 38C). under the jurisdiction of the Commissioner of Bridges.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

Department of Parks, Borough of Queens—Amendment of Issue of Corporate Stock (Cal. No. 7).

(On January 29, 1915 (No. 123), the request of the Commissioner of Parks, Borough of Queens, in this matter, was referred to the Committee on Corporate Stock Budget.)

The Secretary presented a communication, dated January 27, 1915, from the Commissioner of Parks, Borough of Queens, requesting an amendment of resolution adopted July 10, 1914 (Cal. No. 14), authorizing an issue of $30,000 corporate stock for the improvement of various parks, etc., in the Borough of Queens; and the following report of the Committee on Corporate Stock Budget recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, March 1, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On January 29, 1915, you referred to the Corporate Stock Budget Committee a communication from the Commissioner of Parks, Borough of Queens, dated January 27, 1915, requesting an *amendment* to a resolution authorizing $30,000 in corporate stock for the improvement of parks in the Borough of Queens, by *adding* to the purpose of one item thereof the words "and railroad siding."

On July 10, 1914, $30,000 was authorized for improvements in the various parks of the Borough of Queens. Of this amount $10,000 was for the construction of a storehouse, shops and shed in Forest Park. This amount has been found to be insufficient for the purpose and an application for an additional appropriation for a service building is now before the Board.

Included in the pending application is a request for $7,000 for the construction of a trolley service, trestle and railroad siding, the timber for the trestle to be furnished by the department from the supply due to the cutting down of trees in connection with the laying out of the new golf course.

The approval of the proposed amendment will have the same effect as the granting of that portion of the pending request.

The construction of the proposed trestle will enable the purchase of coal and other material in carload lots, which will greatly reduce the cost. In addition, if your Board grants the application for the construction of the service building it is expected that the fact that the building materials can be delivered by rail on the site will effect a reduction in the cost of the building which will exceed the estimated cost of the siding.

We recommend the adoption of the attached resolution approving the request.

Respectfully, WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

Mr. Stewart Browne appeared in opposition to the request.

The following resolution was offered:

Resolved, That, subject to the concurrence herewith of the Board of Aldermen, that portion of the resolution adopted by the Board of Estimate and Apportionment on July 10, 1914, and concurred in by the Board of Aldermen on August 27, 1914, which reads as follows:

"Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 47 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding thirty thousand dollars ($30,000) to provide means for the purposes of the Department of Parks, Borough of Queens, as follows:

Forest Park, Golf Links	$5,000 00
Forest Park, Steps at Golf House	500 00
Forest Park, Storehouse, Shops and Sheds	10,000 00
Forest Park, Piping Golf Links	2,000 00
Forest Park, Extension at Office Building	8,500 00
Kissena Park, Piping to Nursery	500 00
Kissena Park, General Improvement	1,500 00
Engineering Services	2,000 00
Total	$30,000 00

"—and that when authority therefor shall have been obtained from the Board of Aldermen, the Comptroller be and is authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds thereof to the amount of the par value of the stock to be applied to the purposes aforesaid."

—be and the same is hereby *amended* by adding to the item *"Forest Park, Storehouse, Shops and Sheds,"* the words *"and Railroad Siding."*

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

Brooklyn Public Library—Enlarging the Ridgewood Branch of Library (Cal. No. 8.)

(On November 20, 1914 (Cal. No. 150), and on November 25, 1914 (Cal. No. 78), communications in this matter were referred to the Board of Trustees of the Brooklyn Public Library for report.)

(On February 26, 1915 (Cal. No. 43), the report of the Board of Trustees of the Brooklyn Public Library recommending favorable action on the communications, was presented and referred to the Committee on Corporate Stock Budget and to the Committee on the City Plan.)

The Secretary presented a communication from the Board of Trustees of Brooklyn Public Library relative to site for a new Carnegie Branch Library Building in the neighborhood of the Bushwick High School, Brooklyn; and the following report of the Committee on Corporate Stock Budget:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, March 31, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On February 26, 1915, you referred to the Corporate Stock Budget Committee a communication from the Board of Trustees of the Brooklyn Public Library dated February 9, 1915, relative to communications from W. S. Mills, Principal of Public School 75, and Frank Rollins, Principal of Bushwick High School, urging the purchase by the City of a site for the construction of a new Carnegie Branch Library Building in the neighborhood of the Bushwick High School, Brooklyn.

The City now owns property fronting 460 feet on Irving Avenue and 554 feet on Putnam Avenue and 575 feet 9 inches on proposed Woodbine Street. Of this the Irving Avenue front for a depth of 300 feet on Putnam Avenue and on Woodbine Street, is under the jurisdiction of the Department of Education; the Bushwick High School building occupying 200 feet by 200 feet, and the athletic field the balance.

The remainder of the property has a frontage of 254 feet on Putnam Avenue, extends 460 feet through to Woodbine Street and is under the jurisdiction of the Department of Parks, being used for playground purposes.

The report of the condemnation commissioners in the proceeding to open Woodbine Street adjoining this land is now before the court for confirmation; title has not been vested in the City.

There is a large part of the adjoining block, bounded by Irving Avenue, Palmetto Street, Knickerbocker Avenue and the proposed Woodbine Street, which is unimproved vacant property.

It is proposed to have the City purchase part of this vacant property as a site for a Carnegie Library building.

The Ridgewood branch of the Brooklyn Public Library is now located in rented quarters at Knickerbocker Avenue and Manahan Street. This branch has a circulation of approximately 123,000 books per annum. If relocated in the neighborhood of Bushwick High School it would be about equidistant from the DeKalb and Saratoga branches, thus affording better distributing facilities for this section of Brooklyn. The new location would also be more convenient to a large section of Queens which now uses the Ridgewood Branch of the Queens Borough Public Library at Onderdonk Avenue and Harmon Street; the construction of a library at Bushwick High School, it is stated by the Queens Borough Library authorities, would permit of the relocation of this branch in a more advantageous position at a decreased rental.

The property now owned by the City at Irving and Putnam Avenues covers an area of 259,842 square feet. Of this 121,842 square feet are under the jurisdiction of the Department of Parks and 138,000 square feet are under the jurisdiction of the Department of Education. Of the latter area a plot of 40,000 square feet is occupied by the Bushwick High School building. The area devoted to recreational purposes is 219,842 square feet. Part of this may be required for the extension of the building of Bushwick High School.

A plot 50 by 100 feet containing 5,000 square feet would be sufficient to accommodate a library building large enough to meet all the requirements of this section. This area could easily be spared from the ground now devoted to recreational purposes.

The advantages to be gained by this method will be as follows:

1. The acquisition of a site for the branch library without expense to the City.
2. Saving of $840 per annum, the rental of the present quarters, and a better location near the high school for the Ridgewood branch of the Brooklyn Public Library.
3. Reduction in rental and a more advantageous location for the Ridgewood branch of the Queens Borough Library.
4. Better and increased facilities for the operation of the Ridgewood (Brooklyn) Library.

By the terms of the contract between the City of New York and the representative of Andrew Carnegie for the erection of branch libraries in the Borough of Brooklyn, the City was to provide a minimum of twenty sites for the Borough. These have been provided and the buildings erected. The Carnegie Committee has a sufficient available balance for and offers to erect another building in this Borough.

We believe it would be advantageous for the City to obtain this building, inasmuch as the site can be provided without cost to the City and with but slight increase in the cost of operation and maintenance.

It is suggested, therefore, that the Board of Trustees of the Brooklyn Public Library request the Board of Education to turn over to the Sinking Fund Commission for the purpose of the erection of a branch library building thereon, a portion of the high school athletic field of the required area.

We recommend the disapproval of the purchase of additional property for the purpose of erecting a branch library building near the Bushwick High School, because of the large vacant area now owned at that point by the City, and that a copy of this report be forwarded to the Board of Trustees of the Brooklyn Public Library and to the Committee on Sites of the Board of Education, with the request that the Board of Trustees take such action as may be necessary to have the Board of Education turn over to them a part of the site adjacent to the Bushwick High School for the purpose of erecting thereon a branch of the Brooklyn Public Library.

Respectfully, WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; E. W. VOORHIES, Acting President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The report of the Committee on Corporate Stock Budget was referred to the Board of Trustees of the Brooklyn Public Library for action and report thereon.

Committee on Salaries and Grades.

Department of Education—Retirement of Samuel A. Budd, Janitor (Cal. No. 9).

(On July 30, 1914 (Cal. No. 248), the resolution of the Board of Education in this matter was referred to the Committee on Salaries and Grades.)

The Secretary presented a resolution adopted on July 22, 1914, by the Board of Education, requesting retirement of Samuel A. Budd, Janitor; and the following report of the Committee on Salaries and Grades recommending approval thereof:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, October 17, 1914.

To the Honorable Board of Estimate and Apportionment, the City of New York:

Gentlemen—At a meeting of your Honorable Board on July 30, 1914, there was submitted a communication from the Board of Education recommending the retirement, under the provisions of Chapter 669 of the Laws of 1911, as amended by Chapter 479 of the Laws of 1912, of Samuel A. Budd, Janitor of Public School 76, Brooklyn. The report of the Committee on Care of Buildings, and the resolution adopted by the Board of Education pursuant to the said report, are as follows:

"To the Board of Education:

"The Committee on Care of Buildings respectfully reports that it has had under consideration an application for retirement, under the provisions of Chapter 669 of the Laws of 1911, as amended by Chapter 479 of the Laws of 1912, from Samuel A. Budd, Janitor of Public School 76, Brooklyn. Mr. Budd entered the service of the Board of Education of the City of Brooklyn in October, 1892, and became an employee of the Board of Education of the City of New York upon consolidation

in 1898. He is, in the opinion of your Committee, incapacitated for further service. Evidence has been submitted to the effect that Mr. Budd is a veteran of the Civil War. As Mr. Budd appears to be eligible for retirement on pension, it is recommended that the Board of Estimate and Apportionment be requested to take action looking to his retirement. Your Committee submits for adoption the following resolution:

"Resolved, That the Board of Estimate and Apportionment be, and it is hereby respectfully requested to retire from active service, in accordance with the provisions of Chapter 669 of the Laws of 1911, as amended by Chapter 479 of the Laws of 1912, Samuel A. Budd, Janitor of Public School 76, Brooklyn, and to award and grant him an annual sum or annuity equal to one-half of the amount of his annual salary or compensation for the three years next preceding the date of his retirement."

Mr. Budd is a veteran of the Civil War, having enlisted on August 16, 1862, First Regiment of Mounted Rifles, New York. He was discharged on June 12, 1865, with the rank of Corporal.

Mr. Budd's original appointment and subsequent changes in compensation have been obtained from original records as follows:

October 22, 1892, appointed Janitor of Public School No. 76, Board of Education, Brooklyn, at $1,200 per annum.

April 1st, 1900, compensation changed to $1,395 per annum.

January 1, 1902, compensation increased to $1,536 per annum.

January 1, 1907, compensation changed to $1,884 per annum.

May 1, 1908, compensation fixed at $1,968 per annum.

The payrolls and time sheets have been examined and the following service established:

1892—October 24 to December 31	2 months
1893—January 1 to December 31	12 months
1894—January 1 to December 31	12 months
1895—January 1 to December 31	12 months
1896—January 1 to December 31	12 months
1897—January 1 to December 31	12 months
1898—July 1 to December 31	6 months
1899—January 1 to December 31	12 months
1900—January 1 to December 31	12 months
1901—January 1 to May 31	5 months
1902—January 1 to December 31	12 months
1903—January 1 to December 31	12 months
1904—January 1 to December 31	12 months
1905—January 1 to December 31	12 months
1906—February 1 to December 31	11 months
1907—January 1 to May 31	5 months
1907—July 1 to December 31	6 months
1908—January 1 to December 31	12 months
1909—January 1 to December 31 (February Payroll Missing.)	11 months
1910—January 1 to December 31	12 months
1911—January 1 to December 31	12 months
1912—January 1 to December 31	12 months
1913—January 1 to December 31	12 months
1914—January 1 to August 31	8 months
	246 months

—equivalent to 20 years, 6 months.

Dr. J. H. Byrne, Medical Examiner of the Department of Finance, examined Mr. Budd on August 29, 1914, and states that he is unfit for the duties of his position. The Medical Examiner's detailed report is attached hereto.

Mr. Budd, in an affidavit dated August 20, 1914, stated that he has never filed a claim or brought suit against the City of New York for payment of salary or wages or for any other claim except that on October 11, 1910, deponent filed a claim for $552 for extra services, which claim was disallowed and same was withdrawn by deponent.

An examination of the records of the Division of Law and Adjustment of the Department of Finance discloses the fact that a claim was filed by Mr. Budd on October 20, 1910, for $536. for services during the years 1906 to 1910, inclusive, and that said claim was disallowed and withdrawn.

For the period from September 1, 1911, to August 31, 1914, the rate of compensation provided for Mr. Budd in the budget and the amount he actually received, was $1,968 per annum.

In addition to this, he received, on a supplemental payroll, compensation for the care of playgrounds during the vacation period, as follows:

1912, July and August—$2 per day	$96 00
1913, July and August—$2 per day	95 00
1914, July and August—$2 per day	94 00
	$285 00

—an average of $95 per annum, making his gross average compensation $2,063.

Janitors of public schools, however, are required to employ and pay their help, and the rate of compensation is fixed accordingly.

It becomes necessary, therefore, in order to determine Mr. Budd's personal compensation, to take into consideration the amount paid by him for such help.

Mr. Budd states that he has kept no record of his transactions with his employees.

He has, however, executed an affidavit stating what help he has employed during the last three years, and the amounts paid therefor. The affidavit is attached hereto.

His disbursements during the past three years, based on the statement contained in said affidavit, were as follows:

Sept. 1, 1911, to Aug. 31, 1914, Matron—36 months at $25 per month	$900 00
Sept. 1, 1911, to Dec. 31, 1911, 2 Sweepers—4 months each at $13 per month	104 00
Jan. 1, 1912 to Dec. 31, 1912, 2 Sweepers, 11 months each at $13 per month	286 00
Jan. 1 to June 30 and Sept. 1 to Dec. 31, 1913, 1 Sweeper, 10 months at $13 per month	130 00
Jan. 1 to May 1, and Oct. 1 to Dec. 31, 1913, 1 Sweeper, 7 months at $13 per month	91 00
Jan. 1 to June 30, 1914—1 Sweeper at $13 per month	78 00
Jan. 1 to Apr. 30, 1914—1 Sweeper at $13 per month	52 00
Total	$1,641 00

—or an average of $547 per annum, and this deducted from the gross compensation ($2,063) gives $1,516, representing his average personal compensation for the past three years.

We recommend the adoption of the accompanying resolution retiring Samuel A. Budd from active service and awarding and granting him an annuity of $758, being a sum equal to 50 per centum of his average rate of net annual compensation for the last three years. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Whereas, Samuel A. Budd, employed as a Janitor in the Department of Education is an honorably discharged soldier who served as such in the Union Army during the War of the Rebellion, has been in the employ of the City of New York or of one of the municipalities, counties or parts thereof which have been incorporated into The City of New York, for a period of twenty years and upward, and is physically incapacitated for the further performance of the duties of his position, therefore, be it

Resolved, That the interest of the public service requires his retirement, and that the Board of Estimate and Apportionment, pursuant to the provisions of sections 165, 166 and 167 of the Greater New York Charter, as amended by chapter 669 of the Laws of 1911 and chapter 479 of the Laws of 1912, hereby does retire from active service Samuel A. Budd employed as a Janitor by the Department of Education and hereby awards and grants to said Samuel A. Budd an annual sum or annuity of Seven hundred and fifty-eight dollars ($758), being fifty per centum of his average annual rate of net compensation for the three years immediately preceding the taking effect of this resolution; this resolution to take effect upon the first day of the month following its adoption, subject to the execution by the annuitant of a general release; and be it further

Resolved, That the Comptroller of The City of New York be and he is hereby directed to pay said annuity to said Samuel A. Budd during his lifetime in equal monthly installments out of the receipts of excise moneys or liquor taxes belonging to The City of New York.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

President, Borough of Queens—Modification of Schedule (Cal. No. 10).

The Secretary presented a communication dated May 12, 1915, from the Acting President of the Borough of Queens, requesting modification of schedule for 1915; and the following report of the Committee on Salaries and Grades:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision.

To the Board of Estimate and Apportionment:

Gentlemen—On May 12, 1915, the Acting President of the Borough of Queens requested modification of schedule for his office for the year 1915 for salaries of temporary employees. The Bureau of Contract Supervision reports thereon as follows:

"In Salaries of Temporary Employees, Engineering, Construction, No. 664C, it is requested that the line 'Transitman, at $1,500 (30 months), $3,750' be changed to read 'Transitman at $1,500 (60 months), $7,500,' and the line 'Rodman, at $1,200 (30 months), $3,000' be changed to read 'Rodman, at $1,200 (45 months), $4,500.' At the time of the preparation of the budget it was stated in order to provide engineering supervision of the construction of the Corona Trunk Sewer, that provision for six Transitmen and six Rodmen for a period of five months each would be sufficient. At the present rate of progress the driving of the tunnel for the sewer will not be completed until the end of the year. It is necessary that line and grade parties be maintained until the completion of the work, as follows:

4 Rodmen, June 1 to October 1, 4 months	16 months
1 Rodman, October 1 to January 1, 3 months	3 months
	19 months
Less balance in schedule line as of June 1	7 months
Additional time required	12 months
6 Transitmen, June 1 to October 1, 4 months	24 months
2 Transitmen, October 1 to January 1, 3 months	6 months
Additional time required	30 months

"Inasmuch as the line 'Inspector of Tunnel Construction, at $1,500 (60 months), $7,500,' which was to provide for tunnel inspection on the sewer, has not been used, it is recommended that the line be reduced from '60 months, $7,500,' to '20 months, $2,500.' This schedule is chargeable to the 'Street Improvement Fund' as the work is an assessment charge."

In view of the foregoing, we recommend the adoption of the attached resolution granting the request to the extent noted above, and modifying, instead of increasing the schedule as requested. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the office of the President of the Borough of Queens for the year 1915, as follows:

Personal Service, Salaries Temporary Employees, Engineering Construction.

664C	Special Corporate Stock (Assessment) Fund Force—	
	Transitman, at $1,500 (60 months)	$7,500 00
	Rodman, at $1,200 (42 months)	4,200 00
	Axeman, at $900 (15 months)	1,125 00
	Inspector of Tunnel Construction, at $1,500 (20 months)	2,500 00
	Inspector of Iron and Steel, at $1,500 (12 months)	1,500 00
	Schedule Total	$16,825 00
	Special Corporate Stock (Assessment) Allowance	$16,825 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

President, Borough of Queens—Authority to Fill Vacancy (Cal. No. 11).

The Secretary presented a communication dated May 18, 1915, from the President of the Borough of Queens, requesting authority to fill vacant position of Assistant Engineer, allowed in the Budget for 1915; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, May 22, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 18, 1915, the President of the Borough of Queens requested approval, under resolution 2C of the terms and conditions of the 1915 budget, to fill a vacancy. The Bureau of Standards reports thereon as follows:

"In Salaries, Regular Employees, Code No. 661TC, it is desired to fill a vacant position of Assistant Engineer at $1,800 by the reinstatement of Mr. John T. Keeler, formerly Assistant Engineer at $1,800 in the office of the President of the Borough of Queens, who was suspended for lack of work on December 17, 1914. The salary limits of the grade in which this work falls are $1,260 and $2,100."

In view of the above report we recommend the adoption of the attached resolution granting the request. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the terms and conditions of resolution "Second (c)," accompanying the Budget for the year 1915, hereby authorizes the President of the Borough of Queens to fill a vacant position of Assistant Engineer at $1,800 in Code No. 661TC, by the reinstatement of Mr. John T. Keeler, and specially waives the minimum clause of said resolution in this case.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Parks, Borough of Queens—Modification of Schedule (Cal. No. 12).

The Secretary presented a communication dated May 14, 1915, from the Commissioner of Parks, Borough of Queens, requesting modification of schedule for 1915; and the following report of the Committee on Salaries and Grades:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, May 25, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 14, 1915, the Department of Parks, Queens, requested modification of Code No. 1375, Salaries Regular Employees. The Bureau of Standards reports thereon as follows:

"The request is to change a vacant position of Clerk, $900, to Telephone Operator, $720; and transfer Mrs. Mary O'Connor, at present an Attendant at $2 per day, to fill this position. The telephone work required does not warrant the employment of a Telephone Operator.

"Mrs. O'Connor, in addition to her regular duties as Attendant, which do not require her entire time, answers the calls, which are limited in number, on the switchboard.

"The Civil Service Commission informs us that the transfer of Mrs. O'Connor cannot be effected as the positions are dissimilar."

In view of the above facts, we recommend the adoption of the attached resolution denying the request, eliminating the line "Clerk, at $900," and transferring this amount to unassigned balance. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby *denies the* request of the Commissioner of Parks, Borough of Queens, as set forth in a communication dated March 14, 1915, for the modification of schedule 1375 for the year 1915, to provide for the transfer of Mrs. Mary O'Connor from the position of Attendant at $2 per diem, to the position of Telephone Operator at $720 per annum.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Parks, Borough of Queens, for the year 1915, as follows:

Personal Service, Salaries, Regular Employees, Administration.

1375	General—	
	Secretary to Commissioner	$2,500 00
	Superintendent	4,000 00
	Assistant Superintendent	2,400 00
	Stenographer	1,200 00
	Stenographer to Commissioner	1,200 00
	Clerk	1,920 00
	Clerk	1,350 00
	Clerk	1,260 00
	Clerk	1,050 00
	Storekeeper	1,200 00
	Forester	1,950 00
	Arboriculturist	1,500 00
	Messenger	1,050 00
	Automobile Engineman, 2 at $1,200	2,400 00
	Watchman, 7 at $600	4,200 00
	Balance unassigned	900 00
	Schedule Total	$30,080 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The Secretary was then directed to send copy of the report of the Committee on Salaries and Grades to the Commissioner of Parks, Borough of Queens.

Department of Health—Modification of Schedule (Cal. No. 13).

The Secretary presented a communication dated May 11, 1915, from the Commissioner of Health, requesting modification of schedule involving a transfer within the appropriation for said department for 1915; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, May 25, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 11, 1915, the Department of Health requested modification of four appropriation accounts for the year 1915, to be effective as of May 1. The Bureau of Standards reports thereon as follows:

"In Account No. 1817, Administration, Executive, it is proposed to change the line, 'Typewriting Copyist, 11 at $600,' to read, 'Typewriting Copyist, 6 at $600,' and the line, 'Typewriting Copyist, 13 at $660,' to 'Typewriting Copyist, 18 at $660.' The purpose of the request is to increase the compensation from $600 to $660 per annum for Cecelia Burns, Marjorie Schemmer, Margaret McDonough, May Finn and Augusta Gluck, Typewriting Copyists, who entered the service on May 1, 1914, May 1, 1914, April 20, 1914, May 21, 1914, and April 1, 1914, respectively. Provision was made in the Budget for 1915 for these increases, but Civil Service rules require one year's service before eligibility to increase in rate. The necessary funds for the proposed increases are to be transferred from an unassigned balance established in No. 1817 for the purpose.

"For similar reasons to the above, request is made for the increase in rate from $600 to $660 for Selma Johnson, Typewriting Copyist, in Account No. 1822, Vital Statistics, and Wilhelmina Roth, Typewriting Copyist, in Account No. 1826, Sanitary Inspection, and for Mary V. Healy, Stenographer and Typewriter, from $600 to $720, in Account No. 1826, who entered the service on May 1, 1914, May 20, 1914, and May 21, 1914, respectively. The funds are to be provided from unassigned balances in Accounts Nos. 1822, 1817 and 1826.

"It is proposed in No. 1823, Child Hygiene, to substitute a Clerk at $750 for a Stenographer and Typewriter at the same rate. The latter, who has resigned, had been performing clerical work. According to the proposed specifications for the Clerk Group, the work to be performed falls within Grade 2, with minimum rate of $540. The difference of $210 is placed in Unassigned Balance.

"On May 21 the Commissioner orally requested additional modification of Account No. 1823, and of No. 1824, Infants' Milk Stations, for the purpose of correcting an error in modification of April 30, in the failure to transfer four Nurses at $900 per annum from No. 1824 to No. 1823, where they are employed, in exchange for four Nurses at $1,020 per annum transferred from No. 1823 to No. 1824."

In view of the above facts, we recommend that the requests be granted by the adoption of the attached resolutions modifying the schedules and transferring the necessary amounts. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen, Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves of the transfer of funds appropriated to the Department of Health for the year 1915, as follows:

FROM

Personal Service, Salaries Regular Employees, Administration.

1817	Executive	$40 00
1822	Vital Statistics	40 00
	Personal Service, Salaries Regular Employees, Promoting Public Health.	
1824	Infants' Milk Stations	2,400 00
		$2,480 00

TO

Personal Service, Salaries Regular Employees, Promoting Public Health.

1823	Child Hygiene	$2,400 00
1826	Sanitary Inspection—Tax Levy Force	80 00
		$2,480 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Health for the year 1915, to be effective as of May 1, 1915, as follows:

Personal Service, Salaries Regular Employees, Administration.

1817	Executive—	
	Commissioner	$7,500 00
	Secretary to President	3,000 00
	Stenographer to President	1,200 00
	Secretary	5,000 00
	Medical Inspector	1,500 00
	Clerk	3,000 00
	Clerk, 2 at $2,400	4,800 00
	Clerk	2,100 00
	Clerk	1,800 00
	Clerk	1,650 00
	Clerk, 2 at $1,500	3,000 00
	Clerk	1,350 00
	Clerk, 7 at $1,200	8,400 00
	Clerk, 7 at $900	6,300 00
	Clerk	780 00
	Clerk, 2 at $750	1,500 00
	Clerk	600 00
	Clerk, 5 at $540	2,700 00
	Clerk, 7 at $480	3,360 00
	Clerk, 6 at $300	1,800 00
	Law Clerk	2,400 00
	Bookkeeper	1,200 00
	Laboratory Assistant	900 00
	Laboratory Assistant	750 00
	Stenographer and Typewriter, 9 at $900	8,100 00
	Stenographer and Typewriter, 7 at $750	5,250 00
	Stenographer and Typewriter, 9 at $600	5,400 00
	Stenographer and Typewriter	720 00
	Typewriting Copyist	900 00
	Typewriting Copyist, 7 at $750	5,250 00
	Typewriting Copyist, 2 at $720	1,440 00
	Typewriting Copyist, 18 at $660	11,880 00
	Typewriting Copyist, 6 at $600	3,600 00
	Telephone Switchboard Operator, 8 at $900	7,200 00
	Telephone Switchboard Operator	750 00
	Automobile Engineman, 5 at $1,200	6,000 00
	Messenger	1,050 00
	Nurse	900 00
	Laborer	720 00
	Unassigned, available only for increase of salaries for Stenographers and Typewriters and Typewriting Copyists	900 00
	Schedule total	$126,650 00

Personal Service, Salaries Regular Employees, Administration.

1822	Vital Statistics—	
	Registrar of Records	$5,000 00
	Assistant Registrar of Records, 5 at $3,000	15,000 00
	Medical Clerk, 5 at $1,380	6,900 00
	Medical Clerk	1,200 00
	Tabulator	1,800 00
	Clerk, 4 at $1,800	7,200 00
	Clerk	1,500 00
	Clerk, 3 at $1,200	3,600 00
	Clerk, 2 at $900	1,800 00
	Clerk	600 00
	Clerk	540 00
	Clerk, 3 at $480	1,440 00
	Clerk, 2 at $300	600 00
	Stenographer and Typewriter, 2 at $900	1,800 00
	Typewriting Copyist, 7 at $750	5,250 00
	Typewriting Copyist, 3 at $660	1,980 00
	Typewriting Copyist, 2 at $600	1,200 00
	Bookbinder, 2 at $1,200	2,400 00
	Bookbinder's Seamstress	750 00
	Photographer	900 00
	Laborer	900 00
	Unassigned balance	540 00
	Unassigned, available only for increase of salaries for Typewriting Copyists	120 00
	Schedule total	$63,020 00

Personal Service, Salaries Regular Employees, Promoting Public Health.

1823	Child Hygiene—	
	Director of Bureau of Child Hygiene	$5,000 00
	Chief of Division	3,000 00
	Medical Inspector	2,550 00
	Medical Inspector	2,100 00
	Medical Inspector, 2 at $1,800	3,600 00
	Medical Inspector, 10 at $1,500	15,000 00
	Medical Inspector, 5 at $1,380	6,900 00
	Medical Inspector, 141 at $1,200	169,200 00
	Medical Inspector, 2 at $1,020	2,040 00
	Nurse	1,500 00
	Nurse, 14 at $1,050	14,700 00
	Nurse, 20 at $1,020	20,400 00
	Nurse, 221 at $900	198,900 00
	Dentist	1,500 00
	Dentist, 9 at $1,200	10,800 00
	Surgeon, 2 at $1,560	3,120 00
	Chief, Division of Employment Certificates	1,800 00
	Clerk	1,500 00
	Clerk, 2 at $1,200	2,400 00
	Clerk, 3 at $900	2,700 00
	Clerk, 2 at $750	1,500 00
	Clerk, 6 at $600	3,600 00
	Clerk, 4 at $540	2,160 00
	Clerk, 5 at $480	2,400 00
	Clerk, 5 at $300	1,500 00
	Stenographer and Typewriter	1,200 00
	Typewriting Copyist, 2 at $720	1,440 00
	Typewriting Copyist	660 00
	Typewriting Copyist	600 00
	Cleaner, 5 at $360	1,800 00
	Hospital Clerk, 2 at $720	1,440 00
	Hospital Clerk, 2 at $600	1,200 00
	Watchman	720 00
	Watchman	600 00
	Orderly, 2 at $600	1,200 00
	Helper	720 00
	Helper	600 00
	Helper	360 00
	Domestic, 7 at $360	2,520 00
	Laborer	120 00
	Unassigned balance	210 00
	Unassigned, available only for increase of salaries for Typewriting Copyists	60 00
	Schedule total	$495,320 00

Personal Service, Salaries Regular Employees, Promoting Public Health.

1824	Infants' Milk Stations--	
	Medical Inspector	$1,950 00
	Medical Inspector, 2 at $1,500	3,000 00

	Medical Inspector	1,380 00
	Medical Inspector, 18 at $1,200	21,600 00
	Medical Inspector	1,020 00
	Nurse, 2 at $1,050	2,100 00
	Nurse, 4 at $1,020	4,080 00
	Nurse	1,200 00
	Nurse, 54 at $900	48,600 00
	Nurse's Assistant, 57 at $480	27,360 00
	Clerk, 3 at $900	2,700 00
	Cleaner, 29 at $360	10,440 00
		$125,430 00

Personal Service, Salaries Regular Employees, Sanitary Inspection.

1826	Tax Levy Force—	
	Sanitary Superintendent	$6,000 00
	Assistant Sanitary Superintendent, 5 at $3,500	17,500 00
	Medical Inspector	2,550 00
	Medical Inspector, 5 at $1,200	6,000 00
	Sanitary Engineer	2,400 00
	Sanitary Inspector	2,550 00
	Sanitary Inspector, 2 at $1,800	3,600 00
	Sanitary Inspector	3,000 00
	Sanitary Inspector, 8 at $1,500	12,000 00
	Sanitary Inspector	1,440 00
	Sanitary Inspector, 7 at $1,320	9,240 00
	Sanitary Inspector, 48 at $1,200	57,600 00
	Sanitary Inspector	750 00
	Clerk, 3 at $1,500	4,500 00
	Clerk	1,260 00
	Clerk, 3 at $1,200	3,600 00
	Clerk	900 00
	Clerk	750 00
	Clerk, 2 at $540	1,080 00
	Clerk, 4 at $480	1,920 00
	Clerk, 8 at $300	2,400 00
	Stenographer and Typewriter, 2 at $720	1,440 00
	Typewriting Copyist, 2 at $750	1,500 00
	Typewriting Copyist	660 00
	Laborer, 2 at $780	1,560 00
	Laborer, 14 at $660	9,240 00
	Driver	840 00
	Foreman of Laborers, 3 at $1,200	3,600 00
	Chauffeur	1,200 00
	Lieutenant	2,250 00
	Sergeant, 2 at $1,750	3,500 00
	Patrolman, 50 at $1,400	70,000 00
		$236,830 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Health—Authority to Fill Vacancy (Cal. No. 14).

The Secretary presented a communication dated March 1, 1915, from the Commissioner of Health requesting authority to fill vacant position of Clerk allowed in the Budget for 1915; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, May 17, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On March 1, 1915, the Department of Health requested permission, in accordance with the terms and conditions of the budget of 1915, to fill a vacant position of Clerk in that department. The Bureau of Standards reports thereon as follows:

"This request is to promote Moe Rabinowitz, now employed as Clerk at $480 per annum in Code 1829 to the vacant position of Clerk at $540 per annum in the same code created in the budget of 1915. Mr. Rabinowitz is assigned to the Bureau of Laboratories and keeps the stores ledger of this bureau, he also has charge of the stationery store room, keeping the account of the issues of same. This work falls within Grade 2 of the Clerk Group of the proposed specifications with an annual salary range of $540 to $720. Mr. Rabinowitz entered the service of the City of New York in the Commissioners of Accounts office as first grade Clerk on November 1, 1912, at $300 per annum, resigned on September 17, 1913; was apointed to the same position in the Department of Health on November 14, 1913; was increased to $480 per annum on April 1, 1914. The request involves a salary increase of $60 to the minimum rate of the proposed specifications."

In view of the facts set forth above we recommend that the request be approved by the adoption of the attached resolution. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the terms and conditions of Resolution "Second (c)" accompanying the Budget for the year 1915, hereby authorizes the Commissioner of Health to fill a vacant position of Clerk at $540 per annum in schedule 1829 by the promotion of Moe Rabinowitz from $480 to $540 per annum.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

Department of Correction—Authority to Fill Vacancy (Cal. No. 15).

The Secretary presented a communication dated May 18, 1915, from the Deputy and Acting Commissioner of Correction, requesting authority to fill vacant position of Nurse allowed in the Budget for 1915; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, May 20, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 18, 1915, the Deputy and Acting Commissioner of the Department of Correction requested a certification for the filling of a vacant position of Nurse at $600 per annum. The Bureau of Standards reports thereon as follows:

"The position is a new one, having been provided for in the budget for 1915 in account No. 2632. It is proposed to fill the vacancy by the promotion of Miss Theresa Keaveny, at present employed as a Nurse at a salary of $360 per annum. Miss Keaveny has been employed in the Department of Correction as a Nurse since February 1, 1902. She is a Trained Nurse.

"Miss Keaveny's duties as a Nurse at $600 per annum are to be as follows: 'In addition to her former duties as Nurse she is to be placed in charge of the ward recently set aside for drug users; to supervise the work of hospital orderlies and an Assistant Nurse.'

"The duties as described above fall in the first grade of the Nurse Group, Professional Service, with a minimum salary of $600 per annum."

In view of the foregoing we recommend the adoption of the attached resolution authorizing the filling of the vacant position of Nurse at $600 by the promotion of Miss Theresa Keaveny, a Nurse at $360. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the terms and conditions of Resolution "Second (c)" accompanying the budget for the year 1915, hereby authorizes the Commissioner of Correction to fill a vacant position of Nurse at $600 per annum in schedule No. 2632 by the promotion of Miss Theresa Keaveny, from $360 per annum.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Water Supply, Gas and Electricity—Modification of Schedule (Cal. No. 16).

The Secretary presented a communication dated May 20, 1915, from the Commissioner of Water Supply, Gas and Electricity requesting modification of schedule for 1915; and the following report of the Committee on Salaries and Grades recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 25, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 20, 1915, the Commissioner of Water Supply, Gas and Electricity requested modification of a wage schedule in his Department for 1915. The Bureau of Contract Supervision reports thereon as follows:

"In Personal Service, Wages Temporary Employees, Water Supply, Pumping, No. 2198, Tax Levy Force, the allowance for Stationary Engineer, at $4.50 per day, is increased from 2,223 days to 2,794 days, and the allowance for Stoker, at $3 per day, from 1,466 days to 1,950 days, and $1 is scheduled as unassigned. This change is provided for by reducing the present time allowances for other classes of mechanics and laborers.

"The requested modification was necessitated by the temporary operation of pumping stations in Queens, which were expected to be shut down during 1915, and delay in the completion of the Southfield Boulevard plants in Richmond, which were to be automatically operated."

In view of the foregoing, we recommend the approval of the attached resolution granting the request. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Department of Water Supply, Gas and Electricity, for the year 1915, as follows:

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Personal Service, Wages Temporary Employees, Water Supply, Pumping.

2198	Tax Levy Force—	
	Stationary Engineer, at $4.50 per day (2,794 days)	$12,573 00
	Oiler, at $3 per day (330 days)	990 00
	Stoker, at $3 per day (1,950 days)	5,850 00
	Bricklayer, at $6 per day (221 days)	1,326 00
	Pipefitter, at $5.50 per day (82 days)	451 00
	Machinist, at $4.50 per day (14 days)	63 00
	Machinist's Helper, at $3 per day (6 days)	18 00
	Pipefitter's Helper, at $3 per day (82 days)	246 00
	Mason's Helper, at $3 per day (80 days)	240 00
	Laborer, at $2.50 per day (78 days)	195 00
	Balance unassigned	1 00
	Schedule total	$21,953 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Committee on Standardization of Supplies.

Board of Estimate and Apportionment; Bureau of Standards—Approval of Standard Specifications for Purchase of Drugs and Chemicals (Cal. No. 17).

The Secretary presented the following report of the Committee on Standardization of Supplies submitting for approval standard specifications for the purchase of Drugs and Chemicals:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, March 22, 1915.

The Committee on Standardization of Suppplies, Board of Estimate and Apportionment, The City of New York:

Sirs—The Bureau of Standards, Supplies Division, has prepared, and I desire to submit herewith, for your approval, proposed standard specifications for the purchase of supplies included in the general class of drugs and chemicals.

In submitting these proposed standard specifications for approval, your attention is respectfully called to the fact that they have been submitted to, and approved by, the supply officials of all City departments authorized to purchase this class of supplies. Respectfully,

GEORGE L. TIRRELL, Director, Bureau of Standards.

Attached specifications approved for adoption:

GEORGE McANENY, Acting Mayor; WM. A. PRENDERGAST, Comptroller; MARCUS M. MARKS, President, Borough of Manhattan, Committee on Standardization of Supplies.

The following was offered:

Whereas, a select committee of three, composed of the Mayor, the Comptroller and the President of the Borough of Manhattan, was appointed by the Board of Estimate and Apportionment for the promulgation of specifications and for the purpose of standardizing supplies; and

Whereas, the said committee has approved, for adoption, specifications prepared by the Bureau of Standards, Supplies Division, for the purchase of supplies, included in the general class of drugs and chemicals; be it

Resolved, That the specifications for the purchase of supplies included in the general class of drugs and chemicals, hereto attached, be approved by this Board and adopted by the various departments, bureaus and offices under the City government authorized to purchase the said supplies.

THE CITY OF NEW YORK.

SPECIFICATION FOR ACETANILIDE [C_8H_9NO], MEDICINAL.

Quality.

Acetanilide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of acetanilide in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the form of crystals or powder, in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of acetanilide accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR ACETONE [$(CH_3)_2CO$], MEDICINAL.

Quality.

Acetone, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of acetone in any order is less than one hundred (100) pounds tests, may be waived.

Delivery.

It shall be delivered either in bottles or cans containing one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of acetone accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR ACETONE [$(CH_3)_2CO$] REAGENT.

Quality.

Acetone, for analytical use, shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of not less than seven hundred ninety-six thousandths (0.796), nor more than seven hundred ninety-nine thousandths (0.799) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall distill completely between fifty-five and five-tenths (55.5) degrees and fifty-seven and five-tenths (57.5) degrees Centigrade.

Acids.

It shall not redden blue litmus paper, previously moistened with water.

Impurities.

It shall be free from aldehydes, water and substances oxidizable by potassium permanganate. It shall not contain more than two-thousandths (0.0002) per cent of non-volatile matter or any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of acetone in any order is less than fifty (50) pounds tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of acetone accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACETPHENETIDIN [$C_{10}H_{13}NO_2$], MEDICINAL.

Quality.

Acetphenetidin, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of acetphenetidin in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in the form of crystals or powder, in cartons containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of acetphenetidin accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, ACETIC, COMMERCIAL.

Quality.

Commercial acetic acid shall be a clear, colorless liquid, containing not less than ninety-nine (99) per cent, by weight, of absolute acetic acid ($C_2H_4O_2$).

Impurities.

It shall not contain more than one-tenth (0.1) per cent of mineral acids, nor more than one ten-thousandth (0.0001) per cent. of any other impurity.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of acetic acid in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of acetic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, ACETIC [$C_2H_4O_2$], MEDICINAL.

Quality.

Acetic acid, glacial acetic acid or dilute acetic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of acetic acid in any order is less than five hundred (500) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of acetic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, ACETIC [$C_2H_4O_2$], REAGENT.

Quality.

Glacial acetic acid, for analytical use, shall be a clear, colorless liquid. It shall contain not less than ninety-nine and five-tenths (99.5) per cent, by weight, of absolute acetic acid ($C_2H_4O_2$).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
CH_2O_2	Nil
HCl	Nil
SO_3	Nil
Fe	0.0002%
N.V.M.	0.0005%
Empyreuma	Trace
Heavy Metals	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of acetic acid in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of glacial acetic acid accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR ACETIC ANHYDRIDE [$C_4H_6O_3$], REAGENT.

Quality.

Acetic anhydride, for analytical use, shall be a clear, colorless liquid containing not less than ninety-eight (98) per cent, by weight, of acetic anhydride and acetic acid, calculated in terms of acetic anhydride ($C_4H_6O_3$).

Specific Gravity.

It shall have a specific gravity of not less than one and eight-hundredths (1.08) at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
S	Nil
Cl	0.005%
N.V.M.	0.005%

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total of acetic anhydride in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of acetic anhydride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, BENZOIC [$C_7H_6O_2$], MEDICINAL.

Quality.

Benzoic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Source.

It shall be the product obtained from benzoin rosin or prepared artificially from toluol, *as called for in the schedules.*

Tests Waived.

When the total cost of benzoic acid in any order is less than twenty-five dollars ($25), tests may be waived.

Delivery.

It shall be delivered in cartons containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of benzoic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, BORIC [H_3BO_3], MEDICINAL.

Quality.

Boric acid or boracic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of boric acid in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered in the form of crystals or powder in cartons containing either one pound or five pounds, or in barrels, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of boric acid accepted, at the price bid per pound, delivered in the size or kind of container specified.

—

SPECIFICATION FOR ACID, BORIC [H_3BO_3], REAGENT.

Quality.

Boric or boracic acid, for analytical use, shall be transparent, colorless scales or crystals or a very fine white powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
SiO_2	Nil
SO_3	Nil
CaO	Nil
Pb.	Nil
Alkalies	Nil
Fe	0.0003%
Cl	0.002%

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of boric acid in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of boric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BORIC ANHYDRIDE [B_2O_3], REAGENT.

Quality.

Boric anhydride, for analytical use, shall be brittle, vitreous, semi-transparent lumps or a white powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
SiO_2	0.0005 per cent.
Alkalies (calculated as Na)	0.0005 per cent.
Cl	0.001 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of boric anhydride in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter or one pound, in the form of lumps or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of boric anhydride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, CAMPHORIC [$C_{10}H_{16}O_4$], MEDICINAL.

Quality.

Camphoric acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of camphoric acid in any order is less than one hundred (100) ounces, tests may be waived.

Delivery.

It shall be delivered in bottles containing one ounce. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of camphoric acid accepted, at the price bid per ounce delivered.

—

SPECIFICATION FOR ACID, CINNAMIC [$C_9H_8O_2$], MEDICINAL.

Quality.

Cinnamic acid, for medicinal purposes, shall be white, odorless crystals or scales.

Boiling Point.

It shall boil at a temperature of not less than three hundred (300) degrees nor more than three hundred four (304) degrees Centigrade.

Melting Point.

It shall melt at a temperature of not less than one hundred thirty-three (133) degrees nor more than one hundred thirty-six (136) degrees Centigrade.

Volatility.

It shall volatilize completely in steam.

Methods of Tests.

All physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of cinnamic acid in any order is less than one hundred and fifty (150) ounces, tests may be waived.

Delivery.

It shall be delivered in bottles containing one ounce. All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of ounces net of cinnamic acid accepted, at the price bid per ounce delivered.

—

SPECIFICATION FOR ACID, CITRIC [$C_6H_8O_7+H_2O$], MEDICINAL.

Quality.

Citric acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of citric acid in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the form of crystals or powder, in bottles or cartons containing either one pound or five pounds, or in kegs containing one hundred twelve pounds, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of citric acid accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR ACID, CITRIC [$C_6H_8O_7+H_2O$], REAGENT.

Quality.

Citric acid, for analytical use, shall be colorless, translucent, rhombic prisms or a white powder, *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Pb	Nil
Tartaric acid	Nil
Oxalic acid	Nil
CaO	Nil
Sugar	Nil
Fe	0.0005 per cent.
SO_3	0.005 per cent
N. V. M.	0.010 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of citric acid in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of citric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, FORMIC [CH_2O_2], MEDICINAL.

Quality.

Formic acid, for medicinal purposes, shall be a colorless liquid containing twenty-five (25) per cent or eighty-five (85) per cent, by weight, of absolute formic acid (CH_2O_2), *as called for in the schedules.*

Specific Gravity.

It shall have the following specific gravity at fifteen (15) degrees Centigrade:
25 per cent, not less than 1.06
85 per cent., not less than 1.20.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Fe	0.001 per cent.
HCl	0.001 per cent.
SO_3	0.005 per cent
N. V. M.	0.005 per cent.

It shall not contain any other impurity that will interfere with its medical use.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total cost of formic acid in any order is less than twenty-five dollars ($25), tests may be waived.

Delivery.

It shall be delivered in bottles containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of ounces net of formic acid accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, GALLIC [$C_7H_6O_5+H_2O$], MEDICINAL.

Quality.

Gallic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of gallic acid in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of gallic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, GALLIC [$C_7H_6O_5+H_2O$], REAGENT.

Quality.

Gallic acid, for analytical use, shall be colorless or slightly yellowish needles or triclinic crystals.

Solubility.

It shall dissolve completely in water on heating, yielding a clear, colorless or only faintly yellowish solution.

Water Content.

It shall not lose more than ten (10) per cent. of water, when dried at one hundred (100) degrees Centigrade to constant weight.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
SO_3	Nil
N. V. M.	0.01 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of gallic acid in any order is less than twenty (20) pounds tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of gallic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, DILUTE HYDRIODIC [HI], MEDICINAL.

Quality.

Dilute hydriodic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of dilute hydriodic acid in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored, glass-stoppered bottles containing one pound. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of hydriodic acid accepted, at the price bid per pound, delivered.

—

SPECIFICATION FOR ACID, HYDRIODIC [HI], REAGENT.

Quality.

Hydriodic acid, for analytical use, shall be a clear yellowish or light brownish liquid containing forty-three (43) per cent. or fifty-seven (57) per cent., by weight, of hydriodic acid (HI), *as called for in the schedules.*

Strength.

It shall be of the strength *called for in the schedules,* in accordance with the following table:

Strength.	Minimum specific gravity.	Minimum HI content.
43 per cent.	1.50	43.0 per cent.
57 per cent.	1.70	56.36 per cent.

Specific gravity shall be determined at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
H_2SO_4	Nil
Heavy Metals and Earths	Nil
Cl	0.0005 per cent.
Br	0.0005 per cent.
N. V. M.	0.002 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein

Tests Waived.

When the total weight of hydriodic acid in any order is less than sixty (60) ounces, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored, glass-stoppered bottles of the manufacturer, with his labels thereon, containing one ounce. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of hydriodic acid accepted, at the price bid per ounce, delivered.

—

SPECIFICATION FOR ACID, DILUTE HYDROBROMIC [HBr], MEDICINAL.

Quality.

Dilute hydrobromic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of dilute hydrobromic acid in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored, glass-stoppered bottles containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of dilute hydrobromic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, HYDROBROMIC [HBr], REAGENT.

Quality.

Hydrobromic acid, for analytical use, shall be a clear, colorless or faintly yellowish liquid containing about forty (40) per cent., by weight, of absolute hydrobromic acid (HBr).

Specific Gravity.

It shall have a specific gravity of one and thirty-eight hundredths (1.38) at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Heavy Metals	Nil
$H_3PO_3+H_3PO_4$	Nil
SO_3	0.0003
Cl	0.005
I	0.005
N. V. M.	0.005

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of hydrobromic acid in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored, glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of hydrobromic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID HYDROCHLORIC, COMMERCIAL.

Quality.

Commercial hydrochloric acid shall be a clear, colorless or faintly yellowish liquid containing not less than thirty-five (35) per cent., by weight, of absolute hydrochloric acid (HCl).

Specific Gravity.

It shall have a specific gravity of not less than one and eighteen-hundredths (1.18) at fifteen (15) degrees Centrigrade.

Impurities.

It shall not contain more than eight-tenths (0.8) per cent. of non-volatile matter.

Tests Waived.

When the total weight of hydrchloric acid in any order is less than five hundred (500) pounds, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Delivery.

It shall be delivered in bottles containing either one pound or six pounds, or in carboys, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of hydrochloric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID-HYDROCHLORIC [HCl], MEDICINAL.

Quality.

Hydrochloric acid, concentrated or diluted, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of hydrochloric acid in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles, containing either one pound or six pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of hydrochloric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID-HYDROCHLORIC [HCl], REAGENT.

Quality.

Hydrochloric acid, for analytical use, shall be a clear, colorless liquid.

Strength.

It shall be of the strength *called for in the schedules* in accordance with the following table:

Strength.	Minimum Specific Gravity.	Minimum HCl Content.
10 per cent.	1.0502	10.0 per cent.
25 per cent.	1.1240	24.5 per cent.
35 per cent.	1.1789	35.0 per cent.

Specific gravity shall be determined at fifteen (15) degrees Centrigade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Cl (uncombined)	Nil
SO_3	0.0002 per cent
Fe	0.0002 per cent
N. V. M.	0.001 per cent
As	0.001 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of hydrochloric acid in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass stoppered bottles of the manufacturer with his labels thereon, containing either one pound or six pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of hydrochloric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, HYDROCHLORIC [HCl] (FREE FROM ARSENIC), REAGENT.

Quality.

Hydrochloric acid, for analytical use, shall be a clear, colorless liquid.

Strength.

It shall be of the strength *called for in the schedules* in accordance with the following table:

Strength.	Minimum Specific Gravity.	Minimum HCl Content.
10 per cent.	1.0502	10.0 per cent.
25 per cent.	1.1240	24.5 per cent.
35 per cent.	1.1789	35.0 per cent.

Specific gravity shall be determined at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
As	Nil
Cl (uncombined)	Nil
SO_3	0.0002 per cent
Fe	0.0002 per cent
N. V. M.	0.001 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of hydrochloric acid in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or six pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of hydrochloric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID-DILUTE HYDROCYANIC [HCN], MEDICINAL.

Quality.

Dilute hydrocyanic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of dilute hydrocyanic acid in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of hydrocyanic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID HYDROCYANIC [HCN], REAGENT.

Quality.

Hydrocyanic acid, for analytical use, shall be a clear, colorless liquid containing not less than five (5) per cent., by weight, of absolute hydrocyanic acid (HCN).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
S	Nil
Heavy metals	Nil
N. V. M.	0.005 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of hydrocyanic acid in any order is less that one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored, glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of hydrocyanic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID HYDROFLUORIC [HF], REAGENT.

Quality.

Hydrofluoric acid, for analytical use, shall be a clear, colorless or almost colorless liquid.

Strength.

It shall contain thirty-eight (38) per cent. or forty-eight (48) per cent., by weight, of absolute hydrofluoric acid (HF), *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
As	Nil
SiO_2	Nil
Pb	Nil
Cl	0.0001 per cent
SO_3	0.0001 per cent
Fe	0.0001 per cent
N. V. M.	0.005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of hydrofluoric acid in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in the original ceresine or gutta-percha bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of hydrofluoric acid accepted at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, LACTIC [$C_3H_6O_3$], MEDICINAL.

Quality.

Lactic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of lactic acid in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of lactic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, META-PHOSPHORIC [HPO_3], REAGENT.

Quality.

Meta-Phosphoric acid, for analytical use, shall be colorless, transparent, vitreous pieces or sticks, deliquescent in moist air, and melting to a clear viscid liquid upon the application of heat.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
As (as shown by $ZnCl_2$)	Nil
Hydrogen-halogen acids	Nil
HNO_3	Nil
Heavy metals	Nil
Substances oxidizable by $KMnO_4$	Nil
SO_3	0.005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of meta-phosphoric acid in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing one pound, five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of meta-phosphoric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, MOLYBDIC [H_2MoO_4], REAGENT.

Quality.

Molybdic acid, for analytical use, shall be a white or slightly yellowish powder containing not less than eighty-five (85) per cent, by weight, of molybdic anhydride (MoO_3).

Solubility.

It shall be soluble in ammonia water, specific gravity ninety-hundredths (0.90), yielding a clear solution. The insoluble residue shall not exceed three ten-thousandths (0.0003) per cent.

Impurities.

It shall be free from uncombined nitric acid (HNO_3), phosphate (P_2O_5), arsenate (As_2O_5), lead (Pb), bismuth (Bi), heavy metals and other impurities that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of molybdic acid in any order is less than seven (7) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound, one pound or five pounds, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of molybdic acid accepted, at the price bid per pound, delivered in the size of containers specified.

—

SPECIFICATION FOR MOLYBDIC ANHYDRIDE [MoO_3], REAGENT.

Quality.

Molybdic anhydride, for analytical use, shall be a white or slightly yellowish powder containing not less than ninety-nine and nine-tenths (99.9) per cent, by weight, of absolute molybdic anhydride (MoO_3).

Solubility.

It shall be soluble in ammonia water, specific gravity ninety-hundredths (0.90), yielding a clear solution. The insoluble residue shall not exceed eight-thousandths (0.008) per cent.

Impurities.

It shall be free from ammonia (NH_3), alkalies, nitric acid (HNO_3), phosphate (P_2O_5), arsenate (As_2O_5), lead (Pb), bismuth (Bi), heavy metals and other impurities that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of molybdic anhydride in any order is less than five (5) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound, one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of molybdic anhydride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, MONOCHLORACETIC [$C_2H_3ClO_2$], MEDICINAL.

Quality.

Monochloracetic acid, for medicinal purposes, shall be colorless, deliquescent crystals or crystalline masses.

Specific Gravity.

It shall have a specific gravity of one and three hundred sixty-six thousandths (1.366) at seventy-three (73) degrees Centigrade.

Boiling Point.

It shall boil between one hundred eighty-five (185) degrees and one hundred eighty-seven (187) degrees Centigrade.

Melting Point.

It shall melt between sixty-two (62) degrees and sixty-four (64) degrees Centigrade.

Solubility.

It shall be completely soluble in water.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of monochloracetic acid in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of monochloracetic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, NITRIC, COMMERCIAL.

Quality.

Commercial nitric acid shall be a clear, colorless or yellowish liquid containing sixty-five (65) per cent, by weight, of absolute nitric acid (HNO_3).

Specific Gravity.

It shall have a specific gravity of not less than one and forty-hundredths (1.40) at fifteen (15) degrees Centigrade. Actual specific gravity and acid content shall appear on the label.

Impurities.

It shall not contain more than eight-hundredths (0.08) per cent of non-volatile matter, of chlorine (Cl) or of any other impurity.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of nitric acid in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or seven pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of nitric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, NITRIC [HNO_3], MEDICINAL.

Quality.

Nitric acid, concentrated or diluted, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of nitric acid in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles containing either one pound or seven pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of nitric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, NITRIC [HNO_3], REAGENT.

Quality.

Nitric acid, for analytical use, shall be a clear, colorless liquid.

Strength.

It shall be of the strength *as called for in the schedules* in accordance with the following table:

Strength.	Minimum Specific Gravity.	Minimum (HNO_3) Content.
33 per cent	1.20	32.0 per cent
70 per cent	1.415	68.5 per cent
95 per cent	1.500	94.0 per cent

Specific gravity shall be determined at fifteen (15) degrees Centigrade. Actual specific gravity and acid content shall appear on the label.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
No.	Nil
Br	Nil
I	Nil
As	Nil
Sb	Nil
SO_3	0.002 per cent
Heavy metals and earths	0.002 per cent
N. V. M.	0.002 per cent
Cl	0.0003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of nitric acid in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or seven pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of nitric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, NITRIC [HNO_3], (RED FUMING), REAGENT.

Quality.

Red fuming nitric acid, for analytical use, shall be a clear, reddish-brown liquid.

Nitrogen Oxide Content.

It shall be completely saturated with nitric oxide (NO) at fifteen (15) degrees Centigrade.

Specific Gravity.

It shall have a specific gravity of not less than one and sixty-hundredths (1.60) at fifteen (15) degrees Centigrade. Actual specific gravity and acid content shall appear on the label.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
SO_3	0.0002 per cent
Heavy Metals and Earths	0.002 per cent
Cl	0.002 per cent
N. V. M.	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of fuming nitric acid in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or seven pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of fuming nitric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, OLEIC [$HC_{18}H_{33}O$], MEDICINAL.

Quality.

Oleic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of oleic acid in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of oleic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, ORTHO-PHOSPHORIC [H_3PO_4], REAGENT.

Quality.

Ortho-Phosphoric acid, for analytical use, shall be a clear, colorless liquid.

Strength.

It shall be of the strength *called for in the schedules,* in accordance with the following table:

Strength.	Minimum Specific Gravity.	Minimum (H_3PO_4) Content.
50 per cent	1.34	49.0 per cent
85 per cent	1.70	84.0 per cent

Specific gravity shall be determined at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
As	Nil
HNO_3	Nil
Heavy Metals and Earth	Nil
Substances oxidizable by $KMnO_4$	Nil
Cl	0.0004 per cent
Volatile acids, as acetic	0.002 per cent
SO_3	0.005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Method of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ortho-phosphoric acid in any order is less than seventy (70) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing one pound, five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ortho-phosphoric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, OXALIC, COMMERCIAL.

Quality.

Commercial oxalic acid shall be colorless, transparent rhombic crystals, containing not less than ninety-nine and five-tenths (99.5) per cent, by weight, of the hydrated acid ($H_2C_2O_4+2H_2O$).

Impurities.

It shall not contain more than one-tenth (0.1) per cent. of non-volatile matter.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of oxalic acid in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered either in cartons containing five pounds, or in barrels containing about three hundred pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of oxalic acid accepted, at the price bid per pound, delivered in the size and kind of the container specified.

—

SPECIFICATION FOR ACID, OXALIC [$H_2C_2O_4+2H_2O$], REAGENT.

Quality.

Oxalic acid, for analytical use, shall be colorless, transparent, prismatic crystals or powder containing not less than ninety-nine and eight-tenths (99.8) per cent, by weight, of the hydrated acid ($H_2C_2O_4+2H_2O$).

Solubility.

It shall be soluble in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Fe	0.002 per cent
Na	0.002 per cent
CaO	0.002 per cent
SO_3	0.002 per cent
Cl	0.002 per cent
NH_3	0.002 per cent
N. V. M.	0.05 per cent
Metals precipitated by H_2S	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of oxalic acid in any order is less than seventy (70) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer, with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of oxalic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, PHOSPHORIC [H_3PO_4], MEDICINAL.

Quality.

Phosphoric or diluted phosphoric acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total cost of phosphoric acid in any order is less than twenty-five dollars ($25), tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles containing one pound, five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of phosphoric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR PHOSPHORIC ANHYDRIDE [P_2O_5], REAGENT.

Quality.

Phosphoric anhydride, for analytical use, shall be a white, odorless powder producing metaphosphoric acid when dissolved in water.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
As	Nil
N. V. M.	0.0005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of phosphoric anhydride in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing one pound. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of phosphoric anhydride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, PHOSPHOTUNGSTIC [$(P_2O_5.20WO_3.11H_2O)+16H_2O$], REAGENT.

Quality.

Phosphotungstic acid, for analytical use, shall be small, white or slightly yellowish green crystals.

Impurities.

It shall be free from nitrates, ammonium salts (NH_3) and any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of phosphotungstic acid in any order is less than one hundred (100) ounces, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of phosphotungstic acid accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, PICRIC [$C_6H_2(OH)(NO_2)_3$], REAGENT.

Quality.

Picric acid, for analytical use, shall be pale yellowish glistening crystals, to which may be added twenty (20) per cent. of water, in accordance with Transportation Regulations.

Solubility.

It shall be completely soluble in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
K + Na	Nil
NH_3	Nil
Oxalic acid	Nil
H_2SO_4	Nil
N. V. M.	0.1 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of picric acid in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of picric acid accepted, at the price bid per pound, delivered in the size of container specified.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
SO_3	0.0002 per cent
Heavy Metals and Earths	0.002 per cent
Cl	0.002 per cent
N. V. M.	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of fuming nitric acid in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or seven pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of fuming nitric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, OLEIC [$HC_{18}H_{33}O$], MEDICINAL.

Quality.

Oleic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of oleic acid in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of oleic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, ORTHO-PHOSPHORIC [H_3PO_4], REAGENT.

Quality.

Ortho-Phosphoric acid, for analytical use, shall be a clear, colorless liquid.

Strength.

It shall be of the strength *called for in the schedules,* in accordance with the following table:

Strength.	Minimum Specific Gravity.	Minimum (H_3PO_4) Content.
50 per cent	1.34	49.0 per cent
85 per cent	1.70	84.0 per cent

Specific gravity shall be determined at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
As	Nil
HNO_3	Nil
Heavy Metals and Earth	Nil
Substances oxidizable by $KMnO_4$	Nil
Cl	0.0004 per cent
Volatile acids, as acetic	0.002 per cent
SO_3	0.005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Method of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ortho-phosphoric acid in any order is less than seventy (70) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing one pound, five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ortho-phosphoric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, OXALIC, COMMERCIAL.

Quality.

Commercial oxalic acid shall be colorless, transparent rhombic crystals, containing not less than ninety-nine and five-tenths (99.5) per cent, by weight, of the hydrated acid ($H_2C_2O_4+2H_2O$).

Impurities.

It shall not contain more than one-tenth (0.1) per cent. of non-volatile matter.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of oxalic acid in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered either in cartons containing five pounds, or in barrels containing about three hundred pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of oxalic acid accepted, at the price bid per pound, delivered in the size and kind of the container specified.

—

SPECIFICATION FOR ACID, OXALIC [$H_2C_2O_4+2H_2O$], REAGENT.

Quality.

Oxalic acid, for analytical use, shall be colorless, transparent, prismatic crystals or powder containing not less than ninety-nine and eight-tenths (99.8) per cent, by weight, of the hydrated acid ($H_2C_2O_4+2H_2O$).

Solubility.

It shall be soluble in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Fe	0.002 per cent
Na	0.002 per cent
CaO	0.002 per cent
SO_3	0.002 per cent
Cl	0.002 per cent
NH_3	0.002 per cent
N. V. M.	0.05 per cent
Metals precipitated by H_2S	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of oxalic acid in any order is less than seventy (70) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer, with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of oxalic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, PHOSPHORIC [H_3PO_4], MEDICINAL.

Quality.

Phosphoric or diluted phosphoric acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total cost of phosphoric acid in any order is less than twenty-five dollars ($25), tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles containing one pound, five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of phosphoric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR PHOSPHORIC ANHYDRIDE [P_2O_5], REAGENT.

Quality.

Phosphoric anhydride, for analytical use, shall be a white, odorless powder producing metaphosphoric acid when dissolved in water.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
As	Nil
N. V. M.	0.0005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of phosphoric anhydride in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing one pound. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of phosphoric anhydride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, PHOSPHOTUNGSTIC [$(P_2O_5 20WO_3 11H_2O)+16H_2O$], REAGENT.

Quality.

Phosphotungstic acid, for analytical use, shall be small, white or slightly yellowish-green crystals.

Impurities.

It shall be free from nitrates, ammonium salts (NH_3) and any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of phosphotungstic acid in any order is less than one hundred (100) ounces, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer, with his labels thereon, containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of phosphotungstic acid accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, PICRIC [$C_6H_2(OH)(NO_3)_2$], REAGENT.

Quality.

Picric acid, for analytical use, shall be pale yellowish glistening crystals, to which may be added twenty (20) per cent. of water, in accordance with Transportation Regulations.

Solubility.

It shall be completely soluble in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
K + Na	Nil
NH_3	Nil
Oxalic acid	Nil
H_2SO_4	Nil
N. V. M.	0.1 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of picric acid in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of picric acid accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR ACID, PYROGALLIC [$C_6H_6O_3$], REAGENT.

Quality.

Pyrogallic acid, for analytical use, shall be white, lustrous scales or fine needles.

Impurities.

It shall be free from gallic acid ($C_7H_6O_5+H_2O$). It shall not contain more than one-hundredth (0.01) per cent of non-volatile matter or any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of pyrogallic acid in any order is less than fifteen (15) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored glass-stoppered bottles of the manufacturer with his labels thereon, containing one ounce, one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of pyrogallic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, ROSOLIC [$C_{20}H_{16}O_3$], REAGENT.

Quality.

Rosolic acid, for analytical use, shall be in the form of brittle, amorphous, reddish-brown pieces having a metallic luster.

Solubility.

It shall be insoluble in water, but readily and completely soluble in alcohol.

Sensitiveness.

Five-hundredths (0.05) of a cubic centimeter of decinormal (N110) potassium hydroxide shall produce a violet red color when added to one hundred (100) cubic centimeters of water, to which has been added three (3) drops of the following solution made from the acid:

Solution—One-half (½) gram of rosolic acid dissolved in fifty (50) cubic centimeters of eighty-five (85) per cent alcohol, and the whole diluted to one hundred (100) cubic centimeters with water.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of rosolic acid in any order is less than seventy-five (75) ounces, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of rosolic acid accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SALICYLIC [$C_7H_6O_3$], MEDICINAL.

Quality.

Salicyclic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of salicylic acid in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of salicylic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SELENIC [H_2SeO_4], MEDICINAL.

Quality.

Selenic acid, for medicinal purposes, shall be a colorless, corrosive liquid, strongly acid, as shown on blue litmus paper previously moistened with water.

Miscibility.

It shall be miscible with all proportions of water.

Specific Gravity.

It shall have a specific gravity of one and forty-hundredths (1.40) at fifteen (15) degrees Centigrade.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of selenic acid in any order is less than one hundred (100) ounces, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one-quarter ounce or one ounce, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of selenic acid accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SUCCINIC [$C_4H_6O_4$], REAGENT.

Quality.

Succinic acid, for analytical use, shall be in the form of colorless, odorless, monoclinic prisms.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Oxalic acid	Nil
Tartaric acid	Nil
H_2SO_4	Nil
Heavy metals and earth	Nil
NH_3	Nil
Cl	0.0005 per cent
N. V. M.	0.01 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of succinic acid in any order is less than one hundred (100) ounces, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of succinic acid accepted, at the price bid per ounce, delivered in the size of container specified.

SPECIFICATION FOR ACID, SULPHANILIC [$C_6H_4(NH_2)(HSO_3)[1:4]+2H_2O$], REAGENT.

Quality.

Sulphanilic acid, for analytical use, shall be in the form of colorless, acicular, efflorescent crystals.

Solubility.

It shall be soluble in hot water, but insoluble in alcohol, ether and benzene.

Impurities.

It shall be free from nitrates and nitrites, also from aniline in the form of chloride or sulphate. It shall not contain more than one-hundredth (0.01) per cent. of non-volatile matter or any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sulphanilic acid in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one ounce or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sulphanilic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SULPHOSALICYLIC [$C_7H_6SO_6$], REAGENT.

Quality.

Sulphosalicylic acid, for analytical use, shall be in the form of white crystals.

Melting Point.

It shall melt at one hundred twenty (120) degrees Centigrade.

Methods of Tests.

All physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of sulphosalicylic acid in any order is less than sixty (60) ounces, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of sulphosalicylic acid accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SULPHURIC, COMMERCIAL.

Quality.

Commercial sulphuric acid shall be a clear, colorless or slightly yellowish liquid containing about ninety-two (92) per cent., by weight, of absolute sulphuric acid (H_2SO_4).

Specific Gravity.

It shall have a specific gravity of not less than one and eighty-three hundredths (1.83) at fifteen (15) degrees Centigrade. Actual specific gravity and acid content shall appear on the label.

Impurities.

It shall contain not more than ten-hundredths (0.10) per cent. of non-volatile matter, and shall be free from sediment.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of sulphuric acid in any order is less than twelve hundred (1200) pounds, tests may be waived.

Delivery.

It shall be delivered either in glass-stoppered bottles containing either one pound or nine pounds, or in carboys, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of sulphuric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SULPHURIC [H_2SO_4], MEDICINAL.

Quality.

Sulphuric acid or dilute sulphuric acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sulphuric acid in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles, containing either one pound or nine pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of sulphuric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SULPHURIC [H_2SO_4], REAGENT.

Quality.

Sulphuric acid, for analytical use, shall be a clear, colorless liquid.

Strength.

It shall be of the strength *called for in the schedules* in accordance with the following table:

Strength.	Minimum Specific Gravity.	Minimum (H_2SO_4) Content.
16 per cent	1.110	15.7 per cent
95 per cent	1.839	95.0 per cent

Specific gravity shall be determined at fifteen (15) degrees Centigrade. Actual specific gravity and acid content shall appear on the label.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity	Maximum limit.
Hydrogen-halogen acids	Nil
HNO_3	Nil
As	Nil
Pb	Nil
Sb	Nil
Se	Nil
Ca	Nil
Substances oxidizable by $KMnO_4$	Nil
Fe	0.0002 per cent
NH_3	0.0002 per cent
N. V. M.	0.0060 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sulphuric acid in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or nine pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of sulphuric acid accepted, at the price bid per pound, delivered in the size of container specified.

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SPECIFICATION FOR ACID, SULPHURIC [$x.H_2SO_4+y.SO_3$] (FUMING), REAGENT.

Quality.

Fuming sulphuric acid, for analytical use, shall be a colorless or slightly colored, oily, fuming liquid.

Strength.

It shall be of the strength *called for in the schedules* in accordance with the following table:

Strength.	Minimum of Free (SO_3) Content.
10 per cent	8.0 per cent
15 per cent	14.5 per cent

Actual specific gravity and acid content shall appear on the label.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Hydrogen-halogen acids	Nil
HNO_3	Nil
As	Nil
Pb	Nil
NH_3	0.003 per cent
N.V.M.	0.003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sulphuric acid in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his label thereon, containing either one pound or nine pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of sulphuric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SULPHUROUS [SO_2+Aq], MEDICINAL.

Quality.

Sulphurous acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sulphurous acid in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored glass-stoppered bottles, containing either one pound or nine pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of sulphurous acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, SULPHUROUS [SO_2+Aq], REAGENT.

Quality.

Sulphurous acid, for analytical use, shall be a clear, colorless liquid containing not less than five and eight-tenths (5.8) per cent of sulphur dioxide (SO_2).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Fe	0.0005 per cent
N. V. M.	0.001 per cent
SO_3	0.50 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sulphurous acid in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored, glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of sulphurous acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, TANNIC [$C_{14}H_{10}O_9$], MEDICINAL.

Quality.

Tannic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of tannic acid in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing one pound. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of tannic acid accepted, at the price bid per pound delivered.

—

SPECIFICATION FOR ACID, TANNIC [$C_{14}H_{10}O_9$], REAGENT.

Quality.

Tannic acid, for analytical use, shall be in the form of a light yellowish powder or a spongy mass of glistening scales.

Solubility.

It shall be soluble in water and in alcohol, yielding a clear liquid.

Water Content.

It shall not lose more than twelve (12) per cent of its weight when dried at one hundred (100) degrees Centigrade, to constant weight.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Sugar	Nil
Dextrin	Nil
N. V. M.	0.2 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of tannic acid in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of tannic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, TARTARIC [$C_4H_6O_6$], MEDICINAL.

Quality.

Tartaric acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of tartaric acid in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles or cartons containing either one pound or five pounds, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of tartaric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, TARTARIC [$C_4H_6O_6$], REAGENT.

Quality.

Tartaric acid, for analytical use, shall be colorless, prismatic crystals, crystalline crusts or a powder, *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Oxalic acid	Nil
Heavy metals	Nil
Calcium	Nil
SO_3	0.005 per cent
Cl	0.005 per cent
Fe	0.002 per cent
N. V. M.	0.050 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of tartaric acid in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of tartaric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, THYMIC [$C_{10}H_{14}O$], REAGENT.

Quality.

Thymic acid or thymol, for analytical use, shall be colorless, hexagonal crystals.

Boiling Point.

It shall boil between two hundred twenty-eight (228) degrees and two hundred thirty (230) degrees Centigrade.

Melting Point.

It shall melt between fifty (50) degrees and fifty-one (51) degrees Centigrade.

Impurities.

It shall not contain free acid as shown on blue litmus paper, nor more than five ten-thousandths (0.0005) per cent of phenol or more than one-thousandth (0.001) per cent of non-volatile matter, or any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of thymic acid in any order is less than six (6) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of thymic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, TRICHLORACETIC [$C_2HCl_3O_2$], MEDICINAL.

Quality.

Trichloracetic acid, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of trichloracetic acid in any order is less than one hundred fifty (150) ounces, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles, containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of trichloracetic acid accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ACONITE (ROOT), MEDICINAL.

Quality.

Aconite root, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of aconite in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing five pounds or twenty-five pounds in the form of cones or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aconite root accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ADEPS, LANAE, MEDICINAL.

Quality.

Adeps, lanae, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of adeps, lanae, in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing one pound, five pounds or twenty-five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of adeps, lanae, accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALCOHOL, AMYLIC [$C_5H_{11}OH$], REAGENT.

Quality.

Amylic alcohol, for analytical use, shall be a clear, colorless liquid neutral to litmus paper.

Specific Gravity.

It shall have a specific gravity of not less than eight hundred-twelve thousandths (0.812) nor more than eight hundred-sixteen thousandths (0.816) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between one hundred twenty-eight (128) degrees and one hundred thirty-one (131) degrees Centigrade.

Impurities.

It shall be free from foreign organic matter and furfural. It shall not contain more than five ten-thousandths (0.0005) per cent. of non-volatile matter, or any other impurity that will interfere with analytical work.

Tests Waived.

When the total weight of amylic alcohol in any order is less than twenty-five (25) pounds, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of amylic alcohol accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR COMPLETELY DENATURED ALCOHOL.

Quality.

Completely denatured alcohol shall be a clear, colorless liquid.

Formulae.

It shall conform to the formulae and specifications for ingredients for completely denatured alcohol, given in Regulations and Instructions Relating to the Manufacture, Sale and Use of Denatured Alcohol, under the Act of Congress of June 7, 1906, and Amendatory Act of March 2, 1907, to wit:

(1)—"To every one hundred (100) parts by volume of ethyl alcohol of the desired proof [not less than one hundred eighty (180) degrees] there shall be added ten (10) parts by volume of approved wood alcohol and one-half (½) of one (1) part by volume of approved benzine; for example, to every one hundred (100) gallons of ethyl alcohol [of not less than one hundred eighty (180) degrees proof] there shall be added ten (10) gallons of approved wood alcohol and one-half (½) gallon of approved benzine."

Proof.

It shall be either one hundred eighty (180) degrees proof or one hundred eighty-eight (188) degrees proof, *as called for in the schedules.*

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of completely denatured alcohol in any order is less than seventy-five (75) gallons, tests may be waived.

Delivery.

It shall be delivered in the size and kind of container, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of gallons of completely denatured alcohol accepted, at the price bid per gallon, delivered in the size and kind of container specified.

—

SPECIFICATION FOR ALCOHOL [C_2H_5OH], MEDICINAL (ETHYL).

Quality.

Absolute alcohol, alcohol and dilute alcohol, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of alcohol in any order is less than ten (10) gallons, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer, containing either one-half gallon or one gallon, or in the original barrels, containing either twenty-five gallons or fifty gallons, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of gallons of alcohol accepted, at the price bid per gallon, delivered in the size and kind of container specified.

—

SPECIFICATION FOR ETHYL ALCOHOL [C_2H_5OH], REAGENT.

Quality.

Ethyl alcohol, for analytical use, shall be a clear, colorless liquid. Absolute ethyl alcohol shall contain not less than ninety-nine and five-tenths (99.5) per cent, by weight, and alcohol known to the trade as 95 per cent ethyl alcohol shall contain not less than ninety-two and three-tenths (92.3) per cent, by weight, of absolute ethyl alcohol (C_2H_5OH).

Specific Gravity.

It shall be of the strength *as called for in the schedules* and in accordance with the following table:

Absolute ethyl alcohol, not more than 0.796 }
95% ethyl alcohol, not more than 0.816 } at 15° Centigrade

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Fusel oil	Nil
Aldehydes	Nil
Metals	Nil
Substances oxidizable by $KMnO_4$	Nil
N. V. M.	0.005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ethyl alcohol in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ethyl alcohol accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR METHYL ALCOHOL [CH_3OH] (WOOD ALCOHOL), REAGENT.

Quality.

Methyl alcohol, for analytical use, shall be a clear, colorless liquid. Absolute methyl alcohol shall contain not less than ninety-nine (99) per cent, by volume, and alcohol known to the trade as 95 per cent methyl alcohol shall contain not less than ninety-five (95) per cent, by volume, of absolute methyl alcohol (CH_3OH).

Specific Gravity.

It shall be of the strength *as called for in the schedules* and in accordance with the following table:

Absolute methyl alcohol, not more than 0.799 at 15 degrees Centigrade.
95 per cent. methyl alcohol, not more than 0.8105 at 15 degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Ethyl alcohol	0.0005 per cent
Acetone	0.0005 per cent
Empyreuma	0.0005 per cent
Substances oxidizable by $KMnO_4$	0.0005 per cent
N. V. M.	0.0005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of methyl alcohol in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of methyl alcohol accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR METHYL ALCOHOL [CH_3OH] (WOOD), TECHNICAL.

Quality.

Methyl alcohol (wood), for technical use, shall be a clear, colorless liquid containing not less than ninety-five (95) per cent, by volume, of absolute methyl alcohol (CH_3OH).

Specific Gravity.

It shall have a specific gravity of not more than eight hundred one thousandths (0.801) at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain more than five-hundredths (0.05) per cent., sum total, of impurities or non-volatile matter.

Tests Waived.

When the total amount of methyl alcohol in any order is less than fifty (50) gallons, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Delivery.

It shall be delivered in the size and kind of container specified in the schedules. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of gallons of methyl alcohol accepted, at the price bid per gallon, delivered in the size and kind of container specified.

—

SPECIFICATION FOR ETHYLIC ALDEHYDE [C_2H_4O].

Quality.

Ethylic aldehyde, or acetic aldehyde, shall be a clear colorless liquid.

Specific Gravity.

It shall have a specific gravity of approximately eight hundred thousandths (0.800) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between twenty-one (21) degrees and twenty-three (23) degrees Centigrade.

Tests Waived.

When the total weight of ethylic aldehyde in any order is less than twenty-five (25) pounds, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Delivery.

It shall be delivered in bottles containing either one-quarter (¼) pound or one (1) pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ethylic aldehyde accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALOES—MEDICINAL.

Quality.

Aloes or purified aloes, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of aloes in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing either ten pounds or twenty-five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aloes accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR ALOIN—MEDICINAL.

Quality.

Aloin shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmocopoeia.

Tests Waived.

When the total weight of aloin in any order is less than three hundred (300) ounces, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of aloin accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ALUM [$AlK(SO_4)_2+12H_2O$], MEDICINAL.

Quality.

Alum, hydrated aluminum potassium sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of alum in any order is less than five hundred (500) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles or cartons containing either one pound or five pounds in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of alum accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUM—TECHNICAL.

Quality.

Alum, for technical use, shall be large, colorless crystals, or a very fine, white powder, containing not less than ninety-eight and five-tenths (98.5) per cent, by weight, of crystalline aluminum potassium sulphate [$AlK(SO_4)_2+12H_2O$].

Impurities.

It shall not contain more than six-tenths (0.6) per cent. of total impurities.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of alum in any order is less than six hundred (600) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, or in boxes, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of alum accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM AMMONIUM SULPHATE [$Al(NH_4)(SO_4)_2+12H_2O$], REAGENT.

Quality.

Aluminum ammonium sulphate, for analytical use, shall be white, transparent crystals, or a white powder, containing not less than ninety-nine and five-tenths (99.5) per cent, by weight, of crystalline aluminum ammonium sulphate [$Al(NH_4)(SO_4)_2+12H_2O$].

Solubility.

It shall completely dissolve in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Fe	0.0020 per cent.
Cl	0.0005 per cent.
Na	0.0005 per cent.
Metals precipitated by H_2S	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of aluminum ammonium sulphate in any order is less than one hundred twenty-five (125) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum ammonium sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM AMMONIUM SULPHATE, TECHNICAL.

Quality.

Aluminum ammonium sulphate, ammonia alum, shall be white, transparent crystals or a white powder containing not less than ninety-nine (99) per cent, by weight, of crystalline aluminum ammonium sulphate [$Al(NH_4)(SO_4)_2+12H_2O$].

Solubility.

It shall be soluble in water, yielding a clear liquid.

Impurities.

It shall not contain more than one-hundredth (0.01) per cent. of iron (Fe), nor more than five-hundredths (0.05) per cent. of total impurities.

Tests Waived.

When the total weight of aluminum ammonium sulphate in any order is less than two hundred fifty (250) pounds, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum ammonium sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM CHLORIDE [$Al_2Cl_6+12H_2O$], REAGENT.

Quality.

Aluminum chloride, for analytical use, shall be yellowish white, granular crystals or powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Fe	0.008 per cent.
SO_3	0.008 per cent
Metals precipitated by H_2S	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of aluminum chloride in any order is less than eighty (80) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum chloride accepted. at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM CHLORIDE [Al_2Cl_6], (SUBLIMED), REAGENT.

Quality.

Sublimed aluminum chloride, for synthesis, shall be in the form of yellowish, crystalline masses.

Impurities.

It shall be free from sulphur trioxide, impurities precipitated by hydrogen sulphide and all other impurities that will interfere with analytical work.

Tests Waived.

When the total weight of aluminum chloride in any order is less than fifty (50) pounds, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM FLUORIDE [Al_2F_6], REAGENT.

Quality.

Aluminum fluoride, for analytical use, shall be a white powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
SO_3	Nil
Cl	0.0001 per cent
Metals precipitated by H_2S	0.0150 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of aluminum fluoride in any order is less than one hundred twenty-five (125) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum fluoride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM HYDROXIDE [$Al_2O_3+3H_2O$], MEDICINAL.

Quality.

Aluminum hydroxide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of aluminum hydroxide in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum hydroxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM HYDROXIDE [$Al(OH)_3$], REAGENT.

Quality.

Aluminum hydroxide, for analytical use, shall be a white powder, odorless and permanent in air.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Alkalies	Nil
SiO_2	0.0002 per cent
CaO	0.0002 per cent
SO_3	0.0020 per cent
Cl	0.0020 per cent
Fe	0.020 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of aluminum hydroxide in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum hydroxide accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR ALUMINUM OXIDE [Al_2O_3], REAGENT.

Quality.

Aluminum oxide, for analytical use, shall be a white, hygroscopic powder.

Absorption.

It shall be capable of absorbing not less than forty (40) per cent. of its weight of tannin.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Hg, metallic	Nil
Al, metallic	Nil
CaO	Nil
Cl	0.0002 per cent
SO_3	0.0020 per cent
Fe	0.0060 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of aluminum oxide in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum oxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM POTASSIUM SULPHATE [$AlK(SO_4)_2+12H_2O$], REAGENT.

Quality.

Aluminum potassium sulphate, potassic alum, shall be large, colorless crystals or a very fine powder containing not less than ninety-nine and five-tenths (99.5) per cent of crystalline aluminum potassium sulphate [$AlK(SO_4)_2+12H_2O$].

Solubility.

It shall completely dissolve in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Fe	0.0020 per cent
CaO	0.0020 per cent
MgO	0.0020 per cent
Cl	0.0005 per cent
Na	0.0005 per cent
Metals precipitated by H_2S	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of aluminum potassium sulphate in any order is less than one hundred twenty-five (125) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum potassium sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM SULPHATE [$Al_2(SO_4)_3+18H_2O$], MEDICINAL.

Quality.

Aluminum sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of aluminum sulphate in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles or cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ALUMINUM SULPHATE [$Al_2(SO_4)_3+18H_2O$], REAGENT.

Quality.

Aluminum sulphate, for analytical use, shall be shining plates, crystalline fragments or powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Na	0.0001 per cent
Cl	0.0005 per cent
Fe	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of aluminum sulphate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aluminum sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BASIC ALUMINUM SULPHATE (Filter Alum).

Quality.

Basic aluminum sulphate, filter alum, shall contain not less than seventeen (17) per cent of aluminum oxide (Al_2O_3) and be readily soluble in water.

Basicity.

Not less than three (3) per cent of the total alumina (Al_2O_3) present shall be basic alumina (Al_2O_3).

Size.

It shall be in the form of lumps whose largest dimension shall be not less than one (1) inch nor more than four (4) inches.

Impurities.

It shall not contain any free acid, more than fifteen-hundredths (0.15) per cent of matter insoluble in water, nor more than sixty-five hundredths (0.65) per cent of soluble iron oxide (Fe_2O_3).

Basis of Award.

The bidder shall state in his bid the per cent of almunina (Al_2O_3) present in the material. The award shall be made on the basis of the cost of each per cent of alumina (Al_2O_3), determined by the ratio of the price bid per pound to the stated alumina content, i. e.,

$$\text{Cost of each per cent of alumina} = \frac{\text{Price bid per pound}}{\text{Stated per cent alumina}}$$

Deduction.

When the per cent of alumina (Al_2O_3) present in any delivery, as determined by the city, is less than that stated in the bid, a deduction shall be made from the price bid per pound for that delivery of the cost of each per cent of alumina (Al_2O_3), as determined under "Basis of Award" for each per cent of alumina (Al_2O_3) of which it is deficient.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of basic aluminum sulphate in any order is less than sixteen hundred (1,600) pounds, tests may be waived.

Delivery.

It shall be delivered in the kind and size of container *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of basic aluminum sulphate accepted, at the price bid per pound, less such deductions as shall be made for deficiency of alumina (Al_2O_3), delivered in the kind and size of container as specified.

—

SPECIFICATION FOR AMMONIA WATER (For Household Use).

Quality.

Ammonia water, for household use, shall contain not less than ten (10) per cent, by weight, of anhydrous ammonia (NH_3) and shall be a clear and colorless or a cloudy liquid, *as called for in the schedules.*

Specific Gravity.

It shall have a specific gravity of not less than sixteen (16) degrees Beaume [not more than nine hundred fifty-nine thousandths (0.959)] at sixty (60) degrees Fahrenheit.

Tests Waived.

When the total amount of ammonia water in any order is less than one dozen quarts, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Delivery.

It shall be delivered in rubber-stoppered bottles containing either one quart or two quarts, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of dozens of quarts of ammonia water accepted, at the price bid per dozen quarts, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIA WATER [NH_4OH], MEDICINAL.

Quality.

Ammonia water, or stronger ammonia water, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of ammonia water in any order is less than five hundred (500) pounds, tests may be waived.

Delivery.

It shall be delivered either in glass-stoppered bottles containing one pound or four pounds or in carboys containing eighty pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of ammonia water accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR AMMONIA WATER [NH_4OH], REAGENT.

Quality.

Ammonia water, for analytical use, shall be a clear, colorless liquid containing not less than twenty-eight (28) per cent, by weight, of ammonia (NH_3).

Specific Gravity.

It shall have a specific gravity of not more than nine hundred one one-thousandths (0.901) at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Pyridine, nitric acid test	Nil
Heavy Metals	Nil
Alkalies	Nil
Ca+Mg	Nil
Phosphates	Nil
H_2SO_4	Nil
Cl	Nil
CO_2	0.0030 per cent
N. V. M.	0.0006 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonia water in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or four pounds, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of ammonia water accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM BENZOATE [$NH_4C_7H_5O_2$], MEDICINAL.

Quality.

Ammonium benzoate, for medicinal purposes, shall conform to the official requirements, as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of ammonium benzoate in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles or cartons containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium benzoate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM BICHROMATE [$(NH_4)_2Cr_2O_7$], REAGENT.

Quality.

Ammonium bichromate, for analytical use, shall be orange-colored crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
CaO	Nil
Fe	0.0005 per cent
Cl	0.0005 per cent
SO_3	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium bichromate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium bichromate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM BROMIDE [NH_4Br], MEDICINAL.

Quality.

Ammonium bromide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of ammonium bromide in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium bromide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM CARBONATE [$C_2H_{11}N_3O_5$], MEDICINAL.

Quality.

Ammonium carbonate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of ammonium carbonate in any order is less than one hundred fifty (150) pounds tests may be waived.

Delivery.

It shall be delivered in either bottles or tins containing one pound or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium carbonate accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR AMMONIUM CARBONATE [$(NH_4)HCO_3(NH_4)NH_2CO_2$], REAGENT.

Quality.

Ammonium carbonate, for analytical use, shall be a crystalline, white, translucent or slightly opaque mass.

Solubility.

It shall dissolve in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Thiocyanate	Nil
Aniline derivatives	Nil
SO_3	Nil
Fe	0.0003 per cent
Cl	0.0003 per cent
N. V. M.	0.0005 per cent
Organic matter	0.0003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium carbonate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer, with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM CHLORIDE [NH_4Cl], MEDICINAL.

Quality.

Ammonium chloride, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of ammonium chloride in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered either in bottles or cartons containing one pound or in boxes containing five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium chloride accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR AMMONIUM CHLORIDE [NH_4Cl], REAGENT.

Quality.

Ammonium chloride, for analytical use, shall be a white, crystalline powder.

Solubility.

It shall be soluble in water yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
SO_3	Nil
Arsenate	Nil
Phosphate	Nil
Aniline derivatives	Nil
Fe	0.0003 per cent
N. V. M.	0.0030 per cent
Metals precipitated by H_2S	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium chloride in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM CHLORIDE (SAL AMMONIAC), TECHNICAL.

Quality.

Ammonium chloride (sal ammoniac), for technical use, shall contain not less than ninety-seven (97) per cent of absolute ammonium chloride (NH_4Cl).

Fineness.

It shall be of sufficient fineness to pass through a sieve having not less than one hundred (100) meshes to the square inch.

Impurities.

It shall not contain more than three-hundredths (0.03) per cent of non-volatile matter. It shall not show any immediate reaction for sulphate when dissolved in water and a solution of barium chloride added after the ammonium chloride solution has been acidulated with hydrochloric acid; nor any precipitate when hydrogen sulphide gas is passed through the acidulated solution.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of ammonium chloride in any order is less than four hundred (400) pounds, tests may be waived.

Delivery.

It shall be delivered in sealed containers of the kind and size *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium chloride accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR AMMONIUM DIHYDROGEN PHOSPHATE [$NH_4H_2PO_4$], REAGENT.

Quality.

Ammonium dihydrogen phosphate, for analytical use, shall be white, transparent crystals or a white powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Alkalies, as Na	0.0005 per cent
Cl	0.0005 per cent
HNO_3	0.0005 per cent
CaO	0.0005 per cent
As	0.0005 per cent
Fe	0.0020 per cent
SO_3	0.0060 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium dihydrogen phosphate in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium dihydrogen phosphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR DIAMONIUM HYDROGEN PHOSPHATE [$(NH_4)_2HPO_4$], REAGENT.

Quality.

Diamonium hydrogen phosphate, for analytical use, shall be colorless crystals or a white, crystalline powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Alkalies, as Na	0.002 per cent
SO_3	0.002 per cent
Cl	0.002 per cent
HNO_3	0.002 per cent
CaO	0.002 per cent
As	0.002 per cent
Fe	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis of Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of diamonium hydrogen phosphate in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of diamonium hydrogen phosphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM FLUORIDE [NH_4F], REAGENT.

Quality.

Ammonium fluoride, for analytical use, shall be white crystals soluble in water yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Fe	0.002 per cent
SO_3	0.002 per cent
Cl	0.002 per cent
N. V. M.	0.008 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium fluoride in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in the original ceresine or gutta-percha bottles of the manufacturer, containing either one-half pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium fluoride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM IODIDE [NH_4I], MEDICINAL.

Quality.

Ammonium iodide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of ammonium iodide in any order is less than six (6) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium iodide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM MOLYBDATE [$(NH_4)_6Mo_7O_{24}+4HO$], REAGENT.

Quality.

Ammonium molybdate, for analytical use, shall be large, colorless or slightly greenish crystals containing not less than eighty (80) per cent, by weight, of molybdic anhydride (MoO_3).

Solubility.

It shall completely dissolve in ammonia water having a specific gravity of nine hundred ten thousandths (0.910) yielding a clear solution.

Impurities.

It shall be free from arsenates, chlorides, nitrates, phosphates, sulphates and heavy metals, and other impurities that will interfere with analytical work.

Tests Waived.

When the total weight of ammonium molybdate in any order is less than ten (10) pounds, tests may be waived.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Delivery.

It shall be delivered in the original botties of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium molybdate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM NITRATE [NH_4NO_3], REAGENT.

Quality.

Ammonium nitrate, for analytical use, shall be colorless crystals.

Solubility.

It shall be completely soluble in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
SO_3	Nil
HNO_2	Nil
I	Nil
Cl	0.002 per cent.
Fe	0.003 per cent.
N. V. M.	0.010 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium nitrate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one ounce or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium nitrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM OXALATE [$(NH_4)_2C_2O_4+H_2O$], REAGENT.

Quality.

Ammonium oxalate, for analytical use, shall be colorless crystals.

Solubility.

It shall be completely soluble in water, yielding a clear solution, neutral to litmus paper.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
SO_3	Nil
Na	0.0004 per cent.
$CaO + MgO$	0.0020 per cent.
Cl	0.0004 per cent.
Fe	0.0005 per cent.
N. V. M.	0.0250 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium oxalate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium oxalate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM PERSULPHATE [$(NH_4)_2S_2O_8$], REAGENT.

Quality.

Ammonium persulphate, for analytical use, shall be colorless crystals containing not less than ninety-five (95) per cent of ammonium persulphate [$(NH_4)_2S_2O_8$].

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Mn	Nil
Fe	0.006 per cent
CaO	0.006 per cent
Cl	0.006 per cent
N. V. M.	0.070 per cent
Insoluble in H_2O	0.070 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium persulphate in any order is less than thirty-five (35) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one ounce or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium persulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM SALICYLATE [$NH_4C_7H_5O_3$], MEDICINAL.

Quality.

Ammonium salicylate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of ammonium salicylate in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium salicylate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM SULPHATE [$(NH_4)_2SO_4$], MEDICINAL.

Quality.

Ammonium sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of ammonium sulphate in any order is less than one hundred twenty-five (125) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or ten pounds or in barrels containing two hundred pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium sulphate accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR AMMONIUM SULPHATE [$(NH_4)_2SO_4$], REAGENT.

Quality.

Ammonium sulphate, for analytical use, shall be colorless crystals.

Solubility.

It shall be completely soluble in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Heavy metals, calculated as Fe	0.0003 per cent.
Cl	0.0003 per cent.
N. V. M.	0.0020 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium sulphate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM SULPHITE [$(NH)_2SO_3+xH_2O$], REAGENT.

Quality.

Ammonium sulphite, for analytical use, shall be colorless crystals, deliquescent in moist air.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
SO_3	0.0005 per cent
Fe	0.0005 per cent
Cl	0.0050 per cent
N. V. M.	0.0050 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ammonium sulphite in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of ammonium sulphite accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMMONIUM VALERATE, MEDICINAL.

Quality.

Ammonium valerate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of ammonium valerate in any order is less than two hundred (200) ounces, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of ounces net of ammonium valerate accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR AMYL ACETATE [$C_7H_{14}O_2$], MEDICINAL.

Quality.

Amyl acetate, for medicinal purposes, shall be a colorless, transparent liquid.

Specific Gravity.

It shall have a specific gravity of not more than eight hundred seventy-six thousandths (0.876) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between one hundred thirty-eight (138) degrees and one hundred forty-two (142) degrees Centigrade.

Tests Waived.

When the total weight of amyl acetate in any order is less than thirty (30) pounds, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of amyl acetate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR AMYL NITRITE [$C_5H_{11}NO_2$], MEDICINAL.

Quality.

Amyl nitrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of amyl nitrate in any order is less than one hundred twenty-five (125) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored glass-stoppered bottles, or sealed tubes, containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of ounces net of amyl nitrate accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR AMYLENE [C_5H_{10}], MEDICINAL.

Quality.

Amylene, for medicinal purposes, shall be a colorless, mobile liquid.

Specific Gravity.

It shall have a specific gravity between six hundred sixty-five thousandths (0.665) and six hundred sixty-eight thousandths (0.668) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between thirty-five (35) and thirty-eight (38) degrees Centigrade.

Tests Waived.

When the total weight of amylene in any order is less than twenty-five (25) ounces, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Delivery.

It shall be delivered in bottles containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of ounces net of amylene accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR AMYLENE HYDRATE [$C_5H_{12}O$], REAGENT.

Quality.

Amylene hydrate, for analytical use, shall be a colorless, oily liquid.

Specific Gravity.

It shall have a specific gravity of not less than eight hundred fifteen thousandths (0.815), nor more than eight hundred twenty thousandths (0.820) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between ninety-nine (99) degrees and one hundred three (103) degrees Centigrade.

Tests Waived.

When the total weight of amylene hydrate in any order is less than five (5) pounds, tests may be waived.

Methods of Tests.

All physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Delivery.

It shall be delivered in bottles containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of amylene hydrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ANILINE [$C_6H_5NH_2$], REAGENT.

Quality.

Aniline, for analytical use, shall be a clear, oily liquid.

Impurities.

It shall be free from nitrobenzene and hydrocarbons and all other impurities that will interfere with analytical work.

Tests Waived.

When the total weight of aniline in any order is less than twenty-five (25) pounds, tests may be waived.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of aniline accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ANTIMONY OXIDE [Sb_2O_3], REAGENT.

Quality.

Antimony oxide, for analytical use, shall be a white powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
As	Nil
Insoluble in HCl	0.0001 per cent
Foreign metals	0.002 per cent
Cl	0.002 per cent
SO_3	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label, showing an analysis of the material contained therein.

Tests Waived.

When the total weight of antimony oxide in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of antimony oxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ANTIMONY AND POTASSIUM TARTRATE [$2K(SbO)C_4H_4O_6+H_2O$], MEDICINAL.

Quality.

Antimony and potassium tartrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of antimony and potassium tartrate in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles or cartons containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of antimony and potassium tartrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ANTIMONY POTASSIUM TARTRATE [$2K(SbO)C_4H_4O_6+H_2O$], REAGENT.

Quality.

Antimony potassium tartrate, for analytical use, shall be colorless, transparent crystals or a white granular powder containing not less than ninety-nine and eight-tenths (99.8) per cent, by weight, of crystalline antimony potassium tartrate [$2K(SbO)C_4H_4O_6+H_2O$].

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
As	Nil
CaO	Nil
Foreign metals	0.002 per cent
Cl	0.002 per cent
SO_3	0.003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of antimony potassium tartrate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of antimony potassium tartrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ANTIPYRINE [$C_{11}H_{12}N_2O$], MEDICINAL.

Quality.

Antipyrine, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of antipyrine in any order is less than ten (10) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of antipyrine accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR ARSENIC IODIDE [AsI_3], MEDICINAL.

Quality.

Arsenic iodide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of arsenic iodide in any order is less than sixty (60) ounces, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one ounce or eight ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of arsenic iodide accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ARSENIC TRIOXIDE [As_2O_3], MEDICINAL.

Quality.

Arsenic trioxide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of arsenic trioxide in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing one pound, in the form of lumps or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of arsenic trioxide accepted, at the price bid per pound.

—

SPECIFICATION FOR ARSENIC TRIOXIDE [As_2O_3], REAGENT.

Quality.

Arsenic trioxide, for analytical use, shall be in the form of white, vitreous or porcelain-like pieces, or a white powder, *as called for in the schedules.* It shall contain not less than ninety-nine and ninety-five hundredths (99.95) per cent., by weight, of arsenic trioxide (As_2O_3).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
CaO	Nil
SO_3	0.0001 per cent.
Fe	0.010 per cent
N. V. M.	0.040 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of arsenic trioxide in any order is less than eighty (80) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of arsenic trioxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, ACETIC [$C_2H_4O_2$] (FREE FROM EMPYREUMA), REAGENT.

Quality.

Glacial acetic acid, for analytical use, shall be a clear, colorless liquid. It shall contain not less than ninety-nine and five-tenths (99.5) per cent, by weight, of absolute acetic acid ($C_2H_4O_2$).

It shall not contain impurities in excess of the limits shown in the following table:

Impurity	Maximum limit.
CH_2O_2	Nil
H Cl	Nil
SO_3	Nil
Empyreuma (Bichromate test ½ hr.)	Nil
Fe	0.0002 per cent
N.V.M.	0.0005 per cent
Heavy metals (precipitated by H_2S)	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of acetic acid in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound of five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of glacial acetic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID—SULPHURIC (FUMING) COMMERCIAL.

Quality.

Fuming sulphuric acid, of the commercial grade, shall be a slightly colored, oily, fuming liquid.

Strength.

It shall contain not less than nineteen and five-tenths (19.5) per cent of free sulphur trioxide (SO_3).

Impurities.

It shall not contain more than two-tenths (0.2) per cent of non-volatile matter.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of sulphuric acid in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sulphuric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM CARBONATE [$BaCO_3$], REAGENT.

Quality.

Barium carbonate, for analytical use, shall be a white powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Insoluble in HCl	Nil
HNO_3	Nil
Foreign metals	0.002 per cent
Cl	0.002 per cent
Alkalies + CaO	0.006 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium carbonate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM CHLORIDE [$BaCl_2+2H_2O$], REAGENT.

Quality.

Barium chloride, for analytical use, shall be in the form of colorless crystals or tablets of the size *as called for in the schedules.*

Solubility.

It shall be completely soluble in water, yielding a clear solution neutral to litmus paper.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Sr	Nil
HNO_3	Nil
Fe	0.0005 per cent
Na	0.0005 per cent
CaO	0.003 per cent
Heavy metals	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium chloride in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM DIOXIDE [BaO_2], REAGENT.

Quality.

Barium dioxide, for analytical use, shall be a white or grayish-white powder containing not less than eighty-two (82) per cent of barium dioxide (BaO_2).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
CaO+Mgo	0.002 per cent
$Fe+SiO_2+Al_2O_3$	0.10 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium dioxide in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium dioxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM HYDROXIDE [$Ba(OH)_2+8H_2O$], REAGENT.

Quality.

Barium hydroxide, for analytical use, shall be white crystals containing not less than ninety-nine (99) per cent, by weight, of crystalline barium hydroxide [$Ba(OH)_2+8H_2O$].

Solubility.

It shall be soluble in water yielding a clear solution. The insoluble residue shall not exceed five-thousandths (0.005) per cent by weight.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Sr	Nil
S	Nil
Fe	0.0005 per cent
Cl	0.0004 per cent
CaO	0.002 per cent
Heavy metals	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium hydroxide in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels

SPECIFICATION FOR ARSENIC IODIDE [AsI_3], MEDICINAL.

Quality.

Arsenic iodide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of arsenic iodide in any order is less than sixty (60) ounces, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one ounce or eight ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of arsenic iodide accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ARSENIC TRIOXIDE [As_2O_3], MEDICINAL.

Quality.

Arsenic trioxide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of arsenic trioxide in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing one pound, in the form of lumps or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of arsenic trioxide accepted, at the price bid per pound.

—

SPECIFICATION FOR ARSENIC TRIOXIDE [As_2O_3], REAGENT.

Quality.

Arsenic trioxide, for analytical use, shall be in the form of white, vitreous or porcelain-like pieces, or a white powder, *as called for in the schedules.* It shall contain not less than ninety-nine and ninety-five hundredths (99.95) per cent., by weight, of arsenic trioxide (As_2O_3).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
CaO	Nil
SO_3	0.0001 per cent.
Fe	0.010 per cent
N. V. M.	0.040 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of arsenic trioxide in any order is less than eighty (80) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of arsenic trioxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID, ACETIC [$C_2H_4O_2$] (FREE FROM EMPYREUMA), REAGENT.

Quality.

Glacial acetic acid, for analytical use, shall be a clear, colorless liquid. It shall contain not less than ninety-nine and five-tenths (99.5) per cent, by weight, of absolute acetic acid ($C_2H_4O_2$).

It shall not contain impurities in excess of the limits shown in the following table:

Impurity	Maximum limit.
CH_2O_2	Nil
H Cl	Nil
SO_3	Nil
Empyreuma (Bichromate test ½ hr.)	Nil
Fe	0.0002 per cent
N.V.M.	0.0005 per cent
Heavy metals (precipitated by H_2S)	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of acetic acid in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound of five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of glacial acetic acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ACID—SULPHURIC (FUMING) COMMERCIAL.

Quality.

Fuming sulphuric acid, of the commercial grade, shall be a slightly colored, oily, fuming liquid.

Strength.

It shall contain not less than nineteen and five-tenths (19.5) per cent of free sulphur trioxide (SO_3).

Impurities.

It shall not contain more than two-tenths (0.2) per cent of non-volatile matter.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of sulphuric acid in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sulphuric acid accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM CARBONATE [$BaCO_3$], REAGENT.

Quality.

Barium carbonate, for analytical use, shall be a white powder.

Impurities.

It shall not contain impurities in excess of the limits shown In the following table:

Impurity.	Maximum limit.
Insoluble in HCl	Nil
HNO_3	Nil
Foreign metals	0.002 per cent
Cl	0.002 per cent
Alkalies + CaO	0.006 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium carbonate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM CHLORIDE [$BaCl_2+2H_2O$], REAGENT.

Quality.

Barium chloride, for analytical use, shall be in the form of colorless crystals or tablets of the size *as called for in the schedules.*

Solubility.

It shall be completely soluble in water, yielding a clear solution neutral to litmus paper.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Sr	Nil
HNO_3	Nil
Fe	0.0005 per cent
Na	0.0005 per cent
CaO	0.003 per cent
Heavy metals	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium chloride in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM DIOXIDE [BaO_2], REAGENT.

Quality.

Barium dioxide, for analytical use, shall be a white or grayish-white powder containing not less than eighty-two (82) per cent of barium dioxide (BaO_2).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
CaO+Mgo	0.002 per cent
$Fe+SiO_2+Al_2O_3$	0.10 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium dioxide in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium dioxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM HYDROXIDE [$Ba(OH)_2+8H_2O$], REAGENT.

Quality.

Barium hydroxide, for analytical use, shall be white crystals containing not less than ninety-nine (99) per cent, by weight, of crystalline barium hydroxide [$Ba(OH)_2+8H_2O$].

Solubility.

It shall be soluble in water yielding a clear solution. The insoluble residue shall not exceed five-thousandths (0.005) per cent by weight.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Sr	Nil
S	Nil
Fe	0.0005 per cent
Cl	0.0004 per cent
CaO	0.002 per cent
Heavy metals	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium hydroxide in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels

thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium hydroxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM NITRATE [$Ba(NO_3)_2$], REAGENT.

Quality.

Barium nitrate, for analytical use, shall be colorless crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
SO_3	0.0002 per cent
Foreign metals	0.002 per cent
Cl	0.002 per cent
CaO+MgO	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium nitrate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium nitrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BARIUM SULPHIDE [BaS], REAGENT.

Quality.

Barium sulphide, for analytical use, shall be hard, gray, amorphous pieces.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
As	Nil
S (Free)	0.0005 per cent
Fe	0.0005 per cent
CaO	0.002 per cent
Cl	0.015 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of barium sulphide in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of barium sulphide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BENZENE [C_6H_6], MEDICINAL.

Quality.

Benzene or benzol, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of benzene in any order is less than one hundred twenty-five (125) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of benzene accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BENZENE [C_6H_6], PURE.

Quality.

Benzene, pure, shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of not more than eight hundred eighty-five thousandths (0.885) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between eighty (80) degrees and eighty-one (81) degrees Centigrade.

Impurities.

It shall be free from thiophene.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of benzene in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of benzene accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR BENZENE [C_6H_6], REAGENT.

Quality.

Benzene, for analytical use, shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of not more than eight hundred eighty-three thousandths (0.883) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between eighty and three-tenths (80.3) degrees and eighty and seven-tenths (80.7) degrees Centigrade.

Impurities.

It shall be free from thiophene, carbon disulphide and any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of benzene in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of benzene accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR PETROLEUM BENZIN, MEDICINAL.

Quality.

Petroleum benzin, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of petroleum benzin in any order is less than seventy (70) pounds, tests may be waived.

Delivery.

It shall be delivered either in bottles or tins containing one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of benzin accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR BENZIN, REAGENT.

Quality.

Benzin or petroleum ether, for analytical use, shall be a clear, colorless liquid obtained from petroleum by distillation.

Specific Gravity.

It shall have a specific gravity of not more than six hundred seventy thousandths (0.670) nor less than six hundred forty thousandths (0.640) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall distill completely between forty (40) degrees and sixty-five (65) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Heavy oils	Nil
Sulphur compounds	Nil
Reducing substances	Nil
N. V. M.	0.0005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of benzin in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of benzin accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BENZIN, TECHNICAL.

Quality.

Benzin, for technical use, shall be a clear, colorless liquid obtained from petroleum by distillation.

Specific Gravity.

It shall have a specific gravity of not more than six hundred seventy thousandths (0.670) nor less than six hundred forty thousandths (0.640) at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain more than one hundredth (0.01) per cent of non-volatile matter.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of benzin in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the size and kind of container *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of gallons net of benzin accepted, at the price bid per gallon, delivered in the size and kind of container specified.

—

SPECIFICATION FOR BISMUTH CHLORIDE [$BiCl_3$], REAGENT.

Quality.

Bismuth chloride, for analytical use, shall be white crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
As	0.0001 per cent
SO_3	0.002 per cent
Foreign metals	0.004 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of bismuth chloride in any order is less than ten (10) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bismuth chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BISMUTH NITRATE [$Bi(NO_3)_3+5H_2O$], REAGENT.

Quality.

Bismuth nitrate, for analytical use, shall be clear, colorless crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Foreign metals	Nil
SO_3	Nil
Free acid	0.0001 per cent
Cl	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of bismuth nitrate in any order is less than ten (10) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bismuth nitrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BISMUTH SUBCARBONATE [$(BiO)_2CO_3$], MEDICINAL.

Quality.

Bismuth subcarbonate, for medical purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of bismuth subcarbonate in any order is less than twelve (12) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bismuth subcarbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BISMUTH SUBGALLATE [$Bi(OH)_2C_7H_3O_5$], MEDICINAL.

Quality.

Bismuth subgallate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of bismuth subgallate in any order is less than fifteen (15) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles or cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bismuth subgallate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BISMUTH SUBNITRATE, MEDICINAL.

Quality.

Bismuth subnitrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of bismuth subnitrate in any order is less than fifteen (15) pounds, tests may be waived.

Delivery.

It shall be delivered either in bottles or boxes containing one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bismuth subnitrate accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR BISMUTH SUBNITRATE [$BiONO_3BiOOH$], REAGENT.

Quality.

Bismuth subnitrate, for analytical use, shall be a white crystalline powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Foreign metals	Nil
SO_3	Nil
Cl	0.006 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of bismuth subnitrate in any order is less than ten (10) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bismuth subnitrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BISMUTH SUBSALICYLATE [$Bi(C_7H_5O_3)_3Bi_2O_3$], MEDICINAL.

Quality.

Bismuth subsalicylate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of bismuth subsalicylate in any order is less than twelve (12) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bismuth subsalicylate accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR BROMINE [Br], MEDICINAL.

Quality.

Bromine, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of bromine in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles containing either one ounce or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bromine accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BROMINE [Br], REAGENT.

Quality.

Bromine, for analytical use, shall be a dark, reddish-brown liquid.

Specific Gravity.

It shall have a specific gravity of not less than two and ninety-seven hundredths (2.97) at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Organic bromine compounds	Nil
Cl	0.0005 per cent.
SO_3	0.0050 " "
N. V. M.	0.0005 " "

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of bromine in any order is less than forty (40) pounds. tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles, enclosed in tin, of the manufacturer with his labels thereon, containing either one ounce or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bromine accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR BROMOFORM, MEDICINAL.

Quality.

Bromoform, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of bromoform in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored glass-stoppered bottles containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of bromoform accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CAFFEINE [$C_8H_{10}N_4O_2$], MEDICINAL.

Quality.

Caffeine, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of caffeine in any order is less than six (6) pounds, tests may be waived.

Delivery.

It shall be delivered in the original cans of the manufacturer containing one pound. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of caffeine accepted, at the price bid per pound delivered.

—

SPECIFICATION FOR CAFFEINE SODIO-BENZOATE, MEDICINAL.

Quality.

Caffeine sodio-benzoate, for medicinal purposes, shall conform to the official requirements of the latest edition of the National Formulary.

Tests Waived.

When the total weight of caffeine sodio-benzoate in any order is less than six (6) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one-half pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of caffeine sodio-benzoate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CAFFEINE SODIO-SALICYLATE, MEDICINAL.

Quality.

Caffeine sodio-salicylate, for medicinal purposes, shall conform to the official requirements of the latest edition of the National Formulary.

Tests Waived.

When the total weight of caffeine sodio-salicylate in any order is less than six (6) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one-half pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of caffeine sodio-salicylate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CALAMUS, MEDICINAL.

Quality.

Calamus, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of calamus in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of calamus accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CALCIUM CARBONATE [$CaCO_3$], MEDICINAL.

(Precipitated.)

Quality.

Calcium carbonate, precipitated, for medicinal purposes, shall conform to the

official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of calcium carbonate in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of calcium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CALCIUM CARBONATE [$CaCO_3$], REAGENT.

Quality.

Calcium carbonate, for analytical use, shall be a white, crystalline powder.

Solubility.

It shall be completely soluble in hydrochloric acid yielding a clear, colorless solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Na+K	Nil
SO_3	Nil
HNO_3	0.0001 per cent
Cl	0.0003 per cent
Heavy metals	0.0006 per cent
MgO	0.007 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of calcium carbonate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of calcium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CALCIUM CHLORIDE [$CaCl_2$], MEDICINAL.

Quality.

Calcium chloride, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of calcium chloride in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of calcium chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CALCIUM CHLORIDE [$CaCl_2+4H_2O$] (CRYSTALS), REAGENT.

Quality.

Calcium chloride, crystals, for analytical use, shall be colorless crystals.

Solubility.

It shall be soluble in absolute alcohol. The insoluble residue shall not exceed five-thousandths (0.005) per cent.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
As	Nil
Ba	Nil
Heavy metals	0.002 per cent
CaO+MgO	0.002 per cent
SO_3	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of calcium chloride in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of calcium chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ANHYDROUS CALCIUM CHLORIDE [$CaCl_2$] (FOR DRYING TUBES), REAGENT.

Quality.

Anhydrous calcium chloride, for drying tubes, shall be white, granular masses.

Size.

It shall be of the size *as called for in the schedules* and in accordance with the following table:

Size.	Size of Sieve. Passed.	Retained on.
Number 4	Number 4	Number 12
Number 8	Number 8	Number 18
Number 12	Number 12	Number 20

It shall not contain more than one (1) per cent of material passing the retention sieve for that size.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Cl (Free)	Nil
Fe	0.002 per cent
SO_3	0.003 per cent
CaO+MgO	0.006 per cent
H_2O	0.10 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of anhydrous calcium chloride in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of anhydrous calcium chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CALCIUM HYPOCHLORITE (CHLORIDE OF LIME), TECHNICAL.

Quality.

Calcium hypochlorite, commonly called chloride of lime, for technical use, shall be a white or grayish-white powder, free from lumps.

Chlorine Content.

The standard for available chlorine content shall be thirty-three (33) per cent. When the available chlorine content in any delivery is less than this percentage, a deduction shall be made from the vendor's bill for that delivery of three (3) per cent for each per cent that the available chlorine content in the calcium hypochlorite delivered is less than the standard of thirty-three (33) per cent.

Samples.

Not less than five (5) per cent of the number of containers offered in a delivery shall be sampled by the city. The samples shall be placed and kept in hermetically sealed receptacles until analyzed.

Tests Waived.

When the total weight of calcium hypochlorite in any order is less than seven hundred (700) pounds, tests may be waived.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Delivery.

It shall be delivered in sound, tight containers of the size and kind *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds gross of calcium hypochlorite and container accepted, less such deduction as shall be made for deficiency of chlorine, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR CALCIUM HYPOPHOSPHITE [$Ca(PH_2O_2)_2$], MEDICINAL.

Quality.

Calcium hypophosphite, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of calcium hypophosphite in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered either in bottles containing one pound or five pounds, or in tins containing ten pounds or twenty-five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of calcium hypophosphite accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CALCIUM PHOSPHATE [$Ca_3(PO_4)_2$] MEDICINAL (PRECIPITATED).

Quality.

Calcium phosphate, precipitated, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of calcium phosphate in any order is less than eighty (80) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of calcium phosphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CALOMEL [HgCl], MEDICINAL.

Quality.

Calomel or mild mercurous chloride, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of calomel in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of calomel accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CAMPHOR [$C_{10}H_{16}O$], MEDICINAL.

Quality.

Camphor, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of camphor in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered either in packages containing four pounds or in tins containing five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of camphor accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR CAMPHOR—MONOBROMATED [$C_{10}H_{15}BrO$] MEDICINAL

Quality.

Monobromated camphor, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of monobromated camphor in any order is less than fifteen (15) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of monobromated camphor accepted, at the price bid per pound, delivered in the container specified.

—

SPECIFICATION FOR CARBON DISULPHIDE [CS_2] MEDICINAL.

Quality.

Carbon disulphide, for medicinal purposes, shall conform to the official require-

ments as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of carbon disulphide in any order is less than ninety (90) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of carbon disulphide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CARBON DISULPHIDE [CS_2], REAGENT.

Quality.

Carbon disulphide, for analytical use, shall be a clear, colorless liquid.

Acidity.

It shall be neutral to litmus paper previously moistened with water.

Specific Gravity.

It shall have a specific gravity of not less than one and twenty-seven hundredths (1.27) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between forty-six (46) degrees and forty-nine (49) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity	Maximum limit.
S (Free)	Nil
H_2S	Nil
SO_2	Nil
N.V.M.	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of carbon disulphide in any order is less than ninety (90) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of carbon disulphide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CARBON TETRACHLORIDE [CCl_4].

Quality.

Carbon tetrachloride shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of not less than one and sixty-three hundredths (1.63) at zero (O) degrees Centigrade.

Boiling Point.

It shall boil between seventy-six (76) degrees and seventy-eight (78) degrees Centigrade.

Methods of Tests.

All physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of carbon tetrachloride in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of carbon tetrachloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CARBON TETRACHLORIDE [CCl_4] REAGENT.

Quality.

Carbon tetrachloride, for analytical use, shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of not less than one and sixty-hundredths (1.60) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between seventy-five and five-tenths (75.5) degrees and seventy-seven and five-tenths (77.5) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity	Maximum limit.
Cl (Free)	Nil
H_2S	Nil
N. V. M.	0.0005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of carbon tetrachloride in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of carbon tetrachloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CASCARA SAGRADA, MEDICINAL.

Quality.

Cascara sagrada, for medicinal purposes, shall be the bark recognized by and conforming to the official requirements of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of cascara sagrada in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered in original pieces or in the form of powder and in the size and kind of container *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of cascara sagrada accepted, at the price bid per pound, delivered in the size and kind of container specified.

SPECIFICATION FOR CERIUM OXALATE [$Ce_2(C_2O_4)_3.9H_2O$] MEDICINAL.

Quality.

Cerium oxalate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of cerium oxalate in any order is less than seventy (70) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of cerium oxalate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CHLORAL HYDRATE [$CCl_3CH(OH_2)$] MEDICINAL.

Quality.

Chloral hydrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of chloral hydrate in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored, glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of chloral hydrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPFCIFICATION FOR CHLOROFORM (FOR ANAESTHESIA).

Quality.

Chloroform, for anaesthesia, shall be a clear, colorless liquid containing not less than ninety-nine (99) per cent, by weight, of absolute chloroform ($CHCl_3$) and from six-tenths to one (0.6 to 1) per cent of ethyl alcohol (C_2H_5OH).

Specific Gravity.

It shall have a specific gravity of not less than one and four hundred eighty-thousandths (1.480) at fifteen (15) degrees Centigrade.

Impurities.

It shall be free from acetone, acetaldehyde, organic impurities, and all odorous and chlorinated decomposition products of chloroform.

Residue: It shall not contain more than one ten-thousandth (0.0001) per cent of non-volatile matter upon evaporation to dryness.

Odor: It shall not impart any foreign odor when allowed to evaporate on filter paper.

Water: It shall not contain sufficient water to produce any evidence of turbidity when ten (10) cubic centimeters of paraffin oil, having a specific gravity of eight hundred-eighty thousandths (0.880), are agitated with an equal volume of chloroform.

Acidity: It shall not contain more than two ten-thousandths (0.0002) per cent of acids calculated as acetic acid ($C_2H_4O_2$).

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of chloroform in any order is less than eighty (80) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* If bottles are cork-stoppered, the stoppers shall be protected from the action of the chloroform by a satisfactory covering. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of chloroform accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CHLOROFORM [$CHCl_3$], REAGENT.

Quality.

Chloroform, for analytical use, shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of not less than one and four hundred-eighty thousandths (1.480) nor more than one and four hundred-ninety thousandths (1.490) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall have a boiling point of not less than sixty (60) nor more than sixty-two (62) degrees Centigrade.

Impurities.

It shall be free from free acid and chlorine. It shall not contain more than five-hundredths (0.05) per cent of alcohol or any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of chloroform in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored glass-stoppered bottles of the manufacturer, with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of chloroform accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CHROMIUM POTASSIUM SULPHATE [$CrK(SO_4)_2+12H_2O$], REAGENT.

Quality.

Chromium potassium sulphate, for analytical use, shall be dark, violet-red crystals, appearing ruby-red by transmitted light.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
CaO	0.002 per cent
MgO	0.002 per cent
Cl	0.002 per cent
Fe	0.030 per cent
Other metals precipitated by H_2S	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of chromium potassium sulphate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of chromium potassium sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CHROMIUM TRIOXIDE [CrO_3], MEDICINAL.

Quality.

Chromium trioxide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of chromium trioxide in any order is less than two hundred fifty (250) ounces, tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles containing one ounce. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of chromium trioxide accepted, at the price bid per ounce delivered.

—

SPECIFICATION FOR CHROMIUM TRIOXIDE [CrO_3], REAGENT.

Quality.

Chromium trioxide, for analytical use, shall be in the form of crystals or rhombic prisms containing not less than ninety-nine and nine-tenths (99.9) per cent, by weight, of absolute chromic trioxide (CrO_3).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
CaO	Nil
Fe	0.002 per cent
SO_3	0.005 per cent
HNO_3	0.05 per cent
Alkalies (calculated as Na)	0.05 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of chromium trioxide in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of chromium trioxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CHROMIUM TRIOXIDE [CrO_3], REAGENT.
(For Carbon Determination).

Quality.

Chromium trioxide, prepared especially for carbon determination, shall be brownish red crystals or rhombic prisms containing not less than eighty (80) per cent, by weight, of absolute chromium trioxide (CrO_3).

Impurities.

It shall be free from carbon when tested for it by combustion in the wet way.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of chromium trioxide in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of chromium trioxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CHRYSAROBIN [$C_{30}H_{26}O_7$], MEDICINAL.

Quality.

Chrysarobin, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of chrysarobin in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one ounce or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of chrysarobin accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR COCAINE HYDROCHLORIDE [$C_{17}H_{21}NO_4HCl$], MEDICINAL.

Quality.

Cocaine hydrochloride, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of cocaine hydrochloride in any order is less than ten (10) ounces, tests may be waived.

Delivery.

It shall be delivered in bottles containing one ounce. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of cocaine hydrochloride accepted, at the price bid per ounce delivered.

—

SPECIFICATION FOR CODEINE, MEDICINAL.

Quality.

Codeine, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of codeine in any order is less than eight (8) ounces, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing one ounce, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of codeine accepted, at the price bid per ounce delivered.

—

SPECIFICATION FOR CODEINE SULPHATE [$(C_{18}H_{21}NO_3)_2.H_2SO_4+5H_2O$], MEDICINAL.

Quality.

Codeine sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of codeine sulphate in any order is less than five (5) ounces, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing one ounce. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of codeine sulphate accepted, at the price bid per ounce delivered.

—

SPECIFICATION FOR COLLODION, MEDICINAL.

Quality.

Collodion, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of collodion in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one ounce or one pound or in tins containing one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of collodion accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR COPAIBA, MEDICINAL.

Quality.

Copaiba, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of copaiba in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either ten pounds or fifty pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of copaiba accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR COPPER ACETATE [$Cu(C_2H_3O_2)_2+H_2O$], REAGENT.

Quality.

Copper acetate, for analytical use, shall be bluish-green crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
HNO_3	0.0001 per cent
Foreign metals	0.0003 " "
SO_3	0.002 " "
Cl	0.006 " "

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of copper acetate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of copper acetate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR COPPER SULPHATE [$CuSO_4+5H_2O$], REAGENT.

Quality.

Copper sulphate, for analytical use, shall be deep blue, coarse or fine crystals, *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Cl	0.0003 per cent
Fe	0.0003 " "
Alkalies	0.05 " "

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Method of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of copper sulphate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of copper sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ANHYDROUS COPPER SULPHATE [$CuSO_4$], REAGENT.

Quality.

Anhydrous copper sulphate, for analytical use, shall be a grayish powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Pb	Nil
Cl	Nil
Fe	0.020 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of anhydrous copper sulphate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of anhydrous copper sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR COPPER SULPHATE, TECHNICAL.

Quality.

Copper sulphate, for technical use, shall be deep blue lumps containing not less than ninety-eight (98) per cent., by weight, of crystalline copper sulphate ($CuSO_4+5H_2O$).

Impurities.

It shall not contain more than one-hundredth (0.01) per cent. of arsenic (As).

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of copper sulphate in any order is less than four hundred (400) pounds, tests may be waived.

Delivery.

It shall be delivered in the size and kind of container *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of copper sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CREOSOTE, MEDICINAL.

Quality.

Creosote, for medicinal purposes, shall be the product obtained from beechwood tar and shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of creosote in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of creosote accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR CRESOL [C_7H_7OH], MEDICINAL.

Quality.

Cresol, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of cresol in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing either one pound or nine pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of cresol accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ABSOLUTE ETHER [$(C_2H_5)_2O$] REAGENT.

Quality.

Absolute ether shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of not less than seven hundred-nineteen thousandths (0.719) nor more than seven hundred-twenty thousandths (0.720) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall have a boiling point of not less than thirty-four (34) degrees nor more than thirty-six (36) degrees Centigrade.

Impurities.

It shall be free from organic impurities, peroxides and sulphur compounds.

Residue: It shall not contain more than one ten-thousandth (0.0001) per cent of residue when evaporated on a water bath. The last five cubic centimeters prior to complete evaporation shall not possess any foreign odor or show even a faint reaction on blue litmus paper.

Odor: It shall not impart any foreign odor when allowed to evaporate on filter paper.

Water: It shall not contain any water as determined with anhydrous copper sulphate.

Aldehyde: It shall not show the slightest reaction, turbidity or change of color, for aldehyde, after standing for six (6) hours exposed to broken sticks of potassium hydroxide.

Acidity: It shall not contain more than three-thousandths (0.003) per cent of acids, calculated as acetic acid ($C_2H_4O_2$).

Alcohol: It shall not contain more than five ten-thousandths (0.0005) per cent of alcohol (C_2H_5OH).

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of absolute ether in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in the original cans of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of absolute ether accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ETHER (FOR ANAESTHESIA).

Quality.

Ether, for anaesthesia, shall be a clear, colorless liquid containing not less than ninety-seven (97) per cent, by weight, of ethyl oxide [$(C_2H_5)_2O$] and not more than three (3) per cent of ethyl alcohol (C_2H_5OH).

Specific Gravity.

It shall have a specific gravity of not less than seven hundred-twenty thousandths (0.720) nor more than seven hundred twenty-three thousandths (0.723) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall completely distil over at a temperature below thirty-seven (37) degrees Centigrade, and not less than ninety-seven (97) per cent shall distil over between thirty-four (34) degrees and thirty-six (36) degrees Centigrade.

Impurities.

It shall be free from organic impurities, peroxides and sulphur compounds.

Residue: It shall not contain more than one ten-thousandth (0.0001) per cent of residue when evaporated on a water bath. The last five cubic centimeters prior to complete evaporation shall not possess any foreign odor or show even a faint reaction on blue litmus paper.

Odor: It shall not impart any foreign odor when allowed to evaporate on filter paper.

Water: It shall not contain any water as determined with anhydrous copper sulphate.

Aldehyde: It shall not show the slightest reaction, turbidity or change of color, for aldehyde, after standing for six (6) hours exposed to granulated potassium hydroxide.

Acidity: It shall not contain more than three-thousandths (0.003) per cent of acids, calculated as acetic acid ($C_2H_4O_2$).

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of ether in any order is less than eight hundred fifty (850) ounces, tests may be waived.

Delivery.

It shall be delivered in the original cans of the manufacturer with his labels thereon, containing either four ounces or eight ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of ether accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR ETHER [$(C_2H_5)_2O$] REAGENT.

Quality.

Ether, for analytical use, shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of not less than seven hundred-nineteen thousandths (0.719) nor more than seven hundred twenty-one thousandths (0.721) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall have a boiling point of not less than thirty-four (34) degrees nor more than thirty-six (36) degrees Centigrade.

Impurities.

It shall be free from organic impurities, peroxides and sulphur compounds.

Residue: It shall not contain more than five ten thousandths (0.0005) per cent of residue when evaporated on a water bath. The last five cubic centimeters prior to complete evaporation shall not possess any foreign odor or show even a faint reaction on blue litmus paper.

Odor: It shall not impart any foreign odor when allowed to evaporate on filter paper.

Water: It shall not contain more than one (1) per cent of water (H_2O).

Aldehyde: It shall not show the slightest reaction, turbidity or change of color, for aldehyde, after standing for one (1) hour exposed to broken sticks of potassium hydroxide.

Acidity: It shall not contain more than three-thousandths (0.003) per cent of acids, calculated as acetic acid ($C_2H_4O_2$).

Alcohol: It shall not contain more than five ten-thousandths (0.0005) per cent of alcohol (C_2H_5OH).

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ether in any order is less than twenty-five (25) pounds, tests may be waived.

Delivery.

It shall be delivered in the original cans of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ether accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR EXTRACT OF INDIAN CANNABIS, MEDICINAL.

Quality.

Extract of Indian cannabis, for medicinal purposes, shall be the extract made according to the latest revision of the United States Pharmacopoeia.

Solubility.

It shall contain not less than seven (7) per cent of water-soluble extract and shall be completely soluble in ninety (90) per cent alcohol.

Water Content.

It shall contain not more than eight (8) per cent of water.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of extract of indian cannabis in any order is less than one (1) pound, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of extract of indian cannabis accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR FERRIC CHLORIDE [$FeCl_3+6H_2O$] MEDICINAL.

Quality.

Ferric chloride, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of ferric chloride in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ferric chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR FERRIC AMMONIUM SULPHATE [$FeNH_4(SO_4)_2+12H_2O$] MEDICINAL.

Quality.

Ferric ammonium sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the totad weight of ferric ammonium sulphate in any order is less than one hundred twenty-five (125) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ferric ammonium sulphate accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR FERRIC AMMONIUM SULPHATE [$FeNH_4(SO_4)_2+12H_2O$], REAGENT.

Quality.

Ferric ammonium sulphate, for analytical use, shall be large, transparent, octahedral crystals, pale violet or amethyst in color, containing not less than ninety-nine and five-tenths (99.5) per cent, by weight, of crystalline ferric ammonium sulphate [$FeNH_4(SO_4)_2+12H_2O$].

Solubility.

It shall be completely soluble in water, yielding a clear solution.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Metals precipitated by H_2S	Nil
Nitrate	0.0002 per cent
Al	0.0002 per cent
CaO	0.0002 per cent
Ferrous salt	0.0002 per cent
Cl	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of ferric ammonium sulphate in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of ferric ammonium sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SOLUBLE FERRIC PHOSPHATE, MEDICINAL.

Quality.

Soluble ferric phosphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of soluble ferric phosphate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing one pound. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of soluble ferric phosphate accepted, at the price bid per pound delivered.

—

SPECIFICATION FOR SOLUTION OF FORMALDEHYDE, MEDICINAL.

Quality.

Solution of formaldehyde, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of solution of formaldehyde in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing five pounds, or in carboys or barrels, *as called for in the schedules.* All containers shall become the property of the City of New York, *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of pounds net of solution of formaldehyde accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR GLYCERINE [$C_3H_8O_3$], MEDICINAL.

Quality.

Glycerine, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of glycerine in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered either in bottles containing five pounds or in boxed cans, equipped with nozzles, containing fifty pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of glycerine accepted, at the price bid per pound, delivered in the kind of container specified.

—

SPECIFICATION FOR GLYCERINE [$C_3H_8O_3$], REAGENT.

Quality.

Glycerine, for analytical use, shall be a clear, colorless, odorless liquid containing not less than ninety-five (95) per cent of glycerine ($C_3H_8O_3$).

Specific Gravity.

It shall have a specific gravity of not less than one and two hundred-fifty thousandths (1.250) at fifteen (15) degrees Centigrade.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Acids	Nil
Heavy metals	Nil
Sugar	Nil
N. V. M.	Nil
SO_3	Nil
Cl	0.001 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of glycerine in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of glycerine accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR HEXAMETHYLENAMINE, MEDICINAL.

Quality.

Hexamethylenamine, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of hexamethylenamine in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of hexamethylenamine accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SOLUTION OF HYDROGEN DIOXIDE, MEDICINAL.

Quality.

Hydrogen dioxide solution, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of hydrogen dioxide solution in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing one pound. Twenty-five bottles shall be packed in each case. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of hydrogen dioxide solution accepted, at the price bid per pound delivered.

—

SPECIFICATION FOR HYDROGEN DIOXIDE SOLUTION [H_2O_2+Aq], REAGENT.

Quality.

Hydrogen dioxide solution, for analytical use, shall be a colorless liquid containing not less than two and ninety-hundredths (2.90) per cent. or four and four-tenths (4.4) per cent, by weight, of hydrogen dioxide (H_2O_2) *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
C_8H_9NO	Nil
Heavy metals	0.0003 per cent
MgO	0.006 per cent
SO_3	0.028 per cent
Non-volatile matter	0.12 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of hydrogen dioxide solution in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles of the manufacturer with his labels thereon, containing one pound. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of hydrogen dioxide solution accepted, at the price bid per pound delivered.

—

SPECIFICATION FOR IODINE [I], MEDICINAL.

Quality.

Iodine, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of iodine in any order is less than ten (10) pounds, tests may be waived.

Delivery.

It shall be delivered in glass-stoppered bottles containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of iodine accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR IODINE—RESUBLIMED [I], REAGENT.

Quality.

Resublimed iodine, for analytical use, shall be blackish-gray plates or scales, having a metallic luster and containing not less than ninety-nine and eight-tenths (99.8) per cent, by weight, of absolute iodine (I).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
CN	Nil
Br	Nil
Cl	Nil
N. V. M.	0.01 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of resublimed iodine in any order is less than six (6) pounds, tests may be waived.

Delivery.

It shall be delivered in the original glass-stoppered bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of iodine accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR IODOFORM [CHI_3], MEDICINAL.

Quality.

Iodoform, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of iodoform in any order is less than eight (8) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one ounce or one pound, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of iodoform accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR IRON AND POTASSIUM TARTRATE, MEDICINAL.

Quality.

Iron and potassium tartrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of iron and potassium tartrate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing one pound. All containers shall become the property of the City of New York.

Payment.

Payments shall be made for the number of pounds net of iron and potassium tartrate accepted, at the price bid per pound delivered.

—

SPECIFICATION FOR LARD, MEDICINAL.

Quality.

Lard, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of lard in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either ten pounds or twenty-five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of lard accepted, at the price bid per pound, delivered in the size of contained specified.

—

SPECIFICATION FOR BENZOINATED LARD, MEDICINAL.

Quality.

Benzoinated lard, for medicinal purposes, shall be prepared according to the formulae prescribed in the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of benzoinated lard in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of benzoinated lard accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR LEAD ACETATE [$Pb(C_2H_3O_2)_2+3H_2O$], MEDICINAL.

Quality.

Lead acetate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of lead acetate in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, in the form of crystals, granules or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of lead acetate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR LEAD ACETATE [$Pb(C_2H_3O_2)_2+3H_2O$], REAGENT.

Quality.

Lead acetate, for analytical use, shall be colorless translucent crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
HNO_3	Nil
Foreign metals	0.0005 per cent
Cl	0.002 per cent
CaO	0.002 per cent
Alkalies and earths	0.02 per cent

It shall not contain any other impurity that will interfere with analytical work.

Solubility.

Five (5) grams shall dissolve in fifty (50) cubic centimeters of water, yielding a clear or only a slight opalescent solution.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of lead acetate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing eithed one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of lead acetate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR LEAD ACETATE-BASIC [$Pb(C_2H_3O_2)_2 2PbO+H_2O$], REAGENT.

Quality.

Basic lead acetate, for analytical use, shall be lustrous white needles.

Impurities.

It shall not contain any impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
HNO_3	Nil
Alkalines	0.0001 per cent
Cl	0.002 per cent
CaO	0.002 per cent
Foreign metals	0.006 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of basic lead acetate in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of basic lead acetate accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR LYCOPODIUM, MEDICINAL.

Quality.

Lycopodium, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of lycopodium in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing one pound. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of lycopodium accepted, at the price bid per pound delivered.

—

SPECIFICATION FOR MAGNESIUM SULPHATE [$MgSO_4+7H_2O$], MEDICINAL.

Quality.

Magnesium sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of magnesium sulphate in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered either in cartons containing one pound or in barrels, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of magnesium sulphate accepted, at the price bid per pound, delivered in the kind of container specified.

—

SPECIFICATION FOR MAGNESIUM SULPHATE [$MgSO_4+7H_2O$], REAGENT.

Quality.

Magnesium sulphate, for analytical use, shall be colorless crystals.

Impurities.

It shall not contain more than two-thousandths (0.002) per cent. of heavy metals, of arsenic (As), of chlorine (Cl) nor of lime (CaO), or any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of magnesium sulphate in any order is less than one hundred seventy-five (175) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of magnesium sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR METHYL SALICYLATE [$C_8H_8O_3$], MEDICINAL.

Quality.

Methyl salicylate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of methyl salicylate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered either in bottles containing one pound or in cans containing fifty pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of methyl salicylate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR MORPHINE SULPHATE [$(C_{17}H_{19}NO_3)_2H_2SO_4+5H_2$], MEDICINAL.

Quality.

Morphine sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of morphine sulphate in any order is less than five (5) ounces, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing one ounce in the form of cubes, crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of morphine sulphate accepted, at the price bid per ounce delivered.

—

SPECIFICATION FOR CASTOR OIL, MEDICINAL.

Quality.

Castor oil, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of castor oil in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered either in bottles containing one pound or in cans containing forty pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of castor oil accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR COD LIVER OIL, MEDICINAL.

Quality.

Cod liver oil, for medicinal purposes, shall be the best Norwegian oil, and shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of cod liver oil in any order is less than twenty (20) gallons, tests may be waived.

Delivery.

It shall be delivered either in bottles containing one gallon or in barrels, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of gallons of cod liver oil accepted, at the price bid per gallon, delivered in the size of container specified.

—

SPECIFICATION FOR COTTON SEED OIL, MEDICINAL.

Quality.

Cotton seed oil, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of cotton seed oil in any order is less than forty (40) gallons, tests may be waived.

Delivery.

It shall be delivered either in bottles containing one gallon or in barrels, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of gallons of cotton seed oil accepted, at the price bid per gallon, delivered in the size of container specified.

—

SPECIFICATION FOR OIL OF LAVENDER FLOWERS, MEDICINAL.

Quality.

Oil of lavender flowers, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of oil of lavender flowers in any order is less than eight (8) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of oil of lavender flowers accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR PURIFIED OXGALL, MEDICINAL.

Quality.

Purified oxgall, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of purified oxgall in any order is less than fifteen (15) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either one pound or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of purified oxgall accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR PARALDEHYDE [$C_6H_{12}O_3$], MEDICINAL.

Quality.

Paraldehyde, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of paraldehyde in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing five pounds. All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of paraldehyde accepted, at the price bid per pound delivered.

—

SPECIFICATION FOR PETROLATUM, MEDICINAL.

Quality.

Petrolatum, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Color.

It shall be either pale yellow or white in color, *as called for in the schedules.*

Tests Waived.

When the total weight of petrolatum in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing five pounds, twenty-five pounds or fifty pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of petrolatum accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR LIQUID PETROLATUM, MEDICINAL.

Quality.

Liquid petrolatum, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of liquid petrolatum in any order is less than one hundred seventy-five (175) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of liquid petrolatum accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR WHITE PETROLATUM, MEDICINAL.

Quality.

White petrolatum, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of white petrolatum in any order is less than one hundred and seventy-five (175) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of white petrolatum accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR PHENOL, CRUDE.

Quality.

Crude phenol, for technical use, shall be a pale liquid containing not less than eight (8) per cent, by weight, of absolute phenol (C_6H_6O).

Specific Gravity.

It shall have a specific gravity of approximately one and two-thousandths (1.002) at fifteen (15) degrees Centrigrade.

Residue.

Not more than five (5) per cent of residue shall remain when distilled at three hundred sixty (360) degrees Centigrade.

Methods of Tests.

All physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of crude phenol in any order is less than two hundred (200) pounds, tests may be waived.

Delivery.

It shall be delivered in the kind and size of container *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of crude phenol accepted, at the price bid per pound, delivered in the kind and size of container specified.

—

SPECIFICATION FOR PHENOL [C_6H_6O] (CRYSTALS) MEDICINAL.

Quality.

Phenol, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Color.

It shall be colorless when delivered, and remain colorless for at least three months from date of delivery, under ordinary conditions.

Tests Waived.

When the total weight of phenol in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered either in amber-colored bottles containing one pound or in screw capped cans containing ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of phenol accepted, at the price bid per pound, delivered in the kind of container specified.

—

SPECIFICATION FOR PHENOL [C_6H_5OH] REAGENT.

Quality.

Phenol, or carbolic acid, for analytical use, shall be loose, colorless crystals containing not less than ninety-six (96) per cent, by weight, of absolute phenol (C_6H_5OH).

Color.

It shall be colorless when delivered and remain colorless for at least three months from date of delivery, under ordinary conditions.

Solidifying Point.

It shall show a solidifying point of not less than forty (40) degrees Centigrade.

Impurities.

It shall be free from heavy metals. It shall not contain more than two-thousandths (0.002) per cent. of non-volatile matter, or any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of phenol in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of phenol accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM ACETATE [$KC_2H_3O_2$] MEDICINAL.

Quality.

Potassium acetate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of potassium acetate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium acetate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM ACETATE [$KC_2H_3O_2$] REAGENT.

Quality.

Potassium acetate, for analytical use, shall be white crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Na	Nil
CaO	Nil
Metals, calculated as Fe	0.0006 per cent
Cl	0.0006 per cent
SO_3	0.0020 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of patassium acetate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium acetate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM BICARBONATE [$KHCO_3$] MEDICINAL.

Quality.

Potassium bicarbonate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of potassium bicarbonate in any order is less than one hundred seventy-five (175) pounds, tests may be waived.

Delivery.

It shall be delivered either in cartons containing one pound or in boxes containing five pounds, in the form of crystals, granules or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium bicarbonate accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR POTASSIUM BICARBONATE [$KHCO_3$] REAGENT.

Quality.

Potassium bicarbonate, for analytical use, shall be colorless, transparent crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Foreign metals	0.0008 per cent
SiO_2	0.002 per cent
SO_3	0.002 per cent
Cl	0.003 per cent
CaO+MgO	0.007 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Method of Tests.

Anaylsis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of potassium bicarbonate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium bicarbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM BITARTRATE [$KHC_4H_4O_6$], MEDICINAL.

Quality.

Potassium bitartrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of potassium bitartrate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium bitartrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM BITARTRATE [$KHC_4H_4O_6$], REAGENT.

Quality.

Potassium bitartrate, for analytical use, shall be in the form of white crystals or powder, *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Cl	0.002 per cent
SO_3	0.002 per cent
CaO	0.002 per cent
Metals, calculated as Fe	0.005 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of potassium bitartrate in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-half pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium bitartrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM BROMIDE [KBr], MEDICINAL.

Quality.

Potassium bromide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of potassium bromide in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing either one pound or five pounds, in the form of crystals, granules or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium bromide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM BROMIDE [KBr], REAGENT.

Quality.

Potassium bromide, for analytical use, shall be white, lustrous crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Bromate	Nil
Ba	Nil
Cl	0.0005 per cent
Metals, calculated as Fe	0.0005 per cent
Earths	0.0005 per cent
SO_3	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of potassium bromide in any order is less than forty (40) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium bromide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM CARBONATE [K_2CO_3], MEDICINAL.

Quality.

Potassium carbonate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of potassium carbonate in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATION FOR ANHYDROUS POTASSIUM CARBONATE [K_2CO_3], REAGENT.

Quality.

Anhydrous potassium carbonate, for analytical use, shall be a white, granular powder, containing not less than ninety nine (99) per cent, by weight, of potassium carbonate (K_2CO_3).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
CaO	0.002 per cent
Metals, calculated as Fe	0.003 per cent
Cl	0.003 per cent
SiO_2	0.006 per cent
SO_3	0.030 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of anhydrous potassium carbonate in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of anhydrous potassium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM CHLORATE [$KClO_3$], MEDICINAL.

Quality.

Potassium chlorate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of potassium chlorate in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium chlorate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM CITRATE [$K_3C_6H_5O_7+H_2O$], MEDICINAL.

Quality.

Potassium citrate, for medicinal purposes, shall conform to the official requirements, as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of potassium citrate in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium citrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM CITRATE [$K_3C_6H_5O_7+H_2O$], REAGENT.

Quality.

Potassium citrate, for analytical use, shall be colorless crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Pb	Nil
Other metals	0.002 per cent
SO_3	0.003 per cent
CO_2	0.090 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of potassium citrate in any order is less than thirty-five (35) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium citrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM HYDROXIDE [$KOH+xH_2O$], MEDICINAL.

Quality.

Potassium hydroxide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of potassium hydroxide in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the form of sticks or lumps in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium hydroxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM HYDROXIDE [$KOH+xH_2O$], REAGENT.

Quality.

Potassium hydroxide, for analytical use, shall be in the form of sticks or lumps, *as called for in the schedules.*

Grade.

It shall be of the grade *as called for in the schedules,* containing not less than the following amounts of potassium hydroxide KOH:

	Minimum Limit.	
	Purified by Alcohol.	Electrolytic.
KOH	90.0 per cent	85.0 per cent

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit. Purified by Alcohol.	Electrolytic.
K_2CO_3	0.100 per cent	0.100 per cent
Cl	0.030 per cent	0.400 per cent
$Fe+Al_2O_3+SiO_2$	0.020 per cent	0.020 per cent
SO_3	0.030 per cent	0.003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of potassium hydroxide in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of The City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium hydroxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM IODIDE [KI], MEDICINAL.

Quality.

Potassium iodide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of potassium iodide in any order is less than ten (10) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium iodide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM IODIDE [KI], REAGENT.

Quality.

Potassium iodide, for analytical use, shall be white crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
Metals	Nil.
Iodate	0.0005 per cent
Br	0.0005 per cent
CO_2	0.0005 per cent
SO_3	0.0020 per cent
Cl	0.0020 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of potassium iodide in any order is less than ten (10) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one ounce or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium iodide accepted, at the price bid per pound, delivered in the size of the container specified.

—

SPECIFICATION FOR POTASSIUM PERMANGANATE [$KMnO_4$], MEDICINAL.

Quality.

Potassium permanganate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of potassium permanganate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium permanganate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR POTASSIUM PERMANGANATE [$KMnO_4$], REAGENT.

Quality.

Potassium permanganate, for analytical use, shall be small, dark violet prisms exhibiting a steel blue luster.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit.
HNO_3	Nil
CaO	Nil
Cl	0.0003 per cent
Fe	0.0003 per cent
SO_3	0.003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of potassium permanganate in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of potassium permanganate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR PYROGALLOL [$C_6H_6O_3$], MEDICINAL.

Quality.

Pyrogallol, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of pyrogallol in any order is less than twenty (20) pounds, tests may be waived.

Delivery.

It shall be delivered either in amber-colored bottles containing one ounce or in cans containing one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net or fractions thereof of pyrogallol accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR QUININE [$C_{20}H_{24}N_2O_2$] (ALKALOID), MEDICINAL.

Quality.

Quinine, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of quinine in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing five ounces or one hundred ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of quinine accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR QUININE SULPHATE [$(C_{20}H_{24}N_2O_2)H_2SO_4+7H_2O$], MEDICINAL.

Quality.

Quinine sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of quinine sulphate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing five ounces or one hundred ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of quinine sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR RHUBARB, MEDICINAL.

Quality.

Rhubarb, for medicinal purposes, shall be the rhizome recognized by and conforming to the official requirements of the latest revision of the United States Pharmacopoeia.

Form.

It shall be delivered in the form of pieces of the first or second grade, or in the form of powder, *as called for in the schedules.*

Extractive Matter.

It shall yield not less than thirty-three (33) per cent of extractive matter to forty-five (45) per cent alcohol.

Moisture, Ash and Oil.

It shall not contain more than nine (9) per cent of moisture, more than twelve and one-half (12½) per cent of non-volatile matter, nor more than three-tenths (0.3) per cent of oil.

Adulterants.

It shall be free from tumeric, added starch and adulterants.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of rhubarb in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes or cans containing either five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of rhubarb accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR SENEGA, MEDICINAL.

Quality.

Senega, for medicinal purposes, shall be the root recognized by, and conforming to, the official requirements of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of senega in any order is less than fifty (50) pounds, tests may be waived.

Delivery.

It shall be delivered in original form or in the form of powder, in boxes containing either five pounds or fifty pounds, *as called for in the schedules.*

Payment.

Payment shall be made for the number of pounds net of senega accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SENNA, MEDICINAL.

Quality.

Senna, for medicinal purposes, shall be of the leaves recognized by, and conforming to, the official requirements of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of senna in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing either five pounds or twenty-five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of senna accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SILVER NITRATE [$AgNO_3$], MEDICINAL.

Quality.

Silver nitrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopœia.

Tests Waived.

When the total weight of silver nitrate in any order is less than sixty (60) ounces, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of silver nitrate accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR MOULDED SILVER NITRATE, MEDICINAL.

Quality.

Moulded silver nitrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of moulded silver nitrate in any order is less than seventy-five (75) ounces, tests may be waived.

Delivery.

It shall be delivered in amber-colored bottles containing either one ounce or four ounces, in the form of pencils or cones, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of silver nitrate accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR SILVER NITRATE [$AgNO_3$], REAGENT.

Quality.

Silver nitrate, for analytical use, shall be colorless, lustrous crystals or sticks, *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum limit
Cl	Nil
SO_3	Nil
Alkalies, calculated as Na	0.0003 per cent
Metals, calculated as Fe	0.0006 per cent
CaO	0.0020 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of silver nitrate in any order is less than fifty (50) ounces, tests may be waived.

Delivery.

It shall be delivered in the original amber-colored bottles of the manufacturer with his labels thereon, containing either one ounce or four ounces, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of ounces net of silver nitrate accepted, at the price bid per ounce, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM BICARBONATE [$NaHCO_3$], MEDICINAL.

Quality.

Sodium bicarbonate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium bicarbonate in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in tins containing five pounds or in kegs, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium bicarbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM BICARBONATE [$NaHCO_3$], REAGENT.

Quality.

Sodium bicarbonate, for analytical use, shall be white crystals or powder containing not less than ninety-nine and ninety- hundredths (99.90) per cent of sodium bicarbonate ($NaHCO_3$).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity	Maximum limit
Na_2CO_3	0.0005 per cent
Cl	0.0005 per cent
Metals, calculated as Fe	0.0020 per cent
SO_3	0.0020 per cent
CaO	0.150 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sodium bicarbonate in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium bicarbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM BORATE [$Na_2B_4O_7+10H_2O$] (BORAX), MEDICINAL.

Quality.

Sodium borate (borax), for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium borate in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in the form of crystals, granules or powder in boxes containing either five pounds or twenty-five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium borate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM BORATE [$Na_2B_4O_7+10H_2O$], REAGENT.

Quality.

Sodium borate, for analytical use, shall be hard, colorless crystals or crystalline pieces.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity	Maximum limit
CaO	Nil
Fe	0.0002 per cent
Cl	0.0002 per cent
CO_2	0.0002 per cent
SO_3	0.002 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sodium borate in any order is less than eighty (80) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing one pound, five pounds or ten pounds, in the form of crystals or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium borate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM BROMIDE [NaBr], MEDICINAL.

Quality.

Sodium bromide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium bromide in any order is less than seventy-five (75) pounds, tests may be waived.

Delivery.

It shall be delivered in boxes containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium bromide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR MONOHYDRATED SODIUM CARBONATE [$Na_2CO_3+H_2O$], MEDICINAL.

Quality.

Monohydrated sodium carbonate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of monohydrated sodium carbonate in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of monohydrated sodium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM CARBONATE [$Na_2CO_3+10H_2O$], REAGENT.

Quality.

Sodium carbonate, for analytical use, shall be colorless crystals, containing not less than thirty-seven (37) per cent of dehydrated sodium carbonate (Na_2CO_3).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Foreign metals	0.0025 per cent
SiO_2	0.002 per cent
SO_3	0.002 per cent
Cl	0.007 per cent
CaO+MgO	0.015 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sodium carbonate in any order is less than one hundred fifty (150) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ANHYDROUS SODIUM CARBONATE [Na_2CO_3], REAGENT.

Quality.

Anhydrous sodium carbonate, for analytical use, shall be a dry, white powder.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Loss on ignition	0.30 per cent
Foreign metals	0.0025 per cent
Cl	0.0025 per cent
SiO_2	0.0025 per cent
CaO+MgO	0.015 per cent
SO_3	0.025 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of anhydrous sodium carbonate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of anhydrous sodium carbonate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM CHLORIDE [NaCl], MEDICINAL.

Quality.

Sodium chloride, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium chloride in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, or in barrels, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium chloride accepted, at the price bid per pound.

SPECIFICATION FOR SODIUM CHLORIDE [NaCl], REAGENT.

Quality.

Sodium chloride, for analytical use, shall be white crystals or fused, colorless, translucent pieces, *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Foreign metals	0.0003 per cent
So_3	0.002 per cent
CaO+MgO	0.003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sodium chloride in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium chloride accepted, at the price bid per pound, delivered in the size of container specified.

—

SODIUM CITRATE [$2Na_3C_6H_5O_7+11H_2O$], MEDICINAL.

Quality.

Sodium citrate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium citrate in any order is less than sixty-five (65) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium citrate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM HYDROXIDE [NaOH], MEDICINAL.

Quality.

Sodium hydroxide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium hydroxide in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium hydroxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM HYDROXIDE [NaOH], REAGENT.

Quality.

Sodium hydroxide, for analytical use, shall be in the form of sticks or lumps, *as called for in the schedules.*

Grades.

It shall be of the grade *as called for in the schedules,* containing not less than the following amounts of sodium hydroxide:

	Minimum Limit.	
	Purified by Alcohol.	Electrolytic.
NaOH	94.0 per cent.	97.0 per cent.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.	
	Purified by Alcohol.	Electrolytic.
Na_2CO_3	0.100 per cent	0.100 per cent
Cl	0.020 per cent	0.070 per cent
$Fe+Al_2O_3+SiO_2$	0.003 per cent	0.020 per cent
SO_3	0.007 per cent	0.020 per cent
CaO+MgO	0.003 per cent	0.003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sodium hydroxide in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium hydroxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM PHOSPHATE [$Na_2HPO_4+12H_2O$], MEDICINAL.

Quality.

Sodium phosphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium phosphate in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either one pound or five pounds, in the form of crystals, granules or powder, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium phosphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM PHOSPHATE [$Na_2HPO_4+12H_2O$], REAGENT.

Quality.

Sodium phosphate, for analytical use, shall be colorless, transparent crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Foreign metals	0.0007 per cent
SO_3	0.007 per cent
Cl	0.002 per cent
As (one hour Marsh apparatus test)	Nil

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sodium phosphate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer, with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium phosphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM SALICYLATE [$NaC_7H_5O_3$], MEDICINAL.

Quality.

Sodium salicylate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium salicylate in any order is less than sixty (60) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium salicylate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM SULPHITE [$Na_2SO_3+7H_2O$], MEDICINAL.

Quality.

Sodium sulphite, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium sulphite in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in cans containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium sulphite accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM SULPHITE, REAGENT.

Quality.

Sodium sulphite, for analytical use, shall be colorless crystals or an anhydrous white powder, *as called for in the schedules.* The anhydrous powder shall contain not less than eighty-five (85) per cent. of sodium sulphite (Na_2SO_3).

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.	
	Crystals.	Anhydrous Powder.
Metals	0.0005 per cent	0.0007 per cent
SO_3	0.0003 per cent	0.0003 per cent
CaO	0.002 per cent	0.006 per cent
SiO_2	0.002 per cent	0.004 per cent
Cl	0.002 per cent	0.015 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sodium sulphite in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium sulphite accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SODIUM THIOSULPHATE [$Na_2S_2O_3+5H_2O$], MEDICINAL.

Quality.

Sodium thiosulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sodium thiosulphate in any order is less than four hundred (400) pounds, tests may be waived.

Delivery.

It shall be delivered in the form of crystals or powder, in boxes containing five pounds, or in kegs, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium thiosulphate accepted, at the price bid per pound, delivered in the kind of container specified.

—

SPECIFICATION FOR SODIUM THIOSULPHATE, REAGENT.

Quality.

Sodium thiosulphate, for analytical use, shall be colorless crystals or an anhydrous powder, *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.	
	Crystals.	Anhydrous Powder.
Metals	0.0003 per cent	0.003 per cent
CaO	0.0001 per cent	0.002 per cent
SO_3	0.30 per cent	0.90 per cent
S (Free)	0.0001 per cent	0.0001 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of sodium thiosulphate in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sodium thiosulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SQUILL, MEDICINAL.

Quality.

Squill, for medicinal purposes, shall be the bulb recognized by and conforming to the official requirements of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of squill in any order is less than one hundred thirty (130) pounds, tests may be waived.

Delivery.

It shall be delivered in slices or in the form of powder in bottles, containing either one pound or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of squill accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR PRECIPITATED SULPHUR, MEDICINAL.

Quality.

Precipitated sulphur, for medicinal use, shall conform to the official requirements of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of precipitated sulphur in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of precipitated sulphur accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR SULPHUR, ROLL.

Quality.

Sulphur, roll, shall contain not less than ninety-nine (99) per cent. of pure sulphur (S).

Impurities.

It shall not leave after burning or volatizing more than five-tenths (0.5) per cent. of residue.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of sulphur, roll, in any order is less than eight hundred (800) pounds, tests may be waived.

Delivery.

It shall be delivered in the size and kind of container *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sulphur, roll, accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR SUBLIMED SULPHUR, MEDICINAL.

Quality.

Sublimed sulphur, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of sublimed sulphur in any order is less than five hundred (500) pounds, tests may be waived.

Delivery.

It shall be delivered in the size and kind of container *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of sublimed sulphur accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR WASHED SULPHUR, MEDICINAL.

Quality.

Washed sulphur, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of washed sulphur in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of washed sulphur accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR TALC, MEDICINAL.

Quality.

Talc, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of talc in any order is less than three hundred (300) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, or in kegs or barrels, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of talc accepted, at the price bid per pound, delivered in the size and kind of container specified.

—

SPECIFICATION FOR PURIFIED TALC, MEDICINAL.

Quality.

Purified talc, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of purified talc in any order is less than one hundred seventy-five (175) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing five pounds or ten pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of purified talc accepted, at the price bid per pound, delivered in the size of container specified.

SPECIFICATIONS FOR THYMOL [$C_{10}H_{14}O$], MEDICINAL.

Quality.

Thymol, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of thymol in any order is less than twelve (12) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles, containing either one-quarter pound or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of thymol accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR TRITICUM, MEDICINAL.

Quality.

Triticum, for medicinal purposes, shall be the rhizome recognized by and conforming to the official requirements of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of triticum in any order is less than one hundred seventy-five (175) pounds, tests may be waived.

Delivery.

It shall be delivered in bags containing either five pounds or twenty-five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of triticum accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR HAMAMELIS WATER (WITCH HAZEL WATER).

Quality.

Hamamelis water (witch hazel water) shall be prepared according to the formulae prescribed in and conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of Hamamelis water in any order is less than thirty-five (35) pounds, tests may be waived.

Delivery.

It shall be delivered in the kind and size of container *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of gallons of Hamamelis water accepted, at the price bid per gallon, delivered in the size and kind of container specified.

—

SPECIFICATION FOR XYLENE [C_8H_{10}], MEDICINAL.

Quality.

Xylene (xylol), for medicinal purposes, shall be a clear, colorless liquid.

Specific Gravity.

It shall have a specific gravity of approximately eight hundred-fifty thousandths (0.850) at fifteen (15) degrees Centigrade.

Boiling Point.

It shall boil between one hundred thirty-seven (137) degrees and one hundred forty (140) degrees Centigrade.

Methods of Tests.

All chemical and physical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Tests Waived.

When the total weight of xylene in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in bottles containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of xylene accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ZINC OXIDE [ZnO], MEDICINAL.

Quality.

Zinc oxide, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of zinc oxide in any order is less than one hundred (100) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, or in barrels, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of zinc oxide accepted, at the price bid per pound, delivered in the kind and size of container specified.

—

SPECIFICATION FOR ZINC OXIDE [ZnO], REAGENT.

Quality.

Zinc oxide, for analytical use, shall be a white, amorphous powder free from gritty particles and of the grade *as called for in the schedules.*

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

	Maximum Limit.	
Impurity	Dry Process.	Wet process.
Foreign metals	0.060 per cent.	0.010 per cent.
SO_2	0.060 per cent.	0.006 per cent.
Cl	0.040 per cent.	0.002 per cent.

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of zinc oxide in any order is less than seventy (70) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of zinc oxide accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ZINC STEARATE, MEDICINAL.

Quality.

Zinc stearate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of zinc stearate in any order is less than thirty (30) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one ounce or one pound, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of zinc stearate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ZINC SULPHATE [$ZnSO_4+7H_2O$], MEDICINAL.

Quality.

Zinc sulphate, for medicinal purposes, shall conform to the official requirements as determined by the tests of the latest revision of the United States Pharmacopoeia.

Tests Waived.

When the total weight of zinc sulphate in any order is less than two hundred fifty (250) pounds, tests may be waived.

Delivery.

It shall be delivered in cartons containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of zinc sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

SPECIFICATION FOR ZINC SULPHATE [$ZnSO_4+7H_2O$], REAGENT.

Quality.

Zinc sulphate, for analytical use, shall be colorless crystals.

Impurities.

It shall not contain impurities in excess of the limits shown in the following table:

Impurity.	Maximum Limit.
Free H_2SO_4	Nil
As	Nil
Foreign metals	0.005 per cent
Cl	0.003 per cent

It shall not contain any other impurity that will interfere with analytical work.

Methods of Tests.

All chemical tests shall be made in accordance with the Board of Estimate's Standard Methods of Tests.

Analysis on Label.

Each container shall bear the manufacturer's label showing an analysis of the material contained therein.

Tests Waived.

When the total weight of zinc sulphate in any order is less than one hundred twenty-five (125) pounds, tests may be waived.

Delivery.

It shall be delivered in the original bottles of the manufacturer with his labels thereon, containing either one pound or five pounds, *as called for in the schedules.* All containers shall become the property of the City of New York.

Payment.

Payment shall be made for the number of pounds net of zinc sulphate accepted, at the price bid per pound, delivered in the size of container specified.

—

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Board of Estimate and Apportionment; Bureau of Standards—Approval of Standard Specifications for Purchase of Forage (Cal. No. 18).

The Secretary presented the following report of the Committee on Standardization of Supplies, submitting for approval standard specifications for the purchase of Forage:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, March 23, 1915.

The Committee on Standardization of Supplies, Board of Estimate and Apportionment, The City of New York:

Sirs—The Bureau of Standards, Supplies Division, has prepared, and I desire to submit herewith, for your approval, proposed amended standard specifications for the purchase of forage to supersede standard specifications adopted by the Board of Estimate and Apportionment December 5, 1912.

In submitting these proposed amended standard specifications for your approval your attention is respectfully called to the fact that the changes therein proposed are rendered necessary by changes in market conditions, and that such changes as are proposed to be made have been submitted, in accordance with your instructions, to, and approved by, the supply officials of all city departments authorized to purchase this class of supplies. Respectfully,

GEORGE L. TIRRELL, Director, Bureau of Standards.

Attached specifications approved for adoption.

GEORGE McANENY, Acting Mayor; WM. A. PRENDERGAST, Comptroller; MARCUS M. MARKS, President, Borough of Manhattan, Committee on Standardization of Supplies.

The following was offered:

Whereas, a select committee of three, composed of the Mayor, the Comptroller and the President of the Borough of Manhattan, was appointed by the Board of Estimate and Apportionment for the promulgation of specifications, and for the purpose of standardizing supplies; and

Whereas, the said committee has approved, for adoption, specifications prepared by the Bureau of Standards, Supplies Division, to supersede specifications adopted by this Board on December 5, 1912, for the purchase of forage; be it

Resolved, That the amended specifications for the purchase of forage, hereto attached, be approved by this Board and adopted by the various departments, bureaus and offices under the city government authorized to purchase the said supplies.

—

THE CITY OF NEW YORK.

SPECIFICATION FOR BARLEY (FOR FORAGE).

Quality.

Barley (for forage) shall be "Extra No. 3 Western Barley," grading New York Produce Exchange. It shall be sound, plump, clean, free from other grains, and shall weigh not less than forty-four (44) pounds to the bushel, Winchester standard.

Samples.

The succesful bidder shall, after the award of the contract, submit to the Bureau of Audit of the Department of Finance a sample of at least two (2) quarts of the barley he proposes to furnish and, when required, shall also furnish a like sample to each and every point of delivery.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in the manner and in the kind of container, *as called for in the schedules.* Containers shall be returned to the vendor *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of hundred pounds accepted, at the price bid per hundred pounds.

—

SPECIFICATION FOR BRAN.

Quality.

Bran shall be of wheat bran of the highest grade, best quality, coarse, fresh and free from dirt and other impurities.

Samples.

The successful bidder shall, after the award of the contract, submit to the Bureau of Audit of the Department of Finance a sample of at least two (2) quarts of the bran he proposes to furnish and, when required, shall also furnish a like sample to each and every point of delivery.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in the manner and in the kind of container, *as called for in the schedules.* Containers shall be returned to the vendor *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of hundred pounds accepted, at the price bid per hundred pounds.

—

SPECIFICATION FOR CORN.

Quality.

Whole corn shall be "No. 2 yellow corn," grading, New York Produce Exchange. It shall be sound, dry, clean and contain not more than five (5) per cent. of white and red grains. It shall not be kiln-dried.

Samples.

The successful bidder shall, after the award of the contract, submit to the Bureau of Audit of the Department of Finance a sample of at least two (2) quarts of the whole corn he proposes to furnish, and, when required, shall also furnish a like sample to each and every point of delivery.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in the manner and in the kind of container, *as called for in the schedules.* Containers shall be returned to the vendor *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of hundred pounds accepted, at the price bid per hundred pounds.

—

SPECIFICATION FOR GROUND CORN.

Quality.

Ground corn shall be ground from "No. 2 yellow corn," grading, New York Produce Exchange. It shall be sound, dry, clean, and contain not more than five (5) per cent. of white or red grains. It shall not be kiln-dried and shall be without adulteration.

Samples.

The successful bidder shall, after the award of the contract, submit to the Bureau of Audit of the Department of Finance a sample of at least two (2) quarts of the ground corn he proposes to furnish, and, when required, shall also furnish a like sample to each and every point of delivery.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in the manner and in the kind of container, *as called for in the schedules.* Containers shall be returned to the vendor *unless otherwise stated in the schedules.*

Payment.

Payment shall be made for the number of hundred pounds accepted, at the price bid per hundred pounds.

—

SPECIFICATION FOR HAY.

Quality.

Hay shall be of the quality known to the trade as " Number Two" (No. 2), shall be seven-eighths (7/8) timothy, fair in color, clean, not more than one-eighth (1/8) of other grasses, sound and well baled.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in either large or small bales, unless the delivery of large or small bales is specifically *called for in the schedules.*

Payment.

Payment shall be made for the number of hundred pounds accepted, at the price bid per hundred pounds.

—

SPECIFICATION FOR OATMEAL (FOR FORAGE).

Quality.

Oatmeal (for forage) shall be of the highest quality.

Samples.

The successful bidder shall, after the award of the contract, submit to the Bureau of Audit of the Department of Finance a sample of at least two (2) quarts of the oatmeal he proposes to furnish and, when required, shall also furnish a like sample to each and every point of delivery.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in barrels weighing not less than two hundred pounds.

Payment.

Payment shall be made for the number of hundred pounds accepted, at the price bid per hundred pounds.

—

SPECIFICATION FOR OATS.

Kinds and Quality.

Oats shall be of the following kinds and quality, *as called for in the schedules.*

Clipped: Shall be number three (No. 3) white clipped oats, "A" grading, New York Produce Exchange, and in addition shall be well cleaned.

Unclipped: Shall be standard oats, grading New York Produce Exchange.

Crushed Clipped: Shall be crushed from number three (No. 3) white clipped oats, "A" grading, New York Produce Exchange, and in addition shall be well cleaned.

Crushed Unclipped: Shall be crushed from standard oats, grading New York Produce Exchange.

Samples and Certificates.

Bidders in submitting their bids shall submit therewith a sample of not less than two (2) quarts of oats in a suitable receptacle, in which shall be placed a certificate of the grading of said oats, issued by the New York Produce Exchange, said receptacle to be duly sealed by the chief inspector of said exchange. The sample submitted by the successful bidder shall be retained by the head of the department during the continuance of the contract. The successful bidder shall, after award of the contract, submit to the Bureau of Audit of the Department of Finance a sample of sufficient size and quantity similar to the sample submitted with his bid, and, when required, shall deliver similar samples to each and every point of delivery.

Weight.

The weight shall be net weight.

Delivery.

They shall be delivered in the manner and in the kind of container *as called for in the schedules.* Containers shall be returned to the vendor unless otherwise stated in the schedules.

Payment.

Payment shall be made for the number of hundred pounds of each kind of oats accepted, at the price bid per hundred pounds for each kind.

—

SPECIFICATION FOR OILMEAL.

Quality.

Oilmeal shall be made by what is known as the "old process" and shall be of the highest quality.

Samples.

The successful bidder shall, after the award of the contract, submit to the Bureau of Audit of the Department of Finance a sample of at least two (2) quarts of the oilmeal he proposes to furnish and, when required, shall also furnish a like sample to each and every point of delivery.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in the manner and in the kind of container *as called for in the schedules.* Containers shall be returned to the vendor unless otherwise stated in the schedules.

Payment.

Payment shall be made for the number of hundred pounds accepted, at the price bid per hundred pounds.

SPECIFICATION FOR SALT (FOR FORAGE).

Kinds and Quality.

Salt (for forage) shall be of first quality and unadulterated. It shall be coarse, fine or rock salt, *as called for in the schedules.* Rock salt shall be in large lumps.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in the manner and in the kind and size of container *as called for the in schedules.* Containers shall be returned to the vendor unless otherwise stated in the schedules.

Payment.

Payment shall be made for the number of hundred pounds of each kind of salt accepted, at the price bid per hundred pounds for each kind.

—

SPECIFICATION FOR STRAW.

Quality.

Straw shall be what is known to the trade as "No. 1, straight rye straw," clean, bright, long rye, sound and well baled.

Weight.

The weight shall be net weight.

Delivery.

It shall be delivered in large bales.

Payment.

Payment shall be made for the number of hundred pounds accepted, at the price bid per hundred pounds.

—

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

From the Department of Finance.

—

President, Borough of Manhattan—Modification of Schedule (Cal. No. 19).

The Secretary presented a communication dated May 12, 1915, from the President of the Borough of Manhattan, requesting modification of schedule for 1915; and the following report of the Comptroller recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 25, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—In a communication, dated May 12, 1915, from the President of the Borough of Manhattan, it is requested that additional funds be provided, by a modification, to repair cuts in pavements made by the Department of Water Supply, Gas and Electricity and to make repairs due to unknown causes on guaranteed pavements.

This request is made since the allowances provided in the budget have been exhausted and since the amount necessary for this work cannot be accurately determined in advance. Increases are requested for general repairs, as follows:

Due to unknown causes	$5,000 00
Due to cuts made by the Department of Water Supply, Gas and Electricity.	5,000 00

This modification is to be accomplished by reducing the item "Care of Highways, Pavements Other than Stone" of the same supporting schedule, Code 424.

It is recommended that this request be granted and the adoption of the attached resolution will provide for the modification of the code within the budget schedule.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the office of the President of the Borough of Manhattan, for the year 1915, as follows:

Contract or Open Order Service.

424	General Repairs—	
	Administration and Public Works	$400 00
	Care of Highways—	
	Roadways, Viaducts and Stone Pavements	1,400 00
	Pavements Other Than Stone—	
	General	60,000 00
	Due to Fire Burns	1,400 00
	Due to Unknown Causes	9,000 00
	Due to cuts made by the Department of Water Supply, Gas and Electricity	13,000 00
	Sidewalks in Front of City Property	200 00
	Care of Sewers	33,950 00
	Care of Public Buildings and Offices	36,000 00
	Care of Municipal Building	400 00
	Total, General Repairs	$155,750 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Water Supply, Gas and Electricity—Transfer of Appropriation and Modification of Schedules (Cal. No. 20).

The Secretary presented a communication dated May 11, 1915, from the Commissioner of Water Supply, Gas and Electricity, requesting a transfer within the appropriation for said Department for 1915; and the following report of the Comptroller recommending approval thereof and modification of schedules:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 25, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 11, 1915, the Commissioner of Water Supply, Gas and Electricity requested the transfer of $393 within the 1915 Brooklyn water revenue appropriations made to his department for the maintenance of the water supply system in that borough.

The Bureau of Contract Supervision reports thereon as follows:

"The requested transfer is:

FROM

S628 Supplies, Fuel Supplies, Water Supply, Water Revenue Allowance, 1915, 2206TW $393 00

TO

S658 Contract or Open Order Service, Transportation, Shoeing and Boarding Horses, including Veterinary Service, Water Supply, Water Revenue Allowance, 1915, 2284TW 393 00

"The 1915 budget allowance for account No. S-658 was 615, based upon 35 horses for 3 months, and 17 horses for 9 months, it being anticipated that the motorization of the repair yards would go into effect on April 1, 1915, and approximately one half of the horses could be dispensed with on that date.

"On account of delay in the obtaining of auto trucks, provided for in the budget recently, the entire force of horses will be required until June 1, 1915. In addition to this extra expense, the department has been obliged to purchase rubber and leather pads for which no provision was made. The expense for veterinary services, up to May 1, 1915, was $134.75 as against $99 estimated for the entire year, and shoeing has cost $2.50 per horse instead of $2 as estimated.

"Audited vouchers and outstanding liabilities as of record on May 24, 1915, aggregate $580.28 leaving an unencumbered book balance of $34.72.

"About $140 will be needed to provide for requirements until June 1, 1915, after which date 15 horses at an estimated cost of $4 per horse per month for shoeing, pads, sharpening shoes, veterinary services, etc., must be provided for, amounting to $420 or total additional requirements of $560. The $393 credit requested by the Commissioner appears, therefore, to be necessary."

In view of the foregoing I recommend the adoption of the attached resolutions granting the request and modifying the schedules affected. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves of the transfer of funds appropriated to the Department of Water Supply, Gas and Electricity for the maintenance, improvement and extension of the water supply system in the Borough of Brooklyn, during the year 1915, from the Brooklyn water revenues of said year, as follows:

FROM

S-628 Department of Water Supply, Gas and Electricity, Supplies, Fuel Supplies, Water Supply, Water Revenue Allowance, 1915, 2206TW $393 00

TO

S-658 Department of Water Supply, Gas and Electricity, Contract or Open Order Service, Transportation, Shoeing and Boarding Horses, including Veterinary Services, Water Supply, Water Revenue Allowance, 1915, 2284TW $393 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

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The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules as revised, for the Department of Water Supply, Gas and Electricity, for the year 1915, as follows:

Supplies, Fuel Supplies.

2206TW	Water Supply		$493,763 00
	Tax Levy Allowance	$144,176 00	
	Water Revenue Allowance	349,587 00	

Contract or Open Order Service, Transportation, Shoeing and Boarding Horses, Including Veterinary Services.

2284TW	Water Supply		$2,458 00
	Tax Levy Allowance	$1,450 00	
	Water Revenue Allowance	1,008 00	

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Education—Transfer of Appropriation and Modification of Schedule (Cal. No. 21).

The Secretary presented a resolution adopted on May 26, 1915, by the Board of Education, requesting a transfer within appropriations for 1914; and the following report of the Comptroller recommending approval thereof and modification of schedules:

City of New York, Board of Estimate and Apportionment, Municipal Building, Committee on Education, May 29, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 26, 1915, the Board of Education requested transfer of funds within the Special School Fund for the year 1914, as follows:

FROM

Supplies, Educational and Recreational Supplies.

887 Borough of Brooklyn $1,350 00

TO

Supplies, Educational and Recreational Supplies.

885 Borough of Manhattan $1,350 00

The proposed transfer, which is in effect a readjustment within the total appropriation for supplies for the several boroughs, is requested to meet payments which will be required on outstanding claims for domestic science bills and printing done by the Brooklyn Daily Eagle of cards used in classrooms.

The account to be debited appears as follows on the books of the Department of Finance:

Supplies, Educational and Recreational Supplies.

887	Borough of Brooklyn—		
	Budget appropriation as modified		$521,862 01
	Contract Reserve	$487,539 51	
	Open Market Order Reserve	385 47	
	Miscellaneous Claims Reserve	28,133 85	
			516,058 83
	Unencumbered Balance		$5,803 18

The balance in account 887 permits of the transfer of $1,350 being made.

The account to which it is proposed to transfer funds shows the following balance as per the books of the Department of Finance:

Supplies, Educational and Recreational Supplies.

885	Borough of Manhattan—		
	Budget appropriation as modified		$527,741 73
	Contract Reserve	$478,038 02	
	Open Market Order Reserve	200 29	
	Miscellaneous Claims Reserve	47,519 73	
			525,758 04
	Balance per Department of Finance books		$1,983 69
	Vouchers in transit (estimated)		3,000 00
	Deficit		$1,016 31

The attached resolutions granting the request are submitted for adoption.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 237 of the Greater New York Charter, hereby approves of the transfer of funds appropriated to the Department of Education for the year 1914, as follows:

FROM

Supplies, Educational and Recreational Supplies.

887 Borough of Brooklyn $1,350 00

TO

Supplies, Educational and Recreational Supplies.

885 Borough of Manhattan $1,350 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Department of Education for the year 1914, as follows:

Educational and Recreational Supplies.

885	Borough of Manhattan	$529,091 73
887	Borough of Brooklyn	520,512 01

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

President, Borough of Richmond—Issue of Special Revenue Bonds (Cal. No. 22).

The Secretary presented a report of the Comptroller recommending the issue of $3,100 special revenue bonds (subdivision 8, section 188 of the Charter), the proceeds to be used by the President of the Borough of Richmond for the purpose of reconstructing the sewer outlet at Taylor Street, Borough of Richmond.

The Bureau of Contract Supervision reports that the Taylor Street sewer, which drains a considerable area in West New Brighton, empties into the Kill Van Kull at low water level by crossing private property, under an easement. In 1913 the Staten

Island Railway Company, which owns the marginal property, filled in its land and the weight of fill and rolling stock damaged the sewer, so that the sewage does not flow out at the end but seeps into the ground and creates an unsanitary condition.

The Corporation Counsel has advised that the injury by the railway company was a trespass for which it may be held answerable in damages.

The Borough officials state that the railway company has refused to pay the cost of reconstruction and it is therefore proposed to pay the cost out of the proceeds of special revenue bonds and to recover the cost by suit against the company.

(On May 14, 1915 (No. 171B), the resolution of the Board of Aldermen, requesting the appropriation, was referred to the Comptroller.)

The matter was laid over one week (June 11, 1915), under Rule 19.

Department of Parks, Borough of Queens—Issue of Special Revenue Bonds (Cal. No. 23).

The Secretary presented a report of the Comptroller recommending an issue of $2,100 special revenue bonds (subdivision 8, section 188 of the Charter), the proceeds to be used by the Commissioner of Parks, Borough of Queens, for the purpose of repairing and improving the greenhouses in Forest Park.

The report states that it is necessary to provide an additional heating unit and some piping for the new and old buildings and to provide iron frames for glass roofs.

(On May 14, 1915 (No. 171A), the resolution of the Board of Aldermen, requesting the appropriation, was referred to the Comptroller.)

The matter was laid over one week (June 11, 1915), under Rule 19.

From Bureaus of the Board.

Bureau of Contract Supervision.

Board of Estimate and Apportionment; Bureau of Contract Supervision—Report of Work Done by the Central Testing Laboratory During March, 1915 (Cal. No. 24).

The Secretary presented the following report of the Bureau of Contract Supervision, which was ordered printed in the Minutes and filed:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 24, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—I am transmitting herewith a statement in tabulated form showing the work performed by the Central Testing Laboratory of the Bureau of Contract Supervision, Board of Estimate and Apportionment, in the month of March, 1915. There were 2,311 samples of supplies and materials for construction submitted during the month. Most of these samples were obtained by the regular corps of samplers attached to the Laboratory.

As an evidence of the necessity of a strict analysis of deliveries, I call your attention to the fact that more than 60 per cent. of the samples submitted failed to comply with the specifications—only 39.5 per cent. complied.

This means that the laboratory work guaranteed the City against delivery of inferior goods on almost two-thirds of the deliveries.

The value of this safeguard is well demonstrated in the case of paints, where the cost of the paint itself is only a small part of the cost of the painting contract. It costs just as much to apply bad paint, which will last only a few months, as to apply good paint, which will last for years. The use of poor paint means that all the money spent in the labor of painting is lost:

The research work carried on during the month consisted of the following:

Commissioner of Accounts—

Technical advice in drug investigation.

Correction, Department of—

Examination completed on samples of roofing tin.

Docks and Ferries, Department of—

Research being continued on samples of limestone for the purpose of determining their adaptability in concrete structures exposed to sea water, also study on anti-corrosive and anti-fouling paints for ship bottoms, and blown cotton-seed oil as a possible substitute for blown rape-seed oil for compounding marine engine oil.

Physical examination of granite cubes completed.

Estimate and Apportionment, Board of—

Bureau of Contract Supervision:

Examination completed on samples of ash, bricks and vulcanized rubber.

Bureau of Sewer Plan:

Examination of sample of linoleum completed.

Bureau of Standards:

For the purpose of preparing adequate specifications for various articles of supplies, a research on samples of a number of different materials was carried on, and methods of tests are being prepared.

Research work completed and reports made on samples of aluminum ware cotton yarn, domet flannel, unbleached muslin and other fabrics; lubricating oil, rubber sheeting and cotton sheeting.

The following classes of research work were taken up or carried on:

Absorbent and non-absorbent cottons, absorbent cotton lint, spool and crochet cotton, cotton jean, flax, graphite grease, artificial leather, leather belting, filter paper, adhesive plaster, rubber hospital supplies, sponges, steel surgical instruments, machine thread and window shade rollers.

Committee on Street Cleaning:

Research and gas analyses being continued for the abatement of the odor nuisance on Barren Island, and three preliminary reports made on same.

Finance, Department of—

Research and metallographic study being continued for the purpose of determining the causes of season cracking of bronzes.

Fire Department—

Study and examination of fireproofing materials, sewage, matches and inflammable liquids of all kinds.

Examination completed on horseshoe nails and rubber insulated wire.

Parks, Department of—

An investigation has been instituted (but temporarily discontinued) to determine the cause of the corrosion of boiler tubes in Power House No. 2, Botanical Garden, Borough of The Bronx, and a preliminary report has been made on the subject.

Examination completed on samples of solder.

Police Department—

Analyzing and furnishing expert testimony on samples of narcotics, medicine, alcoholic beverages, poisons and explosives taken from prisoners in connection with the Boylan anti-drug law.

Samples analyzed during the month of March are as follows:

Samples received	210
Samples on hand	2
Cases in various courts, defendants	225
Appearances in court as witnesses by chemists	497

Arrests.	Narcotics.	Medicine.	Alcoholic Beverages.	Poison	Explosive.
Special Squad No. 1	4	..	..	..	..
Special Squad No. 2	8	2	..	..	..
Special Squad No. 3	73	..	..	..	..
Borough Brooklyn Hdqtrs. Squad	1	..	..	..	..
Detective Bureau	14	2	..	3	6
1st Inspection Dist	19	..	1	..	..
2d Inspection Dist	21	..	..	..	..
3d Inspection Dist	5	..	..	..	..
4th Inspection Dist	2	..	..	..	..
5th Inspection Dist	16	..	6	..	..
6th Inspection Dist	8	..	..	..	..
7th Inspection Dist	7	..	..	..	..
8th Inspection Dist	2	..	..	..	..
10th Inspection Dist	2	..	..	..	..
11th Inspection Dist	5	..	..	..	..
12th Inspection Dist	3	..	..	..	..
14th Precinct	1	..	..	..	..
26th Precinct	1	..	..	..	..
31st Precinct	2	..	..	..	..
35th Precinct	1	..	..	..	..
39th Precinct	3	..	..	..	..
154th Precinct	1	..	..	..	..
158th Precinct	2	..	..	..	..
160th Precinct	2	..	..	..	..
162d Precinct	1	..	..	..	..
	204	4	7	3	6
Society Prevention Cruelty to Children	1	..	..	..	..
Total	205	4	7	3	6

Public Charities, Department of—

Examination completed on samples of wood alcohol, bronzing liquid, tin and silver plated ware.

Street Cleaning, Department of—

Examination completed on samples of horse blanket, brass nozzle, pipe reducer swivel and rubber hose.

Research and study of latent heat and other physical features of snow.

President, Borough of Manhattan—

Examination completed on samples of cast iron.

Examination continued on iron furnace slag to determine its feasibility as a substitute for broken stone for concrete.

President, Borough of The Bronx—

Study of tar road oils continued.

President, Berough of Brooklyn—

Examination of liquid soap dispenser.

President, Borough of Richmond—

Research being continued on samples of wood and granite paving blocks and on trap rock for macadamizing and concrete construction.

District Attorney, Bronx County—

Analyzing and furnishing expert testimony on medicine and poison in connection with the Boylan Anti-drug Law.

County Clerk, Queens—

Examination completed on samples of record paper.

For your information, a synopsis of the coal register for the month of March, 1915, is also respectfully enclosed, showing a total saving to the City of $8,684.57 during that month. Respectfully, TILDEN ADAMSON, Director.

(Synopsis of coal register referred to is on file.)

Public Service Commission for the First District; President, Borough of The Bronx—Alterations to Rapid Transit Station at East 174th Street and Southern Boulevard, The Bronx (Cal. No. 25).

The Secretary presented the following communication dated April 30, 1915, from the President of the Borough of The Bronx, transmitting for approval form of resolution for adoption by the Public Service Commission for the First District directing the Interborough Rapid Transit Company to make alterations to station at East 174th Street and Southern Boulevard, Borough of The Bronx; and the following report of the Bureau of Contract Supervision recommending approval thereof:

City of New York, President of the Borough of The Bronx, Third Avenue and 177th Street, April 30th, 1915.

Board of Estimate and Apportionment, Municipal Building, Manhattan:

Gentlemen—On January 22nd, 1915, your Board adopted a resolution approving the issue of Corporate Stock of The City of New York to an amount not exceeding $7,000 for the purpose of making alterations to the Rapid Transit Station at East 174th Street and Southern Boulevard, Borough of The Bronx, providing that no part of the proceeds of the Corporate Stock so authorized should be available until after your Board had approved forms of contract, plans and specifications. Pursuant to the provisions of said resolution, I am forwarding herewith, for the approval of your Board, a form of resolution for the adoption of the Public Service Commission directing the Interborough Rapid Transit Company, as assignee of the construction provisions of Contract No. 1, to do the work at an expense not to exceed $6,000, and to complete the same within a period of three months; the work to be done in accordance with the specifications of Contract No. 1, and with the drawings referred to in the resolution. I am also forwarding six drawings numbered 10530, 10531, 10532, 10533, 10534 and 10535A, prepared under the jurisdiction of the Public Service Commission and signed by Mr. Alfred Craven, Chief Engineer of said Commission, showing the work of alterations contemplated.

The method of carrying out this work is the same as that followed in the case of the alterations to the stairways, etc., at 207th Street and Tenth Avenue, in the Borough of Manhattan. From a careful study of the work proposed to be done and the difficulties under which it must be carried on, it is believed that the sum of $6,000 as the cost of the work is fair and reasonable.

In view of the delay that has already been occasioned in this matter and the necessity of promptly executing the work, prompt action of your Board in approving the papers herewith forwarded is respectfully requested. Yours very truly,

DOUGLAS MATHEWSON, President of the Borough of The Bronx.

Whereas, The Board of Estimate and Apportionment of The City of New York on October 19, 1911, adopted a resolution providing for changing the lines and grades of East 174th Street, from Southern Boulevard to West Farms Road, in the Borough of The Bronx, and the lines and grades of the intersecting streets affected thereby, and on April 17, 1913, adopted another resolution providing for the establishment of the width of the roadway of East 174th Street, from Southern Boulevard to Manor Avenue in the said Borough, at fifty (50) feet, and by reason of such changes in the lines and grades in said street as aforesaid changes are necessary in the stairway and supporting columns of the Manhattan-Bronx Rapid Transit Railroad at the northeast corner of East 174th Street and Southern Boulevard, constructed under the contract dated February 21, 1900, between The City of New York, acting by the Board of Rapid Transit Railroad Commissioners of The City of New York, and John B. McDonald, and known as Contract No. 1; and

Whereas, The said Board of Estimate and Apportionment on January 22, 1915, approved the issue of corporate stock of The City of New York to an amount not exceeding seven thousand dollars ($7,000), to provide means for making the changes necessary in the said stairway, and supporting columns to the structure of the said Manhattan-Bronx Rapid Transit Railroad at the northeast corner of East 174th Street and Southern Boulevard, which resolution was approved and concurred in by resolution adopted by the Board of Aldermen on January 26, 1915; and

Whereas, The President of the Borough of The Bronx has requested this Commission to issue the necessary orders to Interborough Rapid Transit Company as assignee of the construction provisions of said Contract No. 1, to make the changes in the structure of the said Manhattan-Bronx Rapid Transit Railroad at East 174th Street and Southern Boulevard necessitated by the changes in the lines and grades of East 174th Street, Borough of The Bronx, for the sum of six thousand dollars ($6,000), to be paid to said Interborough Rapid Transit Company out of the funds available therefor under the said resolution of the Board of Estimate and Apportionment and the said ordinance of the Board of Aldermen upon vouchers certified by this Commission and approved by the President of the Borough of The Bronx; and

Whereas, The six plans hereinafter mentioned showing the changes of work to be done, have been approved by the President of the Borough of The Bronx; now therefore be it

Resolved, That Interborough Rapid Transit Company, as assignee of the construction provisions of said Contract No. 1, be and it hereby is ordered (1) to remove the stairway to the Manhattan-Bronx Rapid Transit Railroad, from the roadway in East 174th Street to the sidewalk at the northeast corner of East 174th Street and Southern Boulevard, and (2) to remove the two supporting columns of the structure of the said Manhattan-Bronx Rapid Transit Railroad now located in the roadway of East 174th Street to the sidewalk at the northeast corner of East 174th Street and Southern Boulevard, all in accordance with the six drawings signed by the Chief Engineer of the Commission, and bearing the general title "State of New York, Public Service Commission for the First District, Engineering Department," one of such six drawings being marked "Contract No. 1, 174th Street Station Structural Plans, General Plan of Proposed Changes Due to Widening of 174th Street," dated March

19th, 1914, and numbered File No. 1, Drg. No. 10530; another of said six drawings being marked "Contract No. 1, 174th Street Station Structural Plans, Shop Details of Members for Supporting Track Structure Due to Widening of 174th Street," undated and numbered File No. 1, Drg. No. 10531; the third of said six drawings being marked "Contract No. 1, 174th Street Station Structural Plans Shop Details of Reinforcing Members & Alterations to Track Structure Due to Widening of 174th Street," dated March 19th, 1914, and numbered File No. 1, Drg. No. 10532; the fourth of said six drawings being marked "Contract No. 1, 174th Street Station Structural Plans, Shop Details of Girders, Columns, etc., for Supporting Station House & Stairs, due to Widening of 174th Street," dated March 19th, 1914, and numbered File No. 1 Drg. 10533; the fifth of said drawings being marked "Contract No. 1, 174th Street Station Structural Plans, Reconstruction of N. E. Stairway, Due to Widening of 174th Street," dated March 19th, 1914, and numbered File No. 1, Drg. No. 10534; and the sixth of said drawings being marked "Contract No. 1, 174th Street Station, Structural Plans Sections A-A, B-B & Change in Foundation of Column 308A, Due to Widening of 174th St.," dated March 19th, 1914, and numbered File No. 1, Drg. No. 10535A, provided, however, that this order shall be subject to the following terms and conditions:

(1) The said Interborough Rapid Transit Company shall do such work in accordance with such drawings and said Contract No. 1, and the specifications forming a part of such contract, together with all work of constructing or reconstructing surface or subsurface structures that may be interfered with during the progress of the work and all incidental work of whatsoever character that may be rendered necessary in constructing all new or reconstructed work at the northeast corner of East 174th Street and Southern Boulevard and all station finish work in connection therewith, so that all the new or reconstructed work shall harmonize with the station of which it is to form a part, and shall do all such work in accordance with the directions and subject to the approval of the Chief Engineer of the Commission, at an expense of six thousand dollars ($6,000), to be paid by the City in the manner hereinafter provided, and shall complete said work within a period of three (3) months from the date of the issuance of a permit to do such work, unless such time shall be extended in writing by the Commission.

(2) The aforesaid sum of six thousand dollars ($6,000) shall be paid to the Interborough Rapid Transit Company only out of the said funds available therefor under the said resolution of the Board of Estimate and Apportionment of January 22, 1915, and the said ordinance of the Board of Aldermen of January 26, 1915, upon vouchers certified by this Commission and approved by the President of the Borough of The Bronx, but the said amount of six thousand dollars ($6,000) shall not be included in the cost of said railroad in determining the amount of rental to be paid under said Contract No. 1.

(3) This order shall take effect if and when and only when it shall have been accepted in writing by said Interborough Rapid Transit Company and consented to by the sureties upon its Continuing Bond, as provided for in the agreement dated May 21st 1914, providing for the cancellation of the construction bond deposited by its assignor.

BY THE COMMISSION,

(L. S.) .....Secretary.

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 27, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 4, 1915, you refered to the Bureau of Contract Supervision a communication dated April 30, 1915, from the President of the Borough of The Bronx requesting approval of a form of resolution for the adoption by the Public Service Commission for the First District directing the Interborough Rapid Transit Company, as assignee of the construction provisions of Contract No. 1, to make certain alterations to the rapid transit station at East 174th street and Southern Boulevard, Borough of The Bronx; the work to be done at a cost not to exceed six thousand dollars ($6,000), within a period of three months, and in accordance with the specifications of Contract No. 1 and with the drawings referred to in the resolution.

On January 22, 1915, you adopted a resolution approving the issue of corporate stock to an amount not exceeding $7,000 for this purpose, with the provision that the proceeds should not be available until you approved the form of contract, plans and specifications.

The terms of the contract, as set forth in the aforesaid resolution, together with the specifications and plans, are satisfactory.

I therefore recommend the adoption of the attached resolution granting the requested approval.

Respectfully, TILDEN ADAMSON, Director.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 11, 1912, hereby approves the form of resolution submitted by the President of the Borough of The Bronx, and which is to be adopted by the Public Service Commission for the First District, directing the Interborough Rapid Transit Company, as assignee of the construction provisions of Rapid Transit Contract No. 1, to make certain alterations to the Rapid Transit Railroad Station at East 174th street and Southern Boulevard, Borough of The Bronx, together with the plans and specifications referred to in said resolution, and the estimate of cost in the sum of six thousand dollars ($6,000), said cost to be charged against the corporate stock fund entitled "C. P. X.—1A, Alterations to Rapid Transit Station at East 174th Street and Southern Boulevard."

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

From City, Borough and County Officials.

Law Department—Suggestion for Title Insurance (Cal. No. 26).

(On May 14, 1915 (Cal. No. 106) the communication in this matter was referred to the Corporation Counsel for a report as to the advisability of following the course suggested therein.)

The Secretary presented a communication, dated May 7, 1915, from the President of the United Real Estate Owners' Association, suggesting that where real estate is taken by the City, whether in condemnation proceedings or otherwise, a title insurance policy be exacted; and the following report thereon by the Corporation Counsel, which was ordered printed in the minutes and filed:

City of New York, Law Department, Office of the Corporation Counsel, New York, May 28, 1915.

Board of Estimate and Apportionment:

Gentlemen—I am in receipt of a communication dated May 14, 1915, signed by James Mathews, Assistant Secretary, transmitting a copy of a communication to the Board by Stewart Browne, President of the United Real Estate Owners' Association, under date of May 7, 1915, reading as follows:

"Please place the following on the Board of Estimate calendar for Friday, May 14th:

"'That where real estate is taken by the City, whether in Condemnation Proceedings or otherwise, a Title Insurance policy be exacted; this is for the financial protection of the City and also because it will shorten the proceedings and so reduce the cost thereof one-half.

"'That when the City does receive any Title Insurance Company policy, it will not accept any in which there are any exceptions as to title; such is required by all private corporations and owners, and there is no reason why the City should not do likewise.'

"The above is suggested because I understand that the City in all private purchases of real estate require a Title Insurance policy, but that in Condemnation proceedings, such is not required."

Mr. Mathews states that at the meeting of the Board held on May 14, 1915, said communication was presented and referred to me for report as to the advisability of following the course therein suggested.

Complying with your request I beg to advise you as follows:

1. With very few exceptions, other than cessions for street purposes, whenever the City acquires real property by private purchase it causes the title thereto to be examined and insured by a title insurance company. Unless expressly authorized by the Board of Estimate and Apportionment in its resolution authorizing the acquisition, title is not taken subject to any covenants or conditions, and in no case is title taken where the report of the title insurance company shows exceptions or objections in any way impeaching the title.

2. I am not aware of any authority vested in the Corporation Counsel to require a property owner whose property is taken by the City under the right of eminent domain to furnish to the City a policy of title insurance.

Respectfully yours, FRANK L. POLK, Corporation Counsel.

The Secretary was directed to send a copy of the report to the President of the United Real Estate Owners' Association.

Long Island Railroad Company; Brooklyn Heights Railroad Company, for Itself and as Lessee of the Brooklyn City Railroad Company; Brooklyn, Queens County and Suburban Railroad Company (Cal. No. 27).

The elimination of grade crossings of the Long Island Railroad Company and changes in the location of the street surface tracks of the Brooklyn City Railroad Company, lessor of the Brooklyn Heights Railroad Company and the Brooklyn, Queens County and Suburban Railroad Company at Fresh Pond Road and Metropolitan Avenue, Bushwick Junction, Borough of Queens.

At the meeting of May 14, 1915 (Cal. No. 109), a communication was received from the Public Service Commission for the First District transmitting certified copy of resolution adopted by said Commission on May 6, 1915, approving plans for track changes at the crossings of the Long Island Railroad at Fresh Pond Road and Metropolitan Avenue, Bushwick Junction, Borough of Queens, and requesting this Board to direct the Brooklyn Heights Railroad Company, lessee of the Brooklyn City Railroad Company, and the Brooklyn, Queens County and Suburban Railroad Company to make certain changes in their street surface railroad tracks at this point, which communication was referred to the Bureau of Franchises.

The Secretary presented the following:

The City of New York, Law Department, Office of the Corporation Counsel, New York, May 26, 1915.

Board of Estimate and Apportionment, City of New York:

Sirs—I am in receipt of a communication from you dated May 18, 1915, signed Harry P. Nichols, Engineer, Chief of Bureau, in which you request to be advised:

"First—In a grade crossing elimination under the Railroad Law, is it required that a street surface railway operating upon the street crossing the railroad, relocate, maintain and take care of its tracks and other property, at its own expense, during such elimination?

"Second—If in your opinion the street surface railway is liable for such expense, should the Public Service Commission, under whose authority the elimination is made, serve order on the street railway, or is it the duty of the Board of Estimate and Apportionment?

"Third—If in your opinion the Company is not liable for such expense, can the same be properly charged to the grade elimination?"

It appears from this communication that on May 6, 1915, the Public Service Commission adopted under Section 91 of the Railroad Law a resolution approving plans for track changes in this matter. This improvement was initiated by the Public Service Commission and was not begun upon the request of the municipality. Under this elimination the railroad tracks are to be depressed about 16.6 feet and Fresh Pond Road and Metropolitan Avenue are to be raised 5.4 feet.

The tracks of the Brooklyn Heights Railroad Company, Lessee of the Brooklyn City Railroad Company, on Fresh Pond Road, and of the Brooklyn, Queens County and Suburban Railroad Company on Metropolitan Avenue must be changed in the first place temporarily to permit the Long Island Railroad Company to physically carry out this elimination and after that permanently by relaying on the new grade.

The Railroad Law as amended by Chapter 378 of the Laws of 1914 provides in part:

"§ 95. The public service commission may, in the absence of any application therefor, when in its opinion public safety requires an alteration in an existing grade crossing or a change in any existing structure above or below grade, institute proceedings on its own motion for an alteration in such grade crossing or structure, upon such notice as it shall deem reasonable, of not less than ten days however, to the railroad company, the municipal corporation and the person or persons interested, and proceedings shall be conducted as provided in section ninety-one of this chapter. * * * *"

"§ 91. * * * * * * * Upon such notice and after a hearing the public service commission shall determine what alterations or changes, if any, shall be made. * * *."

"§ 94. * * * * * * * In carrying out the provisions of sections eighty-nine, ninety and ninety-one of this chapter the work shall be done by the railroad corporation or corporations affected thereby, subject to the supervision and approval of the public service commission, and in all cases, except where the entire expense is paid by the railroad corporation, the expense of construction shall be paid primarily by the railroad company, and the expense of acquiring additional lands, rights or easements shall be paid primarily by the municipal corporation having jurisdiction over the street, avenue, highway or road or new portion or additional width of such street, avenue, highway or road or, in case of a state or county highway, upon the order of the state commission of highways out of the moneys available therefor. * * *"

Your report shows that there are no express provisions in the charters or local consents of the street railroad companies concerned which would make it incumbent upon them to change their tracks at their own expense.

If the City were making these changes in the grade of Fresh Pond Road and Metropolitan Avenue, it would have the implied power to compel those street railroad companies to conform to the new grade (*People ex rel. City of Olean vs. Western New York and Pa. Traction Company,* Court of Appeals, April 13, 1915; N. Y. L. J., April 29, 1915). Even in a case such as this where the Public Service Commission directs that the grade be changed and works out the change itself, the City may have the power to direct street railroad companies to make the necessary changes in their tracks at their own expense, and I, therefore, enclose a proposed resolution for your Board notifying these companies to make the necessary changes in their tracks on Fresh Pond Road and Metropolitan Avenue.

The proposed changes of grade are part of these grade separation proceedings and have been brough about through the initiative and under the direction of the Public Service Commission, First District, the work of elimination being done under the statute by the Long Island Railroad Company.

I am, therefore, of opinion that the Public Service Commission has an implied power, incident to its power to eliminate the grade of a street in a grade elimination case, to compel street railroad companies to temporarily remove their tracks during the elimination work and replace them on the new grade, and have written the public Service Commission suggesting that they also direct the street railroad companies to make the desired changes. Respectfully yours,

FRANK L. POLK, Corporation Counsel.

The following was offered:

Whereas, on December 8, 1911, the Public Service Commission for the First District adopted a final order and determination in a proceeding as to alterations and changes in grade crossings at Fresh Pond Road and Metropolitan Avenue at Bushwick Junction (Case No. 1261), which order was duly amended by an order made November 21, 1913; and

Whereas, the Long Island Railroad Company, on April 29, 1915, transmitted to the Public Service Commission for the First District four certain blueprint plans showing four moves to be made in the elimination proceedings which required track changes in tracks of the Brooklyn, Queens County and Suburban Railroad Company, and in tracks operated by the Brooklyn Heights Railroad Company, as lessee of the Brooklyn City Railroad Company, on Fresh Pond Road and Metropolitan Avenue; and

Whereas, it appears that owing to changes being made in the grades of the Long Island Railroad Company and in Fresh Pond Road and Metropolitan Avenue for the purpose of eliminating said grade crossings, changes will have to be made in the location of street surface tracks of the Brooklyn, Queens County and Suburban Railroad Company and of the Brooklyn Heights Railroad Company, leased from the Brooklyn City Railroad Company, while the work is under way; and

Whereas, sufficient funds have been appropriated by the State and City to cover one-half the cost of this grade separation, and the Long Island Railroad Company is now engaged in the elimination of this grade crossing; and

Whereas, the said four blueprint plans submitted by the Long Island Railroad Company to the Public Service Commission for the First District, entitled "Moves Nos. 1, 2, 3 and 4 proposed track changes on B. R. T. tracks at Bushwick Junction,

dated April 26, 1915," were approved by the said Commission by order dated May 6, 1915,

Resolved, That the Brooklyn Heights Railroad Company, lessee of the Brooklyn City Railroad Company and the Brooklyn City Railroad Company and the Brooklyn, Queens County and Suburban Railroad Company, be and they hereby are directed forthwith to make the necessary changes in their tracks on Fresh Pond Road and Metropolitan Avenue as may be required by the Public Service Commission for the First District, in the elimination of grade crossings of the Long Island Railroad at said streets (Case No. 1261).

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Borough of The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

COMMUNICATIONS, PETITIONS, ETC.

From Citizens and Public Bodies.

Fifth Avenue Coach Company (Cal. No. 28).

The Secretary presented a communication dated May 27, 1915, from E. R. L. Gould, President, City and Suburban Homes Company, submitting petition signed by the officers, directors and stockholders of said Company or of the Junior League, requesting that, pending the establishment of the 79th Street Crosstown Route, Borough of Manhattan, arrangement be made with the Fifth Avenue Coach Company, under a temporary revocable agreement, to extend its existing route on East 72d Street, which now terminates at First Avenue, along 72d Street to Avenue A, and thence along Avenue A to 79th Street, or possibly down 79th Street to Exterior Street, one block further east.

Which was referred to the Committee on Franchises.

Board of Estimate and Apportionment—Suggested Appropriation for Special Educational Service (Cal. No. 29).

The Secretary presented a communication dated May 29, 1915, from the Corresponding Secretary, Central Federated Union of Greater New York and Vicinity, suggesting that the Board consider an appropriation in the budget for the year 1916, for the purpose of enabling foreigners in the City of New York to be taught the English language.

Which was referred to the Committee on Tax Budget.

Board of Estimate and Apportionment—Suggestion Relative to Retirement of Employees (Cal No. 30).

The Secretary presented a communication dated May 28, 1915, from the President of the United Real Estate Owners' Association, suggesting that all pensions voted by the Board of Estimate and Apportionment hereafter, pursuant to chapter 669 of the Laws of 1911, as amended, contain as part of the resolution that such pension, as voted, shall cease if the pensioner accept any other remunerative employment whatsoever.

Which was referred to the Committee on Salaries and Grades.

President, Borough of Manhattan—Suggestion Relative to Use of Telephone in City Hall (Cal. No. 31).

The Secretary presented a communication dated May 28, 1915, from the President of the United Real Estate Owners' Association, suggesting that as the public frequenting the City Hall use free of charge the telephones located outside of the Aldermanic Chamber, that the said telephones be changed into the "nickel in the slot 'phones."

Which was refererd to the President of the Borough of Manhattan.

Department of Docks and Ferries—Request for Discontinuance of Proceedings for Acquisition of Lands in the Vicinity of Gowanus Bay for the Purpose of a Freight Terminal (Cal. No. 32).

The Secretary presented a communication dated May 28, 1915, from the President of the United Real Estate Owners' Association, requesting the Board to instruct the Corporation Counsel to discontinue forthwith the condemnation proceedings for the acquisition of title to certain uplands, filled in lands, lands under water, etc., situate on Otsego Street and other streets in the vicinity of Gowanus Bay, pursuant to Chapter 776 of the Laws of 1911, for the purposes of a freight terminal.

Mr. Stewart Browne appeared in support of the request.

The communication was ordered filed.

Direct State Tax—Opposition Thereto (Cal. No. 33).

The Secretary presented a communication dated June 1, 1915, from the President, United Real Estate Owners' Association, suggesting "that the Board of Estimate and Apportionment, through its proper officer, notify the State authorities that in its judgment the Direct State Tax of $19,000,000, as levied, is unconstitutional * * * and that said State authorities be requested to bring mandamus proceedings against the City to test the constitutionality of said direct tax levy."

Mr. Stewart Browne appeared in support of the suggestion.

The communication was ordered filed.

Public Service Commission for the First District—Additional Issue of Corporate Stock for Construction of Section 2, Route 5, of the Lexington Avenue Rapid Transit Railroad (Cal. No. 34).

The Secretary presented a communication dated May 28, 1915, from the Public Service Commission, requesting an additional issue of $244,000 corporate stock to meet the requirements of the contract between the City of New York and the Degnon Contracting Company for the construction of Section No. 2 of Route No. 5 of the Lexington Avenue Rapid Transit Railroad. The increase in cost of this section is due in part to the cost of protecting and supporting the railroad structure at Park Place and Broadway where the Park Place-William and Clark Street Route will pass under the Broadway subway.

(On February 1, 1912, the Board consented to the award of this contract and authorized an issue of $2,355,828.50 corporate stock to meet the requirements thereof.)

The matter was refered to the Comptroller.

Public Service Commission for the First District—Additional Issue of Corporate Stock for Construction of Section 9, Route 5, of the Lexington Avenue Rapid Transit Railroad (Cal. No. 35).

The Secretary presented a communication dated May 28, 1915, from the Public Service Commission, requesting an additional issue of $413,000 corporate stock to meet the requirements of the contract between the City of New York and Patrick McGovern & Co. for the construction of section No. 9, of Route No. 5, of the Lexington Avenue Rapid Transit Railroad. The increased cost of this section is due principally to poor rock found in excavating which made it necessary to increase the quantity of underpinning and to modify the design of the tunnel structure.

(On February 1, 1912, the Board of Estimate consented to the award of this contract and authorized an issue of $1,961,997 corporate stock to meet the requirements thereof.)

The matter was referred to the Comptroller.

Public Service Commission for the First District—Additional Issue of Corporate Stock for Construction of Section 15, Route 5, of the Lexington Avenue Rapid Transit Railroad (Cal. No. 36).

The Secretary presented a communication dated May 28, 1915, from the Public Service Commission requesting an additional issue of $400,000 corporate stock to meet the requirements of the contract with Hagerty-Drummond Company (assigned to Rodgers & Hagerty, Inc.) for the construction of Section No. 15, of Route No. 5 of the Lexington Avenue Rapid Transit Railroad, made necessary by the change in the present loop connection with the existing subway at 149th Street and Mott Avenue and the increase in quantities of excavation, concrete, steel and underpinning.

(On October 26, 1911, the Board approved of the award of this contract and authorized an issue of $3,820,129.75 corporate stock to meet the requirements thereof.)

The matter was referred to the Comptroller.

Public Service Commission for the First District—Additional Issue of Corporate Stock for Construction of Section 2, Routes 4 and 36, of the Broadway-Fourth Avenue Subway (Cal. No. 37).

The Secretary presented a communication dated May 28, 1915, from the Public Service Commission, requesting an additional issue of $75,000 corporate stock to meet the requirements of the contract with the United States Realty and Improvement Company for the construction of Section No. 2 of Routes Nos. 4 and 36 of the Broadway-Fourth Avenue line, made necessary by the proposed construction of a special floor which the Hudson and Manhattan Railway Company may use as a roof for its structure when the extension to 42d Street is constructed.

(On July 9, 1914 (Cal. No. 64), the Board consented to the award of the above contract and authorized an issue of $2,657,004.70 corporate stock to meet the requirements thereof.)

The matter was referred to the Comptroller.

Public Service Commission for the First District—Extension of Time for Construction of Bridge Across Tracks of New York Central Railroad Company at Exterior Street, Borough of The Bronx (Cal. No. 38).

The Secretary presented a communication dated May 28, 1915, from the Secretary of the Public Service Commission transmitting certified copy of resolution adopted by said Commission on May 28, 1915, extending to June 1, 1915, the time for the completion of the construction of the bridge across the tracks of the New York Central Railroad Company at Exterior Street, The Bronx.

Which was referred to the Chief Engineer of the Board for examination and report.

Public Service Commission for the First District—Changes in Tracks, Etc., of New York Central Railroad Company and the New York, New Haven and Hartford Railroad Company at East 241st and 242nd Streets, Borough of The Bronx (Cal. No. 39).

The Secretary presented a communication dated May 28, 1915, from the Secretary of the Public Service Commission, transmitting certified copy of order adopted by the Commission at its meeting held May 28, 1915, directing certain changes to be made at or near the crossings at East 241st street and East 242nd street, with the tracks of the New York, New Haven and Hartford Railroad Company and the New York and Harlem Railroad Company (leased to and operated by the New York Central Railroad Company).

Which was referred to the President of the Borough of The Bronx, the Corporation Counsel and the Chief Engineer of the Board for consideration and report as to the desirability of urging a modification or rescindment of the action of the Public Service Commission.

Department of Health—Request for Reconsideration of Approval of Form of Contract for Architectural Service (Cal. No. 40).

The Secretary presented a communication dated May 28, 1915, from John V. Van Pelt, architect, requesting the Board to reconsider its resolution of March 5, 1915 (Cal. No. 72), approving of the final contract with him as architect for the preparation of plans and supervising the construction work of a school at the Tuberculosis Sanatorium at Otisville, New York, under the jurisdiction of the Department of Health, on the basis of 5 per cent. of the estimated cost of the work, less the amount paid for preliminary services, and that the contract be approved on the basis of 6 per cent., with traveling and incidental expenses.

Mr. Owen Brainard, representing John V. Van Pelt appeared and addressed the Board.

The matter was referred to the Bureau of Contract Supervision.

From City, Borough and County Officials.

New York Railways; Municipal Ferry to Staten Island (Cal. No. 41).

In the matter of the agreement by which passengers may ride upon the Municipal Ferry to Staten Island and upon cars of the New York Railways Company terminating at South Ferry for a single fare of five cents.

By resolution adopted July 2, 1914 (Cal. No. 116), this Board approved said agreement and authorized the Commissioner of Docks to execute same.

The Secretary presented the following:

The City of New York, Department of Docks and Ferries, Office of the Commissioner, Pier A, North River, June 1, 1915.

Hon. GEORGE MCANENY, *Acting Mayor, Chairman of the Board of Estimate and Apportionment:*

Dear Sir—On September 15, 1914, pursuant to direction of the Board of Estimate and Apportionment, an agreement with the New York Railways Company was put into effect providing for a joint rate of five cents between the Municipal Ferry operating to Staten Island and the surface lines of the New York Railways Company reaching the Whitehall terminal in Manhattan. The contract provides that:

> "Either party may terminate this agreement at the expiration of six months from the day mentioned aforesaid as the date of the commencement hereof by giving to the other of the parties hereto three months' previous written notice of its intention so to do; after the expiration of said period of six months, then this agreement may be terminated by either party at the end of any six calendar months from the day mentioned aforesaid as the date of the commencement hereof by giving to the other of the parties hereto three months' previous written notice of its intention so to do. The party of the first part (The City of New York) shall first obtain the consent and approval of the Board of Estimate and Apportionment to the termination of such agreement before serving such notice on the party of the second part."

The first six months of operation under this agreement ended on March fifteenth. If the City is to terminate the contract on September fifteenth the consent of the Board of Estimate and Apportionment to the serving of notice by the Commissioner of Docks must be given prior to June fifteenth.

In view of the experimental character of the transfer contract and the provisions for termination referred to, I deem it my duty to report to the Board of Estimate and Apportionment the results of the first six months of operation under this contract in order that if it is desired to terminate the contract the Board may have before it all of the facts affecting its judgment.

The desirability of continuing the transfer arrangement depends partly upon the financial results shown from operation to date, *but more especially upon the effect which it has upon the expeditious and convenient handling of passenger traffic between Richmond and Manhattan.* From the standpoint of the people of the Borough of Richmond the second consideration is certainly the more important. It has been the object of this Department to provide the best and most convenient ferry service for the accommodation of what may be called the routine travel between the two boroughs. Owing to the cheapness and length of the sail it has been found that the ferry has attracted during the summer months a very heavy excursion traffic, a large percentage of which makes the round trip without leaving the boats. From the standpoint of the people of Richmond, this excursion traffic is undesirable; it results in the overcrowding of the boats and occasionally delays the service. The Superintendent of Ferries reports to me that during the summer season of 1914 he operated every available boat on Saturdays, Sundays and holidays, and that on all trips between 3 p. m. and 11 p. m. the boats were loaded to capacity.

It has been found that the transfer arrangement is apparently not serving a serious need of any large percentage of the regular traffic between Manhattan and Richmond. The number of transfers issued by the New York Railways Company and collected by the Municipal Ferry ranged from a daily minimum average of 3,352 during the month of December, 1914, to a maximum average of 4,425 for the first half of the month of May, 1915. The transfers issued by the Municipal Ferry and collected by the New York Railways Company varied from a minimum average of 3,886 during the month of December, 1914, to a maximum average of 5,093 for the first half of May, 1915. It has been observed, moreover, that, despite the fact that there is considerably less "commuting" traffic on Saturdays, Sundays and holidays than on other days, that nevertheless the transfer privilege was made use of much more on those days than during days of normal traffic. During the entire period during which the agreement has been in operation the transfers collected by the New York Railways Company on clear Sundays have varied from a minimum of 5,823 per day to a maximum of 6,284 per day, and the number of transfers issued by the New York Railways Company and collected by the Municipal Ferry has varied from a minimum of 4,650 per day to a maximum of 6,279 per day. The number of transfers collected by

both parties to the agreement on clear Sundays during this period has exceeded by a thousand a day the number of transfers collected on days of normal traffic.

Owing to the large number of passengers remaining on the boats instead of landing at the St. George terminal it has been found inexpedient to sell transfers through the Boat Collectors, and the rule has been made compelling passengers desiring transfers to go ashore and purchase them at the regular ticket offices. This rule was necessary to avoid loss of revenue and serious delays. It has not worked very satisfactorily, owing to the unwillingness of passengers taking the trip simply for the sail to land to purchase their return transportation ticket. This difficulty has increased with the approach of summer until it has become a problem of no small importance. It is, of course, extremely desirable to minimize any possible friction between the employes of the municipal ferry and the traveling public, and yet it seems to be unwise from an administrative standpoint to permit the sale of transfers on the boats.

In order to determine accurately to what extent the transfer privileges served the reasonable needs of persons using the Municipal Ferry, I have had two carefully checked counts made by the Confidential Inspectors of the Department, one in November, 1914, and the second in February of the present year. These reports are transmitted herewith for the information of the Board. They show that approximately 94 per cent. of the fares collected by the street car company at South Ferry were transfers from the municipal ferry. Of persons boarding the cars at the ferry approximately 70 per cent. left the cars before reaching Chambers Street. The count in the opposite direction showed approximately the same result, slightly under 70 per cent. of the traffic paying fares and receiving transfers at points south of Chambers Street. It is apparent, therefore, that the transfer privilege serves an insignificant need of persons living in the Borough of Richmond, but is largely availed of for excursion purposes.

The net loss to the City for the first six months during which the transfer agreement was in force amounted to $42,016.68. From September 15, 1914, to May 14, 1915, the loss amounted to $58,202.67.

I have received protests against the discontinuance of the transfer agreement from the following individuals and civic organizations:

Edward P. Doyle, First Vice-President, Realty Notice Corporation; Edward C. Bridgman, President, Staten Island Savings Bank; West New Brighton Board of Trade (Inc.); Staten Island Chamber of Commerce; Staten Island Civic League; Farrar Men's League.

I am transmitting herewith copies of these protests for the information of the Board.

I respectfully request that the matter be given prompt consideration and that I be instructed as to the wishes of the Board of Estimate and Apportionment with reference to the continuance of the transfer agreement. Respectfully yours,

R. A. C. SMITH, Commissioner of Docks.

Which was referred to the Committee on Transit.

42nd Street, Between Roosevelt Avenue and Astoria Avenue, Borough of Queens —Reducing Width (Cal. No. 42).

The Secretary presented a communication, dated May 28, 1915, from the Acting President, Borough of Queens, transmitting copy of a petition to the Newtown Local Board of Improvements for the amendment of the Final Map of the Borough of Queens by reducing the width of 42d street, between Roosevelt avenue and Astoria avenue, shown thereon as 60 feet, to 50 feet, the width upon the ground; also a copy of the report of the Topographical Bureau relative thereto.

The matter was referred to the Chief Engineer for report.

President, Borough of Brooklyn—Authority to Charge the Cost of Repaving 18th Street from 11th Avenue to Vanderbilt Avenue, Borough of Brooklyn, to the Repaving Fund for 1914 (Cal. No. 43).

The Secretary presented a communication, dated May 27, 1915, from the Acting President of the Borough of Brooklyn, requesting authority to charge the cost of repaving 18th street from 11th avenue to Vanderbilt avenue, estimated at $10,600, to the repaving fund for 1914.

Which was referred to the Committee on Corporate Stock Budget.

President, Borough of The Bronx—Issue of Corporate Stock (Cal. No. 44).

The Secretary presented a communication, dated May 25, 1915, from the President of the Borough of The Bronx, requesting an issue of $230,000 corporate stock for the purpose of providing means to meet the cost and expense of constructing a transverse road in connection with the Grand Boulevard and Concourse at 161st street, in the Borough of The Bronx.

Which was referred to the Committee on Corporate Stock Budget.

President, Borough of Richmond—Alterations to Borough Hall (Cal. No. 45).

The Secretary presented a communication, dated May 25, 1915, from the President of the Borough of Richmond, requesting authority to charge the cost of constructing a skylight on the Borough Hall in order to make available for drafting purposes the room on the top floor of said building, estimated to cost $500, and also the cost of laying drainage pipes and to make necessary changes for the purpose of draining the basement of said building, estimated to cost $650, to the fund entitled "CPR-1, Construction and Equipment of the Borough Building."

Which was referred to the Committee on Corporate Stock Budget.

Department of Water Supply, Gas and Electricity—Issue of Corporate Stock to Carry Out Agreement With Germania-American Improvement Company (Cal. No. 46).

The Secretary presented a communication, dated May 26, 1915, from the Commissioner of Water Supply, Gas and Electricity, submitting for approval proposed agreement with the German-American Improvement Company for the sale, to the City, for the sum of $45,000, of that portion of the water plant of said company in the Borough of Brooklyn, also requesting that the necessary funds be appropriated therefor.

Which was referred to the Committee on Corporate Stock Budget.

Department of Education—Issue of Corporate Stock (Cal. No. 47).

The Secretary presented a communication, dated May 27, 1915, from the Secretary of the Board of Education, transmitting certified copy of resolution adopted by said Board on May 26, 1915, requesting an issue of $20,000 corporate stock to provide means to defray the cost of surveys, test borings and draughting supplies, etc., incidental to the construction and equipment of new school buildings.

Which was referred to the Committee on Corporate Stock Budget.

Department of Public Charities—Establishment of Schedule for the Equipment of the Greenpoint Hospital (Cal. No. 48).

The Secretary presented two communications dated May 27 and May 28, 1915, respectively, from the Commissioner of Public Charities, requesting the release of the $50 000 appropriated in the Budget for the year 1915, for the equipment of the Greenpoint Hospital, and submitting detailed schedule showing the proposed segregation of said amount.

Which were referred to the Committee on Tax Budget.

Department of Water Supply, Gas and Electricity—Retirement of John Cartmell, Stoker (Cal. No. 49).

The Secretary presented a communication dated May 27, 1915, from the Assistant Secretary to the Mayor, transmitting communication dated May 26, 1915, from the Commissioner of Water Supply, Gas and Electricity, requesting the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of John Cartmell, a Stoker in said Department.

Which was referred to the Committee on Salaries and Grades.

Department of Water Supply, Gas and Electricity—Retirement of George C. Burnham, Oiler (Cal. No. 50).

The Secretary presented a communication dated May 27, 1915, from the Assistant Secretary to the Mayor, transmitting communication, dated May 25, 1915, from the Commissioner of Water Supply, Gas and Electricity, requesting the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of George C. Burnham, an Oiler in said Department.

Which was referred to the Committee on Salaries and Grades.

Department of Water Supply, Gas and Electricity—Retirement of Abraham Dennison, Laborer (Cal. No. 51).

The Secretary presented a communication dated May 27, 1915, from the Assistant Secretary to the Mayor, transmitting communication dated May 26, 1915, from the Commissioner of Water Supply, Gas and Electricity, requesting the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of Abraham Dennison, a Laborer in said Department.

Which was referred to the Committee on Salaries and Grades.

Department of Education—Fixing Compensation of Janitors of Various Public Schools (Cal. No. 52).

The Secretary presented a communication from the Secretary of the Board of Education, transmitting certified copies of six resolutions adopted by said Board on May 26, 1915, as follows:

A—Requesting that the compensation of the Janitor-Engineer in Public School No. 12, Borough of Richmond, be fixed at $1,380 per annum.

B—Requesting that the compensation of the Janitor of Public School No. 17, Borough of Queens, for the care of the portable building, known as Annex No. 2, to said school, be reduced from $180 to $60 per annum, to take effect January 11, 1915, the building being no longer used for school purposes.

C—Requesting that the Janitor of the Bay Ridge High School be reimbursed in the sum of $330.99 for expenses incurred by him in cleaning the school building from February 8 to March 8, 1915, when he was directed to engage help on the basis of an annual salary of $7,128 per annum.

D—Requesting the fixing of the compensation of the Janitors of Public Schools No. 53, Manhattan, and 62, Queens.

E—Requesting the fixing of the compensation of the Janitor of Public School No. 73, Brooklyn, for the care of the athletic field, adjoining said school, at the rate of $25 per month, taking effect May 17, 1915.

F—Requesting the fixing of the compensation of the Janitor of Public School No. 152, Brooklyn, for the care of two portable buildings, at the rate of $40 per month.

Which were referred to the Committee on Salaries and Grades.

Board of Estimate and Apportionment; Bureau of Standards—Permission to Make and Use Patented Machine (Cal. No. 53).

The Secretary presented the following communication:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, May 29, 1915.

Board of Estimate and Apportionment, Municipal Building, New York City:

Gentlemen—Herewith is transmitted a report dated September 24, 1914, by Mr. Hugh M. Foster, Examining Inspector of Purchase and Supplies, of the Supplies Division of the Bureau of Standards, to Mr. W. Richmond Smith, Chief of the Supplies Division, submitting a blue print of a machine invented by Mr. Foster, for the better inspection of fresh fruits and vegetables, grains and other produce. This machine is designed to minimize the time and labor necessary to inspect fresh fruits and vegetables, grains and other produce, and to afford the knowledge of a greater portion of each delivery, and to prevent fraud by facilitating proper inspection of all such supplies delivered instead of allowing only those of good quality to be placed where they will be subjected to inspection. Mr. Foster has applied for letters patent and intends to put the device on the market.

On January 25th the Chief of the Supplies Division transmitted Mr. Foster's report to me with the suggestion that the machine be adopted. Under date of January 28th I wrote His Honor the Mayor, submitting to him Mr. Foster's offer to permit the institutions of the departments of the City to use the machine. I suggested that if favorably reported upon the Commissioner of Charities or the Commissioner of Correction be directed to have such a machine built by workmen in their departments. Under date of February 23d the machine was favorably reported upon by Mr. W. A. Bassett, of the Bureau of Municipal Research, and on March 5, 1915, the matter was referred to the Commissioner of Bridges by Mr. Paul C. Wilson, Assistant Secretary of the Mayor. In a memorandum of March 19th to the Commissioner of Bridges, Mr. Edward A. Byrne, Engineer of the Department of Bridges, estimates the cost of materials at $25, and the total cost including labor to be $80 for the first one, or $60 to $65 for additional machines.

The property of the City's accepting Mr. Foster's permission to manufacture these machines for its own use was referred to the Corporation Counsel, who drew up an instrument for Mr. Foster's signature, giving that right to the City of New York. By signing this instrument Mr. Foster has given such right to the City to manufacture as many of such machines as may be necessary for its use, without any payment of fee, compensation or royalty to him. The Commissioner of the Department of Correction has expressed a willingness to have this machine built by workmen at the reformatory on Hart's Island.

I, therefore, respectfully beg to recommend that the gift by Mr. Foster to the City of the permission to make and use such machines be accepted by the Board of Estimate and Apportionment on behalf of the City of New York.

Yours respectfully, GEORGE L. TIRRELL, Director.

The following resolution was offered:

Whereas, Hugh M. Foster, an Inspector of Purchase and Supplies in the Bureau of Standards of the Board of Estimate and Apportionment of The City of New York, has, by an instrument duly executed by him under date of May 13, 1915, granted to The City of New York and its various departments and bureaus for the purpose of the City's business, the free and unlimited privilege and permission to manufacture, or cause to be manufactured, for the use of said City at any time, as many of the machines described in patent application serial No. 868,027, filed on the 22d day of October, 1914, as may be desired, without payment of any fee, compensation or royalty to said Hugh M. Foster, said right, license and privilege to be irrevocable; therefore be it

Resolved, That the Board of Estimate and Apportionment, on behalf of The City of New York, hereby accepts the foregoing described privilege and expresses to Mr. Foster its thanks for the gift.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Board of Estimate and Apportionment; Committee on the City Plan—Establishment of Grades of Positions (Cal. No. 54).

The Secretary presented the following resolution of the Board of Aldermen, which was ordered printed in the minutes and filed:

In the Board of Aldermen.

Whereas, The Board of Estimate and Apportionment adopted the following resolution at a stated meeting held March 26, 1915:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of Section 56 of the Greater New York Charter, hereby recommends to the Board of Aldermen the establishment, in the office of the Board of Estimate and Apportionment, of the grades of positions, in addition to those heretofore established, as follows:

Title.	Rate Per Annum.
Consultant on City Planning	$5,000 00
Investigator on City Planning	3,000 00
Expert on Vital Statistics	1,500 00
	Rate Per Diem.
Transit Expert	$10 00

Resolved, That the Board of Aldermen hereby approves of and concurs in the above resolution, with the words "for one incumbent only in each grade" inserted therein, and as so amended fixes the salary of said position as set forth therein.

Adopted by the Board of Aldermen May 4, 1915, a majority of all the members elected voting in favor thereof.

Received from his Honor, the Mayor, May 25, 1915, without his approval or disapproval thereof; therefore, as provided in section 40 of the Greater New York Charter, the same took effect as if he had approved it.

P. J. SCULLY, Clerk.

Duane Street Between Rose and William Streets, Borough of Manhattan—Changing Roadway and Sidewalk Widths (Cal. No. 55).

The Secretary presented a communication dated May 26, 1915, from the President of the Borough of Manhattan, requesting the Board to change the roadway and sidewalk widths of Duane street between Rose and William streets.

Which was referred to the Chief Engineer for report.

MATTERS LAID OVER FROM PREVIOUS MEETINGS.

Board of Estimate and Apportionment—Amendment of Rules of Procedure for the Conduct of the Business of the Board (Cal. No. 56).

The Secretary presented a report of the Committee on the Organization of the Board recommending an amendment of the Rules of Procedure for the Conduct of the Business of the Board, adopted April 24, 1914, for the purpose of defining clearly the duties and functions of the Bureau of Contract Supervision and the Bureau of Standards.

This amendment is submitted for the consideration of the Board, in the belief that it was the intention, in the establishment of the Bureaus referred to, to make the Bureau of Standards the reporting agency of the Board on personal service, and the Bureau of Contract Supervision the reporting agency upon physical construction work. The proposed amendment will assign to each Bureau the work it is best fitted to do, but will not give any power to prescribe work methods but only to report and recommend to the Board.

(On March 5, 12, 19 and 26, on April 1, 9, 16, 23 and 30, and on May 7, 14, 21 and 28, 1915, the matter was laid over; on the latter date (Cal. No. 167) until this meeting.)

The matter was laid over for one week (June 11, 1915).

Board of Estimate and Apportionment—Suggestions for Economies in Tax Budget (Cal. No. 57).

The Secretary presented a report of the Committee on Tax Budget that the Board of Estimate and Apportionment request the heads of Bureaus, Departments or Officers of the City and County government to fill no vacancies now existing or occuring during the year 1915 without the approval of the Board of Estimate and Apportionment, except in the uniformed forces of the Departments of Police, Fire and Street Cleaning, positions in the labor class, the custodial forces in penal and correctional institutions, and positions involving the actual operation of machinery and mechanical plants where emergency conditions exist.

The report also explains the meaning and operation of Resolution Second "C" of the terms and conditions of the tax budget for 1915, and recommends the designation of the Committee on Salaries and Grades as the authorized representative of the Board.

(On February 19, 1915 (Cal. No. 23), a report of the Committee on Tax Budget relative to the adoption of a policy for filling vacancies was presented to the Board and referred back to the Committee.)

(On March 12, 19 and 26, 1915 (Cal. No. 73), this matter was laid over for one week.)

The Secretary presented a communication dated March 23, 1915, from the Commissioner of Public Charities, referring to the above report.

The Commissioner states that in his department they have no surplus of employees and that it will be a hardship if they are not permitted to fill all vacancies occurring, but in the event of a resolution of the general character proposed being adopted, it is suggested that Nurses, Doctors and Social Investigators of the Department of Public Charities be excepted from the provisions thereof.

(On April 1, 9, 16, 23 and 30, and on May 7, 14, 21 and 28, 1915, the matter was laid over; on the latter date (Cal. No. 168) until this meeting.)

The matter was laid over for one week (June 11, 1915).

President, Borough of Manhattan—Issue of Special Revenue Bonds for Free Floating Baths (Cal. No. 58).

The Secretary presented a joint report of the Committee on Tax Budget and the Commissioner of Health on the question of the disposition of the floating baths under the jurisdiction of the President of the Borough of Manhattan and the request of the President of the Borough of Manhattan for a special revenue bond appropriation to provide for the operation, maintenance and storage of eight free floating baths.

The report states that the interior baths are more advantageously located and easier of access for the people in the districts affected than the floating baths and the summary of daily attendance and capacity in August, the heaviest month, indicates that the City furnishes sufficient bathing accommodations with its interior baths. The Committee also states that it is a question worthy of consideration whether the City ought not to charge a small fee for the use of these interior baths.

It is recommended that the request for the issue of special revenue bonds be denied, with the understanding that it may be renewed after the collection of a fee for the use of floating baths has been duly authorized.

(On February 26, 1915 (Cal. No. 121D), a resolution of the Board of Aldermen requesting an issue of $33,868 special revenue bonds for the operation, maintenance and storage of eight free floating baths under the jurisdiction of the President of the Borough of Manhattan was referred to the Comptroller.)

(On April 23, 1915 (Cal. No. 90), a communication from the President of the Borough of Manhattan, stating that the sum of $11,860 for alterations and repairs of baths Nos. 12 and 13 could be deducted from the amount requested, was presented to the Board, and this communication, together with the matter (Cal. No. 83), of the disposition of the floating baths under the jurisdiction of the Borough President was referred to the Committee on Tax Budget and to the Commissioner of Health.)

(On April 30, 1915 (No. 194), the matter of these floating baths was ordered on the Calendar for May 7, 1915.)

(On May 7, 14 and 28, 1915, the matter was laid over; on the latter date (Cal. No. 169), until this meeting.)

The Secretary also presented communications from Hon. Joseph Barondess, Charles E. Raynor, and others, urging the appropriation.

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On June 1, 1915, the President of the Borough of Manhattan transmitted to the Secretary of the Board a request for the transfer of $5,000 within Schedule No. 424, to the schedule line "Care of Buildings and Offices." for the purpose of placing the floating baths in commission. Under Rule 40 the Secretary forwarded this request to the Comptroller for report.

Mr. Lewis Phillips and Mr. J. Gordon appeared in favor of the request.

Mr. T. D. Gleason, representing the Harlem Bridge Betterment League, appeared and urged that provision be made for the construction of more interior baths.

The President of the Borough of Manhattan withdrew his request for the issue of special revenue bonds; and offered in place thereof a resolution authorizing the transfer of $5,000, as requested in his communication of June 1, 1915.

The resolution received the following vote:

Affirmative—The Acting Mayor, the Acting President of the Board of Aldermen, the Presidents of the Boroughs of Manhattan, The Bronx and Queens and the Acting President of the Borough of Richmond—11.

Negative—The Comptroller and the Acting President of the Borough of Brooklyn—5.

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The Acting Mayor announced that the resolution failed of adoption, not having received twelve affirmative votes, as required under the terms and conditions governing the Budget for 1915.

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The matter of the transfer of funds was then ordered on the Calendar for the next meeting (June 11, 1915).

Grandview Avenue, from Metropolitan Avenue to Stanhope Street, and from Linden Street to Forest Avenue, Borough of Queens—Assessment in Proceeding for Acquiring Title (Cal. No. 59).

The Secretary presented a report of the Committee on Assessments in the matter of the petitions for relief from assessment in the proceeding for acquiring title to Grandview avenue from Metropolitan avenue to Stanhope street, and from Linden street to Forest avenue, Borough of Queens.

This application was referred to a special committee of the Board on May 22, 1913, and subsequently on January 30, 1914, under a reassignment of matters pending in Committees of the Board was referred to the Committee on Assessments.

A communication from the Jamaica Citizens' Association, recommending the assumption by the City of assessments for street improvements which would ordinarily fall upon cemetery lands, was referred to the Committee on February 6, 1914 (Cal. No. 4.)

A large proportion of the frontage on this street is devoted to cemetery use, the immunity of which from assessment resulted in placing what was claimed to be an undue burden upon the remaining property, and for this reason request was made for placing a portion of the assessment upon several of the boroughs or upon the entire city.

The Committee reports that inasmuch as the total expense involved is less than $50,000, it is not practicable to apply the borough assessment provisions of the Charter, and that irrespective of this condition such relief would not appear justifiable inasmuch as the benefit is purely local and that in cases of this character it is to be presumed that property owners are aware of the burdens which they incur in purchasing property in the vicinity of a cemetery.

The report recommends that the petitions be denied, and that similar action be taken concerning the recommendation of the Jamaica Citizens' Association to the effect that assessments for street improvements which would ordinarily fall upon cemetery lands be assumed by The City of New York.

(On February 19, 1915 (Cal. No. 22), the matter was laid over until May 7, 1915, and the Corporation Counsel was requested to suspend action in the opening proceeding until the Board had disposed of the applications for relief from assessment.)

(On May 7, 1915 (Cal. No. 109), there was presented a communication from Corporation Counsel dated March 22, 1915, advising that the motion to confirm the report of the Commissioners in the opening proceeding was adjourned at a Special Term, Kings County, on February 26, 1915, until May 14, 1915.)

(The matter was thereupon laid over until June 4, 1915; and the Secretary was directed to notify the Corporation Counsel of this action in order that a further adjournment of the motion for confirmation of the Commissioners' report might be requested.)

The Secretary presented a communication dated June 2, 1915, from Mr. John Blatz, on behalf of various property owners, requesting relief from assessment in this proceeding.

Messrs. Herman Gohlinghorst and Philip B. LaRoche appeared in support of the petitions.

The matter was laid over for two weeks (June 18, 1915), and referred to the Chief Engineer for report upon what terms, if any, the City should discontinue the proceeding.

Board of Education—Issue of Corporate Stock (Cal. No. 60).

(On July 30, 1914 (Cal. No. 338), the report of the Committee on Corporate Stock Budget on the request of the Board of Education for an appropriation of $275,000 corporate stock for the erection of a new building for the Manhattan Trade School for Girls, and recommending an issue of $205,049.14, was presented to the Board and laid over.)

(On August 27, September 21 and September 25 this report was again presented and laid over.)

(On October 2, 1914 (Cal. No. 60) the matter was referred back to the Committee on Corporate Stock Budget.)

(On April 23, 1915 (Cal No. 84), a communication from the Board of Education, renewing request for an issue of $275,000 corporate stock, was referred to said Committee.)

(On May 28, 1915 (Cal. No. 24), this matter was laid over for one week, under Rule 19.)

The Secretary presented a communication, dated April 15, 1915, from the Secretary, Department of Education, transmitting a certified copy of a resolution adopted by the Board of Education on April 14, 1915, renewing request of July 8, 1914, for an appropriation of $275,000 corporate stock for the erection of the new building; and the following report of the Committee on Corporate Stock Budget recommending approval of the request:

City of New York, Board of Estimate and Apportionment, Bureau of Contract Supervision, Municipal Building, May 10, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On April 23, 1915, you referred to the Corporate Stock Budget Committee a communication from the Board of Education, dated April 15, 1915, transmitting a certified copy of a resolution adopted by said Board on April 14, 1915, calling attention to their request of July 8, 1914, for an appropriation of $275,000 corporate stock for the erection of a new building for the Manhattan Trade School for Girls, and asking that affirmative action be taken by your Board upon this request at an early date.

The request of the Board of Education, dated July 8, 1914, was reported to the Board of Estimate and Apportionment by the Corporate Stock Budget Committee on July 30, 1914 (Calendar No. 338), and laid over; on August 27 it was again laid over. On October 2, 1914 (Calendar No. 60), the matter was referred back to the Corporate Stock Budget Committee.

The Board of Education calls attention to the clause contained in the lease of the premises, Nos. 209-221 East 23d Street, now occupied by the Trade School, which stipulates that the lease may be renewed for one year from September 1, 1915, at an annual rental of $5,881, provided that on September 1, 1915, the Board of Education shall have let a contract for the erection of a building for the Trade School. This provision of the lease was insisted upon by the lessors when the lease was renewed on September 1, 1914, and they insist that its provisions be carried out to make the renewal privilege operative.

A site has been selected for the new building at the northwest corner of 22d Street and Lexington Avenue. This site has a frontage of 99 feet 4½ inches on Lexington Avenue and 75 feet on 22d Street. Title to the last of the three plots forming this site was vested in the City on April 30, 1915, so that the entire site is now available.

There is much work to be done in the preparation of the plans, specifications and contract for advertising. This work and the obtaining of the necessary approvals by the various City departments having jurisdiction will require considerable time. The appropriation is immediately necessary to proceed with the work in order that the terms of the lease may be complied with, and the continuance of the school assured.

It is proposed to erect a ten-story building, with salesroom, restaurant and kitchen on the first floor; auditorium and business offices on the second; classrooms for academic instruction on the third; and shops of various kinds on the fourth, fifth, sixth, seventh and eighth floors. One of these floors will be devoted to making clothing. It will provide a cutting room, a sorting room, rooms for operating sewing and embroidery machines, and a small room for the head of the department. Approximately one-half of a floor will be given to straw machine operating and French edge classes, and the same space to instruction in the pasting trades, including lampshade making, sample mounting and novelty case making. One entire floor will be required for advanced and elementary dressmaking classes, including fitting rooms and a small office, and another for undergarment making and the making of children's dresses. Classes in millinery and costume designing will occupy another floor. The ninth floor will be devoted to classes in design and to a lunch room for pupils, the restaurant on the first floor being for the preparation and sale of cooked food and the teaching of the management of lunch and tea rooms in connection therewith. The tenth floor will have two gymnasiums, a teachers' rest room, offices for the directors of physical training and rooms for physical examinations.

We recommend the adoption of the attached resolution authorizing $275,000 corporate stock for the construction and equipment of a new building for the Manhattan Trade School for Girls on the site on the northwesterly corner of 22d Street and Lexington Avenue, Borough of Manhattan. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President Board of Aldermen; LEWIS H. POUNDS, President, Borough of Brooklyn; ....., President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 169 of the Greater New York Charter, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding two hundred and seventy-five thousand dollars ($275,000), to provide means for the construction and equipment of a building for the Manhattan Trade School for Girls on the site on the northwesterly corner of 22d Street and Lexington Avenue, Borough of Manhattan, under the jurisdiction of the Department of Education, and the Comptroller is hereby authorized to issue said corporate stock of The City of New York in

the manner provided by section 169 of the Greater New York Charter, maturing not more than fifteen (15) years after date of issue, the proceeds thereof to the amount of the par value of the stock to be applied to the purpose aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Department of Education, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule, which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the President of the Borough of Queens and the Acting President of the Borough of Richmond—15.

Negative—The President of the Borough of The Bronx—1.

Department of Docks and Ferries—Issue of Corporate Stock (Cal. No. 61).

(On April 16, 1915 (Cal. No. 141), a communication from the Commissioner of Docks requesting an issue of $6,750 corporate stock for dredging, in connection with the Riverside Drive Improvement, was referred to the Committee on Corporate Stock Budget, as was also on May 7, 1915 (No. 119), a resolution of the Commissioners of the Sinking Fund, recommending the issue.)

(On May 28, 1915 (Cal. No. 25), this matter was laid over for one week under Rule 19.)

The Secretary presented a communication, dated April 9, 1915, from the Commissioner of Docks, requesting an issue of Corporate Stock in the sum of $6,750, to provide for dredging in connection with the Riverside Drive improvement between West 87th street and West 93rd street, North River; and the following report of the Committee on Corporate Stock Budget, recommending approval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 11, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On April 9, 1915, the Commissioner of Docks requested $6,750 corporate stock for dredging in connection with the Riverside Drive improvement between West 87th Street and West 93d Street, North River.

The request was approved by the Commissioners of the Sinking Fund on May 5, 1915.

The contract for the construction of the inshore portion of the new 1,000 foot pier at the foot of West 46th Street provides that 77,950 tons of the rock to be excavated shall be delivered and deposited at the site of the Riverside Park wall beween 88th and 95th Streets, North River.

The mud is to be dredged along the line of the proposed wall to provide a suitable base for the material to be delivered so as to prevent it from slipping into the river.

The estimate of cost is based on 45,000 cubic yards of dredging at 15 cents per cubic yard.

We recommend the adoption of the attached resolution granting the request.

Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; E. W. VOORHIES, Acting President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 180 of the Greater New York Charter, as amended and the recommendation of the Commissioners of the Sinking Fund by resolution adopted on May 5, 1915, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding six thousand seven hundred and fifty dollars ($6,750), to be used by the Department of Docks and Ferries for dredging the site of the proposed Riverside Park wall between 87th and 93d Streets, North River, Borough of Manhattan, and the Comptroller is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds to the amount of the par value thereof to be applied to the purposes aforesaid.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Docks and Ferries—Issue of Corporate Stock (Cal. No. 62).

(On February 11, 1915 (Cal. No. 54), the request of the Commissioner of Docks in this matter was referred to the Committee on Corporate Stock Budget.)

(On May 28, 1915 (Cal. Nos. 26 and 141), the report of the Committee on Corporate Stock Budget and the resolution of the Commissioners of the Sinking Fund in this matter were presented and laid over for one week, under Rule 19).

The Secretary presented a communication, dated February 4, 1915, from the Commissioner of Docks, requesting an issue of corporate stock in the sum of $975,549.99, the proceeds whereof to be used for the payment of salaries and wages and the purchase of supplies and materials.

The Secretary also presented a communication from the Secretary, Commissioners of the Sinking Fund, transmitting resolution adopted by the Commission on May 19, 1915, recommending an issue of $265,045.79 corporate stock for the purpose herein; and the following report of the Committee on Corporate Stock Budget:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 20, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On February 4, 1915, the Commissioner of Docks requested $975,549.99 corporate stock, the proceeds whereof to be used for the payment of salaries and wages and the purchase of supplies and materials. In connection therewith we report as follows:

The Sinking Fund Commission, in response to the above request, on May 19, 1915, recommended to your Board an authorization of $265,045.79 in corporate stock for—

"The payment of salaries and wages, the purchase of materials and supplies and for riprap and dredging, in connection with and for the construction of piers, bulkheads, wharves and other construction work properly chargeable to corporate stock, the said amount to be apportioned as follows:

Bureau of Engineering—		
Salaries, Code 2804 TC		$83,690 08
Salaries, Code 2803 TC		9,981 30
Wages, Code 2820 C		76,665 03
Dredging		57,249 67
		$227,586 08
Bureau of Supplies—		
Salaries, Code 2802 TC	$13,863 77	
Wages, Code 2811 TC	23,596 94	
		$37,459 71
		$265,045 79

—said fund to be disbursed in accordance with schedules to be approved by the Board of Estimate and Apportionment."

The amount requested was based on estimates of cost by engineers of the Department of Docks and Ferries for the construction of new piers, bulkheads, wharves and other improvements chargeable to corporate stock, for the year 1915.

The details of the request submitted are as follows:

Salaries and Wages.

Bureau of Engineering—		
Salaries Code 2804 TC		$119,930 00
Salaries Code 2803 TC, Chief Engineer and Deputy		12,800 00
		$132,730 00
Wages 2820 C (as per schedule attached)		555,367 25
		$[illegible]8,097 25
Bureau of Supplies—		
Salaries Code 2802 TC	$19,912 50	
Wages Code 2811 TC	32,450 44	$52,362 94
Total estimated amount required for salaries and wages for 1915		$740,460 19
Less amount in Code CDD26-A, January 1, 1915		149,964 03
Authorization of corporate stock required for Salaries and Wages for 1915		$590,496 10

Materials and Supplies.

Bureau of Engineering—		
Dredging Code CDD31 (as per schedule attached)		$246,635 00
Materials, Supplies, etc., CDD27		369,100 67
Riprap 50428 cu. yds. CDD27		35,299 60
Hired Tugs (150 hours)		900 00
Horses and Carts (600 days)		1,950 00
Carfare		2,200 00
Petty Cash		300 00
		$656,385 27
Less Unencumbered Balances—		
CDD27-a, Riprap	$5,000 00	
CDD18, Dredging	22,785 07	
CDD31, Dredging	.....	
CDD27, Materials and Supplies	159,505 32	
Value of Materials and Supplies on hand January 1, 1915	84,041 05	$271,331 44
		$385,053 83
Total authorization required for Salaries and Wages and Materials and Supplies for the year 1915		$975,549 99

The Commissioner submitted together with his request a wage schedule for the Engineering Bureau for 1915, and asked that the same be approved, stating that the tax budget for the year 1915 scheduled the engineering salary codes of the department, but provided for a schedule for wages of the construction force in Code No. 2820-C only sufficient to carry the department force until February 11th.

The schedule submitted was approved by the Board from time to time to provide for the force until May 20, 1915. Since January 1, 1915, the wage force has been paid from corporate stock funds available in the Department.

The amounts requested for salaries are based on the payroll of the present force which it is considered necessary to continue during the year.

The amounts requested for wages and materials and supplies are based on proposed new improvements and work under way as set forth in a statement transmitted with the request.

The estimates of cost, the necessity for and the urgency of the items of this statement and the dock and other improvements proposed therein have been examined into by the Bureau of Contract Supervision. As a result of such examination the items of work upon the statement submitted may be segregated as follows:

SCHEDULE A.

Work Completed Since Request was Made.

	Labor.	Material.	Riprap.	Dredging.	Totals.
West 155th St. Pier, Completion	$2,863 00	.....	.....	.....	$2,863 00
East 10th St. Pier, Fendering	599 50	.....	.....	.....	599 50
Broadway, Brooklyn Coal Pocket	1,728 00	.....	.....	.....	1,728 00
	$5,190 50	.....	.....	.....	$5,190 50

SCHEDULE B.

Improvements for Which Specific Funds are Now Available or May Be Made Available by Amendment of Existing Authorizations.

	Labor.	Material.	Riprap.	Dredging.	Totals.
Dover St. Bulkhead Wall	$11,030 50	$9,902 47	.....	.....	$20,952 97
Pier 21, East River	22,797 00	32,854 00	.....	.....	55,651 00
Removal of old Piers 27-28, East River	6,970 50	.....	.....	.....	6,970 50
East 16th St., Bulkhead Wall	13,618 00	13,792 20	.....	.....	27,410 20
Corlears Hook, Park Wall	21,867 00	20,015 00	.....	.....	41,882 00
Mill Basin, Bulkhead and Platform	6,204 50	8,897 60	.....	.....	15,102 10
Mill Basin, Sheet Pile Bulkhead	8,617 00	10,720 00	.....	.....	19,337 00
Mill Basin, Pumping	.....	.....	.....	$42,560 00	42,560 00
	$91,104 50	$96,181 27	.....	$42,560 00	$229,845 77

SCHEDULE C.

Improvements Which, in the Opinion of Your Committee, are not Urgent and, Therefore, May Be Deferred.

	Labor.	Material.	Riprap.	Dredging.	Totals.
Blackwell Section, Bulkhead Wall.	$38,280 90	$14,099 55	$655 90	$59,400 00	$112,436 35
E. 120th St. Section, Bulkhead Wall.	60,944 40	20,812 95	1,190 00	15,000 00	97,947 33
Wil'msburg Bridge, Bulkhead Wall.	7,192 50	6,552 05	.....	10,500 00	24,244 55
Wil'msburg Bridge, Platform	12,116 00	16,040 00	.....	.....	28,156 00
W. 208th St. Pier, Harlem River	11,580 00	16,404 00	.....	16,000 00	43,984 00
Pier 33, North River	6,075 00	9,761 00	4,200 00	.....	20,036 00
39th St. Ferry Terminal, Brooklyn	10,287 00	.....	.....	.....	10,287 00
Approach to West 42nd St. Pier, North River	2,486 00	459 60	.....	.....	2,945 60
Extension to East 100th St. Pier	4,682 50	6,568 50	.....	.....	11,251 00
E. 106th St. Pier, Harlem River	8,970 00	12,316 00	.....	.....	21,286 00
E. 134th St. Crib Bulkh'd, Bronx	3,792 00	3,212 00	1,610 00	750 00	9,364 00
E. 134th St. Pier, new, Bronx	5,239 50	8,006 80	12,600 00	.....	25,846 30
Tiffany St. Pier Extension, Bronx.	5,375 50	8,064 00	.....	.....	13,439 50
Queensboro' Bridge, Crib	4,342 50	3,346 00	1,540 00	750 00	9,978 50
Queensboro' Bridge, Crib Paving	656 50	197 40	.....	.....	853 90
Paving Roadway, 36th St., Br'klyn	5,970 00	.....	.....	.....	5,970 00
	$187,990 30	$125,839 83	$21,795 90	$102,400 00	$438,026 03

SCHEDULE D.
Improvements Which Should Be Completed During 1915.

	Labor.	Material.	Riprap.	Dredging.	Totals.
Yorkville section bulkhead wall	$69,040 50	$30,545 19	$1,400 00	.....	$100,985 69
Dover Street bulkhead wall, riprap and dredging	.....	.....	1,540 00	$3,875 00	5,415 00
Pier 21, E. R., riprap and dredging	.....	.....	2,590 00	19,500 00	22,090 00
Jefferson section, bulkhead wall	4,905 00	4,594 64	781 20	250 00	10,550 84
E. 47th Street, pier and approach	6,578 50	8,776 64	420 00	.....	15,775 14
E. 90th St. section, bulkhead wall	17,545 50	15,839 74	3,150 00	.....	36,535 24
E. 90th St., pier	10,950 00	14,162 00	.....	20,950 00	46,062 00
Main St., Brooklyn, platform	8,970 00	8,850 00	.....	1,250 00	19,070 00
Fulton St., Brooklyn, platform and paving	5,393 50	5,013 40	.....	750 00	11,156 90
W. 209th St., bulkhead wall.	3,113 00	367 52	122 50	.....	3,603 02
209th St. and 210th St., Harlem River (west side)	.....	.....	.....	15,200 00	15,200 00
West 209th St., pier	4,288 00	5,427 00	.....	6,400 00	16,115 00
Pier 29, N. R., extension	20,312 00	20,001 00	5,600 00	.....	45,913 00
Pier at Corlears St., E. R..	3,445 50	3,900 00	.....	.....	7,345 50
Test piles, borings, test pits, etc.	6,218 00	.....	.....	.....	6,218 00
Along north side of 28th St., Brooklyn, bulkhead and paving	3,833 50	2,680 00	.....	3,750 00	10,263 50
West 55th St., pier, to complete	3,843 50	4,130 00	.....	.....	7,973 50
Stapleton Ferry rack, removal	6,970 00	.....	.....	.....	6,970 00
Towing	5,056 00	.....	.....	.....	5,056 00
Launches	9,037 00	.....	.....	.....	9,037 00
Contract supervision, inspector	7,575 00	.....	.....	.....	7,575 00
Laborers and watchmen	4,161 25	.....	.....	.....	4,161 25
Roundsmen	5,292 50	.....	.....	.....	5,292 50
Marine sounders	13,122 00	.....	.....	.....	13,122 00
Yard operations	5.874 00	.....	.....	.....	5,874 00
Nott Ave., basin operations.	2,050 00	.....	.....	.....	2,050 00
Laborer, Pier A	757 50	.....	.....	.....	757 50
Miscellaneous tools	.....	11,564 30	.....	.....	11,564 30
E. 104th St., pier, Harlem River	7,033 50	9,600 00	.....	.....	16,633 50
W. 23d St., coping and paving	1,992 10	372 14	.....	.....	2,364 24
Vacation schedules	28,751 60	.....	.....	.....	28,731 60
Corlears section, wall, completion	1,030 00	.....	.....	.....	1,030 00
W. 57th St., pier, fendering.	2,748 00	1,256 00	.....	.....	4,004 00
Corlears Hook Park, wall..	.....	.....	3,500 00	22,250 00	25,750 00
Boatman	675 00	.....	.....	.....	675 00
Sounder	108 00	.....	.....	.....	108 00
Scowman	27 00	.....	.....	.....	27 00
Machinist	135 00	.....	.....	.....	135 00
Machinist Helper	90 00	.....	.....	.....	90 00
Inspector, pier building	180 00	.....	.....	.....	180 00
	$271,081 95	$147,079 57	$19,103 70	$94,175 00	$531,440 22

SUMMARY OF REQUESTS.

	Labor.	Material.	Riprap.	Dredging.	Totals.
Schedule A	$5,190 50	.....	.....	.....	$5,190 50
Schedule B	91,104 50	$96,181 27	.....	$42,560 00	224,845 77
Schedule C	187,990 30	125,839 83	$21,795 90	102,400 00	438,026 03
Schedule D	271,081 95	147,079 57	19,103 70	94,175 00	531,440 22
	$555,367 25	$369,100 67	$40,899 60	$239,135 00	$1,204,502 52

Note—An item of $7,500, for dredging "Riverside Park, between West 88th and West 95th Streets for the West 46th Street pier," is not included in the preceding schedules, as the item was considered in the report of your committee dated May 11, 1915.

Each item of the request for which an allowance is not recommended is discussed or explained in the statements following:

Schedule A.

This schedule needs no explanation. The work has been completed and paid for.

Schedule B.

Dover Street—Bulkhead Wall. This wall is being built in conjunction with new pier No. 21, which is now in course of construction. An authorization of $70,000 corporate stock was made by the Board of Estimate and Apportionment on May 2, 1912, for the construction of the pier. The wall has been partly completed and it is considered that there is sufficient in the fund to finish both the pier and the wall. Funds will have to be provided, however, as shown in Schedule D, for riprap and dredging.

Pier 21 East River. This pier is now being constructed by the departmental labor force. The pier is to be leased to the Baltimore and Ohio Railroad Company when completed. Corporate stock to the amount of $70,000 was authorized by the Board of Estimate and Apportionment for the work on May 2, 1912. This amount does not include the cost of riprap and dredging, funds for which will have to be provided, as shown in Schedule D.

Removal of Old Piers 27-28, East River. Corporate stock to the amount of $27,000 was authorized for the removal of these old piers (to make room for new pier 21), on July 3, 1913. The Department desires to do a part of the work with the departmental force, and therefore requested corporate stock to the amount of $6,970.50.

The Bureau of Contract Supervision finds that there is sufficient in the fund already authorized for the work. If necessary, the amount required may be made available for the department force by amending the resolution adopted on July 3, 1913.

East 16th Street Bulkhead Wall. This wall is now being built. It is in front of and on the northerly side of the grounds of the Willard Parker Hospital.

An authorization of corporate stock to the amount of $48,000 for the construction of the wall was made to the Department of Health by the Board of Estimate and Apportionment on June 26, 1913. The funds provided are sufficient for the work.

Corlears Hook Park Wall. Corlears Hook Park is under the jurisdiction of the Department of Parks, Boroughs of Manhattan and Richmond. A wall is much needed in front of the park.

An authorization of corporate stock to the amount of $42,500 was made, to be used by the Department of Parks in the construction of a wall at this point, on June 26, 1913. An unencumbered balance of $41,865.65 remains in the fund. This fund may be made available for the work by amendment of the authorizing resolution, or by agreement between the two departments. The amount remaining is sufficient for the work, exclusive of riprap and dredging, which is allowed for in Schedule D.

Mill Basin Bulkhead and Platform, Brooklyn. Mill Basin Street Piling Bulkhead and Pumping. The improvements proposed at Mill Basin are subject to approval by the Board of Estimate and Apportionment. If approved, a transfer of funds from existing appropriations in connection with Jamaica Bay Improvement, to cover the cost of the work can be made.

Schedule C.

Blackwell Section Bulkhead Wall. The Blackwell Section on the East River extends from the south side of 74th street to the north side of 81st street. The wall has been completed from the south side of 74th street to a point about 40 feet north of the north side of 79th street. The portion to be completed has a length of 480 feet, and on account of the large amount of rock which it will be necessary to excavate, the work will be very costly. It is estimated that the amount requested, $112,436.35 would complete only about one-half of the space that remains to be done. We do not consider the improvement sufficiently urgent to warrant the expenditure at this time.

East 120th Street Bulkhead Wall. The East 120th street section extends from the south side of East 120th street to East 123rd street.

A wall has been built from the south side of East 123rd street to the south side of East 124th street.

With the funds requested it was proposed to build a wall from East 120th street to East 121st street. If built, this would leave an unbuilt space between East 121st and East 123rd streets for which the Department of Docks and Ferries has not yet acquired property rights.

In view of the small wharfage receipts, $561.38 for the year 1914, for the bulkhead between East 123rd and East 124th streets, we are of the opinion that the expenditure proposed would be unwarranted.

Williamsburg Bridge Bulkhead Wall and Platform. The location of these proposed improvements is under the jurisdiction of the Department of Bridges. We are informed that the said department is in litigation with a former lessee of the old pier. While the improvement is desirable, the request for an appropriation should come from the department having jurisdiction.

West 208th Street Pier, Harlem River. A new pier is being constructed at West 209th street and the Harlem River.

We are of the opinion that the proposed expenditure for the construction of another pier for open wharfage is not justified at this time.

Pier 33, North River Extension. The request for funds for this improvement was verbally withdrawn by the Commissioner of Docks.

39th Street Ferry Terminal. A large part of the work proposed under this request has been completed. No further funds are required.

Approach to West 42nd Street Pier, North River. The work proposed under this request is properly a tax levy charge.

Extension to East 100th Street Pier. There are a number of open wharfage piers and bulkheads in the immediate vicinity. From examination of wharfage receipts it does not appear that the proposed expenditure is justifiable.

East 106th Street, Harlem River. There are new piers on the Harlem River at East 96th street, East 100th street, East 102nd street and East 103rd street. Approval is recommended in schedule "D" of the construction of a new pier at the foot of East 104th street. We are of the opinion that with the addition of the recommended 104th street pier, the wharfage facilities in the vicinity will be adequate.

East 134th Street, Bronx Crib Bulkhead. This crib is proposed in connection with the proposed construction of a new pier at the foot of East 134th street.

It is the opinion of your committee that the construction of a pier at this point should be deferred. Funds for the crib bulkhead therefore need not be provided.

New Pier at the Foot of East 134th Street, Bronx. The location proposed for the construction of this pier is immediately south of the College Point Ferry House and slip. If a pier were built here berths only on the south side would be available, as there would not be room between the north side of the pier and the piling of the ferry rack for a boat to enter.

The demand for a new pier at this location is not urgent.

Wharfage collections in the vicinity during the year 1914 were as follows:

Pier at foot of East 136th street	$376 28
Pier at foot of East 138th street	483 14

Tiffany Street Pier, Bronx extension. The pier at the foot of Tiffany street, Bronx, is 312 feet long by 50 feet in width.

The pier is open on both sides and no part is taken up by leases or special privileges.

The pier is sufficiently long enough now to permit of unloading or loading of four barges or scows at once.

We are of the opinion that the pier is large enough now to meet present requirements.

Queensborough Bridge Crib Bulkhead and Platform. This proposed improvement is under the Queensborough side of the river.

The site is under the jurisdiction of the Department of Bridges. The request should come from that department.

Queensborough Bridge Paving. This proposed work is in connection with the construction of a crib bulkhead and platform at the same location as the bulkhead and platform.

Request should emanate from the Department of Bridges.

Paving the Roadway of West 36th Street, Brooklyn. In view of the likelihood of this location being used as a terminal for the Brooklyn Marginal Railway, this request was withdrawn.

Careful consideration has been given by your Committee to the proposed improvements as listed in schedule "D," both with regard to the necessity or urgency for the work being immediately proceeded with, if new, or for the completion of the work if under way, and also as to the amounts that should be provided.

We are of the opinion that funds will be necessary, as of April 15, 1915, for wages of the departmental labor force, for materials, riprap, dredging and other purposes as set forth in the following schedule:

SCHEDULE E.
Amounts Recommended as of April 15, 1915, to Cover Cost of Improvements Listed in Table D.

	Labor.	Material.	Rip-rap.	Dredging.	Totals.
Yorkville Section Bulkhead Wall	$41.270 80	$28,729 20	$1,400 00	.....	$71,400 00
Dover Street Bulkhead Wall, Rip-rap and Dredging	.....	.....	1,540 00	$3,100 00	4,640 00
Pier 21, East River, Rip-rap and Dredging	.....	.....	2,590 00	17,000 00	19,590 00
Jefferson Section Bulkhead Wall	4,469 00	4,172 56	781 20	200 00	9,622 76
East 47th St. Pier and Approach	3,380 00	4,115 70	420 00	.....	7,915 70
East 90th Street Section, Bulkhead Wall	13,154 50	10,845 50	3,150 00	.....	27,150 00
East 90th Street Pier	10,500 00	13,500 00	.....	18,000 00	42,000 00
Main Street, Brooklyn, Platform	8,741 00	8,259 00	.....	1,000 00	18,000 00
Fulton Street Brooklyn, Platform and Paving	5,247 00	4,753 00	.....	600 00	10,600 00
West 209th St. Bulkhead Wall	414 50	285 50	122 50	.....	822 50
West 209th St. and 210th St., Harlem River	.....	.....	.....	15,200 00	15,200 00
West 209th St. Pier	3,167 00	3,333 00	.....	6,400 00	12,900 00
Pier 29, North River, Extension	12,850 00	9,150 00	5,600 00	.....	27,600 00
Pier at Corlears Street	3,320 50	3,679 50	.....	.....	7,000 00
Test Piles, Borings, Test Pits, etc.	2,945 50	.....	.....	.....	2,945 50
Along north side of 28th St., Brooklyn, Bulkhead and Paving	3,833 50	2,666 50	.....	3,750 00	10,250 00
West 55th St., to complete	1,058 00	942 00	.....	.....	2,000 00
Stapleton Ferry Rack Removed	4,903 00	.....	.....	.....	4,903 00
Corlears Hook Park Wall	.....	.....	3,500 00	6,600 00	10,100 00
Miscellaneous Schedules.					
Towing	4,163 00	.....	.....	.....	4,163 00
Launches	6,763 00	.....	.....	.....	6,763 00
Contract Supervision Inspector	4,340 00	.....	.....	.....	4,340 00
Laborers and Watchmen	2,456 50	.....	.....	.....	2,456 50
Roundsmen	3,828 00	.....	.....	.....	3,828 00
Marine Sounders	5,208 00	.....	.....	.....	5,208 00

	Labor.	Material.	Rip-rap.	Dredging.	Totals.
Yard Operations	5,840 50	.....	.....	.....	5,840 50
Nott Avenue Basin Operations	2,050 00	.....	.....	.....	2,050 00
Laborer, Pier A	542 50	.....	.....	.....	542 50
Miscellaneous Tools	.....	6,000 00	.....	.....	6,000 00
East 104th Street Pier, Harlem River	6,891 00	9,109 00	.....	.....	16,000 00
West 23rd Street, Coping and Paving	792 60	107 40	.....	.....	900 00
Vacation Schedule	23,229 60	.....	.....	.....	23,229 60
Corlears Section Wall, complete	90 90	.....	.....	.....	90 90
West 57th Street, Fendering	2,748 00	1,252 00	.....	.....	4,000 00
Boatmen	600 00	.....	.....	.....	600 00
Machinists	135 00	.....	.....	.....	135 00
Machinist's Helper	90 00	.....	.....	.....	90 00
	$189,022 90	$110,899 86	$19,103 70	$71,850 00	$390,876 46

Unencumbered balances and materials on hand as of April 15, 1915, will reduce the estimated requirements as shown in Table E from $390,876.46 to $133,914.70 as follows:

Labor, Table E		$189,022 90
Less Unencumbered Balances:		
C. D. D.—1	$102,033 30	
C. D. D.—26	379 26	
C. D. D.—26-A	9,945 31	
		$112,357 87
		$76,665 03
Materials	$110,899 86	
Riprap	19,103 70	
	$130,003 56	
Less unencumbered balances and materials on hand:		
C. D. D.—27	$168,242 79	
C. D. D.—27-A	5,000 00	
Supplies on hand	140,761 48	
	$314,004 27	
Excess over requirements	$184,000 71	
Dredging	71,850 00	
Less unencumbered balances:		
C. D. D.—18	$14,596 66	
C. D. D.—31	3 67	
	$14,600 33	$57,249 67
		$133,914 70

To this is to be added Engineering Expenses from April 15, 1915, as follows:

Bureau of Engineering:		
Salaries Code 2804 TC	$83,690 08	
Salaries Code 2803 TC	9,981 30	
Salaries Code 2802 TC	13,863 77	
Wages Code 2811 TC	23,595 94	
		$131,131 09
		$265,045 79

The request also includes items for hired tugs, horses and carts, carfare and petty cash aggregating $5,350. The estimated requirements for these items from April 15, 1915 is $3,566.67 which can be made available from the surplus unencumbered balance in C. C. D.-27 previously noted.

We recommend the adoption of the attached resolution granting the request to the extent of $265,045.79. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; E. W. VOORHIES, Acting President, Borough of Brooklyn.

I concur except as to Tiffany street pier, which apparently has been inadvertently included in schedule of unnecessary work. This extension should be built.

DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee, May 25, 1915.

The President of the Borough of The Bronx moved that the improvement described in Schedule C as "Tiffany Street Pier Extension, Bronx," be transferred to the list of improvements comprising Schedule D, as there is a balance of $16,000 in the fund C. D. D.—10 for the construction of this pier, which has been recommended for rescindment. The proposed work is in the nature of a completion of the pier and is properly payable out of the account C. D. D.—10.

It is estimated that the labor upon the proposed work will cost $5,375.50. No additional allowance is necessary for materials. It is recommended that a schedule of necessary labor be established, to be charged to the account C. D. D.—10, to provide for the completion of the Tiffany street pier construction, said schedule to total $5,375, the remainder of the balance in account C. D. D.—10 to be rescinded.

The motion of the President of the Borough of The Bronx was carried; and the following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 180 of the Greater New York Charter, as amended, and the recommendation of the Commissioners of the Sinking Fund, by resolution adopted on May 19, 1915, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding two hundred and sixty-five thousand and forty-five dollars and seventy-nine cents ($265,045.79), to provide means for the payment by the Department of Docks and Ferries of salaries and wages, and for dredging in connection with new construction work, and the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, the proceeds to the amount of the par value thereof to be applied to the purposes aforesaid, apportioned as follows:

Bureau of Engineering:		
Salaries, Code 2804 T C		$83,690 08
Salaries, Code 2803 T C		9,981 30
Wages, Code 2820 C		76,665 03
Dredging		57,249 67
		$227,586 08
Bureau of Supplies:		
Salaries, Code 2802 T C	$13,863 77	
Wages, Code 2811 T C	23,595 94	
		$37,459 71
		$265,045 79

—and be it further

Resolved, That no part of the amount authorized and apportioned for Salaries and Wages for Code 2820 C shall become available or be expended until all of the funds authorized and standing to the credit of the department in the account "C. D. D. 1 Department of Docks and Ferries Dock Fund," shall have been exhausted.

—be it further

Resolved, That the Board of Estimate and Apportionment hereby approves of a wage schedule of temporary employees for the Department of Docks and Ferries for the completion of the construction of the pier at the foot of Tiffany street, Borough of The Bronx, to be chargeable to the account C. D. D.—10, as follows:

Personal Service, Wages, Temporary Employees.

2820½—C Corporate Stock Force—	
Foreman Dock Builder, at $5 per day, 1, 78 days	$390 00
Engineer (Pile Driver), at $5 per day, 1, 78 days	390 00
Dock Builder, at $4 per day, 12, 78 days each	3,744 00
Laborer, at $2.50 per day, 2, 78 days each	390 00
Laborer (Acting Watchman), at $2.50 per day, 2, 78 days each	390 00
Laborer (Acting Watchman), at $2.50 per day, 1, 11 days	27 50
Saw Filer, at $4 per day, 1, 11 days	44 00
Schedule Total	$5,375 50
Corporate Stock Allowance	$5,375 50

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the President of the Borough of Queens and the Acting President of the Borough of Richmond—16.

Department of Docks and Ferries—Rescission and Reissue of Corporate Stock (Cal. No. 63).

(On May 21, 1915 (Cal. No. 85), the communication from the Commissioner of Docks, requesting the rescission of $80,000 corporate stock and resolution of the Commissioners of the Sinking Fund in this matter were referred to the Committee on Corporate Stock Budget for report on May 28, 1915.)

(On May 28, 1915 (Cal. No. 27), this matter was laid over for one week, under Rule 19.)

The Secretary presented a communication dated May 17, 1915, from the Commissioner of Docks, requesting the rescission of $80,000 corporate stock in account "CDD No. 25," and the authorization of a like amount to cover the cost of constructing a bulkhead and platform and for dredging at Mill Basin; also a resolution of the Commissioners of the Sinking Fund, adopted on May 19, 1915, relative thereto, and the following report of the Committee on Corporate Stock Budget recommending approval of the request:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 22, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On May 21, 1915, you referred to the Committee on Corporate Stock Budget a communication from the Dock Commissioner requesting that $80,000 be made available by rescindment, in account C. D. D. 25, and reauthorization, for the purpose of constructing a bulkhead and platform and for dredging at Mill Basin, at Flatbush Avenue and Avenue U, Borough of Brooklyn.

On May 19, 1915, the Commissioners of the Sinking Fund adopted a resolution recommending that a resolution adopted by your Board on October 17, 1912, which amended a resolution adopted on February 9, 1911, authorizing $950,000 in corporate stock for improving Jamaica Bay, Borough of Brooklyn, be further amended so as to provide that $80,000 of the amount therein authorized for item 3, acquisition of land, may be made available as requested by the Dock Commissioner.

The original resolution adopted on February 9, 1911, Item 3, provides as follows:

"For the acquisition of lands located in or on Jamaica Bay needed for filling purposes, the precise location of such lands to be determined upon in the future by the Commissioner of Docks acting co-ordinately with the Commissioners of the Sinking Fund..... $750,000 00"

As amended, the amount authorized for this item was fixed at $674,000.

In the request for corporate stock submitted by the Department of Docks and Ferries for 1915, appear items as follows:

Mill Basin Bulkhead Platform	$15,102 50
Mill Basin Sheet Pile Bulkhead	19,337 00
Dredging 532,200 cubic yards at 8 cents	42,560 00
	$76,999 50

In a report of the Committee on Corporate Stock Budget dated May 20, 1915, addressed to your Board, these items were included in Schedule "E," "Improvements for which specific funds are now available or may be made available by amendment of existing authorizations."

Mill Basin is on the westerly side of Jamaica Bay at and near the foot of Flatbush avenue, Brooklyn.

It is proposed to construct at Flatbush avenue between Avenues U and V on the bulkhead line, a bulkhead about 1,600 feet in length, sheet pile the front of same and build a platform about 400 feet in length; also to dredge thereat and to dredge the approach channel from the main channel to deep water in Mill Creek.

We recommend the adoption of the attached resolution approving the recommendation of the Commissioners of the Sinking Fund adopted on May 19, 1915. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; E. W. VOORHIES, Acting President, Borough of Brooklyn; DOUGLAS MATHEWSON, President of the Borough of The Bronx, Corporate Stock Budget Committee.

The following resolution was offered:

Resolved, That, in accordance with the recommendations contained in a resolution adopted by the Commissioners of the Sinking Fund on May 19, 1915, the resolution adopted by the Board of Estimate and Apportionment on February 9, 1911, authorizing nine hundred and fifty thousand dollars ($950,000) in corporate stock for the uses and purposes of the Department of Docks and Ferries for various improvements of Jamaica Bay, which resolution, on the recommendation of said Commissioners of the Sinking Fund, dated October 9, 1912, was amended by the Board of Estimate and Apportionment on October 17, 1912, be *further amended* so as to read as follows:

Resolved, That, pursuant to the provisions of section 180 of the Greater New York Charter, and the recommendations of the Commissioners of the Sinking Fund, by resolutions adopted January 11, 1911, October 9, 1912, and May 19, 1915, the Board of Estimate and Apportionment hereby authorizes the Comptroller to issue corporate stock of the City of New York in the manner provided by section 169 of the Greater New York Charter, to an amount not exceeding nine hundred and fifty thousand dollars ($950,000), the proceeds whereof to be applied to the purposes and uses of the Department of Docks and Ferries in the sums and for the purposes as hereinafter specified:

1. For the construction of a section of bulkhead, sand dyke or riprap retaining wall, intended to retain dredged material to be taken from the main channel or entrance channel of Jamaica Bay, such structure or structures to be located along the section or sections of the proposed bulkhead line between Spring Creek Basin and the termination of the bulkhead at the point of Barren Island, fifty thousand dollars ($50,000).

2. For dredging in the main channel in Jamaica Bay between Spring Creek Basin and the southeasterly point of Barren Island, contingent upon the execution of a contract with the United States Government, through which provisions shall be made for the reimbursement of The City of New York by the United States Government, for all or a part of the cost of said dredging, *two hundred and twenty-six thousand dollars* ($226,000).

3. For the acquisition of lands located in or on Jamaica Bay needed for filling purposes, the precise location of such lands to be determined upon in the future by the Commissioner of Docks acting co-ordinately with the Commissioners of the Sinking Fund *five hundred and nine-four thousand dollars* ($594,000), *or a reduction of eighty thousand dollars* ($80,000) *from the amount authorized for this particular purpose in the amendment adopted by the Board of Estimate and Apportionment on October* 17, 1912.

4. For the construction of approximately sixteen hundred (1,600) linear feet of bulkhead and approximately four hundred (400) linear feet of platform at Mill Basin at Flatbush Avenue and Avenue U, Borough of Brooklyn, and to dredge thereat and also to dredge the approach channel from the main channel to deep water in Mill Creek, eighty thousand dollars ($80,000).

—provided, however, that no obligation shall be incurred by contract or otherwise against the appropriations herein previously recommended, except in accordance with law.

This amendment will thus effect a further rescindment of eighty thousand dollars ($80,000) from the amount authorized in item No. 3, C. D. D.—25, by the amendment thereto of the Board of Estimate and Apportionment of October 17, 1912, and it also authorizes the use of the sum thus rescinded for a new and additional purpose as described in item 4.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting Presi-

dent of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Board of Estimate and Apportionment—Release of Issue of Corporate Stock to Provide for Deficiencies in Tax Levies (Cal. No. 64).

The Secretary presented a report of the Committee on Corporate Stock Budget, recommending that the sum of $4,300,000 be released from the corporate stock authorization of $36,000,000, adopted on September 21, 1906, to provide for deficiencies in Tax Levies of 1904, and prior, not otherwise provided for, in accordance with the provisions of resolution adopted January 14, 1910.

(On May 28, 1915 (No. 186), the above mentioned report was presented to the Board and laid over until this meeting.)

The matter was laid over for one week (June 11, 1915).

Borough Presidents; Department of Parks, Borough of Brooklyn—Issue of Corporate Stock for Repaving (Cal. No. 65).

(On May 14, 1915 (Cal. No. 144), a resolution was adopted authorizing an issue of corporate stock in the sum of $600,000 for repaving streets under the jurisdiction of the President of the Borough of Brooklyn. On May 21, 1915 (Cal. No. 101), a resolution was adopted authorizing an issue of corporate stock in the sum of $600,000 for repaving streets under the jurisdiction of the President of the Borough of Manhattan, this issue being authorized subject to separate adjustment of the cost of subway streets; and another resolution was adopted at the latter meeting authorizing an issue of corporate stock in the sum of $100,000 for repaving streets under the jurisdiction of the President of the Borough of Queens. On May 21, 1915 (Cal. No. 101), the matter of an authorization of corporate stock for repaving Ocean avenue, Borough of Brooklyn, under the jurisdiction of the Commissioner of Parks, Borough of Brooklyn, was laid over for one week.)

(On May 28, 1915 (Cal. No. 172), the matter of the authorization of corporate stock for repaving Ocean avenue, under the jurisdiction of the Commissioner of Parks, Borough of Brooklyn, was laid over until this meeting.)

The matter of the authorization of corporate stock for repaving Ocean avenue was again laid over for one week (June 11, 1915.)

Department of Parks, Borough of Brooklyn—Retirement of David C. Thomson, Foreman (Cal. No. 66).

The Secretary presented a report of the Committee on Salaries and Grades in the matter of the request of the Commissioner of Parks, Borough of Brooklyn, for the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of David C. Thomson, a Foreman of Greenhouses in said Department.

The Committee reports that the Medical Examiner of the Department of Finance has examined Mr. Thomson and states that the applicant is both physically and mentally able to perform the duties of his position, and suggests that the request for his retirement be denied.

The Committee recommends that the application of David C. Thomson for retirement be denied, as the Board of Estimate and Apportionment is without authority to retire an employee unless he is physically or mentally incapacitated for the further performance of the duties of his position.

(On July 30, 1914 (Cal. No. 390), the above mentioned request was referred to the Committee on Salaries and Grades.)

(On May 28, 1915 (Cal. No. 32), this matter was laid over until this meeting.)

The matter was laid over for one week (June 11, 1915).

Department of Parks, Borough of Brooklyn—Retirement of Jeremiah Morris, Letterer (Cal. No. 67).

The Secretary presented a report of the Committee on Salaries and Grades in the matter of the request of the Commissioner of Parks, Borough of Brooklyn, for the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of Jeremiah Morris, a Letterer in said Department.

The Committee reports that the Medical Examiner of the Department of Finance has examined Mr. Morris and states that the applicant is both physically and mentally able to perform the duties of his position, and suggests that the request for his retirement be denied.

The Committee recommends that the application of Jeremiah Morris for retirement be denied, as the Board of Estimate and Apportionment is without authority to retire an employee unless he is physically or mentally incapacitated for the further performance of the duties of his position.

(On July 30, 1914 (Cal. No. 390), the above mentioned request was referred to the Committee on Salaries and Grades.)

(On May 28, 1915 (Cal. No. 33), this matter was laid over until this meeting.)

The matter was laid over for one week (June 11, 1915).

President, Borough of Queens—Authority to Fill Vacancy (Cal. No. 68).

The Secretary presented a report of the Committee on Salaries and Grades on the request of the President of the Borough of Queens for permission, in pursuance of Budget resolution Second (c) for 1915, to fill a vacant position.

The Bureau of Standards reports that the position of typewriting copyist at $900 is vacant and it is proposed to fill it by promoting a typewriting copyist who now receives $720. The work falls within Grade 1 of the tentative specifications of the typist group with a salary ranging from $600 to $720 per annum.

In view of this report, the Committee recommends that the request be denied.

(On May 28, 1915 (Cal. No. 39), this matter was laid over for one week, under Rule 19.)

The matter was referred back to the Committee on Salaries and Grades.

Coroners, Brooklyn—Issue of Special Revenue Bonds and Modification of Schedule (Cal. No. 69).

(On April 30, 1915 (No. 205), the request herein was referred to the Comptroller.)

(On May 28, 1915 (Cal. No. 65), the report of the Comptroller was presented and laid over for one week, under Rule 19.)

The Secretary presented a resolution of the Board of Aldermen adopted March 23, 1915, requesting an issue of special revenue bonds in the sum of $55, the proceeds whereof to be used by the Board of Coroners, Borough of Brooklyn, to pay for services of Interpreters for the months of September, October and December, 1914; and the following report of the Committee on Salaries and Grades recommending approval thereof and modification of schedule:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, May 22, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On March 23, 1915, the Board of Aldermen adopted a resolution requesting the Board of Estimate and Apportionment to authorize the Comptroller to issue $55 special revenue bonds to be used by the Board of Coroners, Borough of Brooklyn, to pay claims of Interpreters for the months of September, October and December, 1914. The Bureau of Standards reports as follows:

"On January 4, 1915, the Board of Aldermen adopted a resolution requesting authorization of $300 special revenue bonds to pay for services of Interpreters employed by the Board of Coroners during November and December, 1914. On January 29, the Board of Estimate and Apportionment concurred in the resolution to the extent of $240. The report of the Comptroller on that request shows (Minutes, pp. 816-817) that provision was made in the 1914 Budget for Interpreters, at $5 a day, for 180 days; that Interpreters had been employed in excess of that time as follows: September, 2 days; October, 8 days; November, 21 days; December, 27 days; total, 58 days. The first resolution of the Board of Aldermen limited payments to services rendered in November and December—48 days. On the basis of $5 per day, the Board authorized $240.

"The present request embraces the months of September and October, and payment for one day in December, which was omitted through error from the first request. The total is eleven days, at $5 per day, or $55."

In view of the report of the Bureau, the Committee recommends adoption of the attached resolutions concurring in the resolution of the Board of Aldermen and modifying the schedules. Respectfully,

WM. A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen, Committee on Salaries and Grades.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen on March 23, 1915, requesting the issue of special revenue bonds to the amount of fifty-five dollars ($55), the proceeds thereof to be used by the Board of Coroners, Borough of Brooklyn, for the payment of unpaid claims of Interpreters for services rendered during the months of September, October and December, 1914, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and for the purpose of providing means therefor, the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York to an amount not exceeding fifty-five dollars ($55), redeemable from the tax levy of the year succeeding the year of their issue.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedule, as revised, for the Board of Coroners, Borough of Brooklyn, for the year 1914, as follows:

Personal Service.

2956	Wages, Temporary Employees— Interpreter, at $5 per day, 239 days	$1,195 00
	Tax Levy Allowance	$900 00
	Revenue Bond Allowance	295 00
	Total	$1,195 00

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Department of Finance—Transfers To and From the General Fund for the Reduction of Taxation (Cal. No. 70).

The Secretary presented a report of the Comptroller, submitting for the consideration of the Board two resolutions and two statements prepared by the Bureau of Municipal Investigation and Statistics of the Department of Finance, showing the unencumbered balances in the appropriation accounts for 1914 and prior years, and in special revenue bond accounts available for transfer to the General Fund of The City of New York for the Reduction of Taxation, also the amounts desired to be transferred from the General Fund to cover deficits in various accounts.

(On May 28, 1915 (Cal. No. 72), this matter was laid over until this meeting.)

The matter was laid over for one week (June 11, 1915).

President, Borough of Richmond—Issue of Special Revenue Bonds (Cal. No. 71).

(On April 16, 1915 (No. 194), the resolution of the Board of Aldermen in this matter was referred to the Comptroller.)

(On May 28, 1915 (Cal. No. 75), the report of the Comptroller was presented and the matter was laid over until this meeting.)

The Secretary presented a resolution of the Board of Aldermen adopted March 30, 1915, requesting an issue of special revenue bonds in the sum of $5,300, the proceeds whereof to be used by the President of the Borough of Richmond for the purpose of constructing a sewage disposal plant at Richmond County Jail; and the following report of the Comptroller recommending aprpoval thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building Bureau of Contract Supervision, May 17, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On March 30, 1915, the Board of Aldermen requested $5,300 in special revenue bonds, the proceeds to be used by the President of the Borough of Richmond for the purpose of constructing a sewage disposal plant at Richmond County Jail, Borough of Richmond. This jail, which is of modern construction, accommodates an average of 65 persons. The maximum amount of sewage to be disposed of is estimated at 7,000 gallons daily.

During the summer of 1914 the Department of Health called the attention of the Borough President of Richmond to the necessity of providing some adequate and unobjectionable method of disposing of the sewage from the jail, as under the existing conditions liquid sewage is discharged at intervals into the open street gutters, and, subsequently drying out and decomposing, causes disagreeable odors and is a menace to health.

Studies have since been made and various methods of sewage disposal considered, among which the following were suggested and discarded for the reasons given:

Leaching Cesspool—This plan contemplated using an old cistern and relying upon the adjacent soil to purify the sewage, but would not be effective when new and would become absolutely useless in a very short time.

Sewer to Richmond Creek—There are no sanitary sewers in this section of the Borough. It would be possible, by means of a six-inch or eight-inch vitrified pipe sewer, not over one thousand feet long, to discharge sewage from the jail into Richmond Creek, which, at the point where the sewer would empty, is very small, sluggish and subject to tidal action. This plan was objected to by the Department of Health on account of the unsanitary conditions which would result from the discharge of a large quantity of sewage into the Creek, where it would be only slightly diluted, and from which, on account of the action of the tide, little or none would be carried to open water.

Renovating Existing Plant—This plant consists of a tank from which the liquid sewage is pumped once each day to two subsurface irrigation beds. The ground above the beds is used for garden purposes.

I am informed that the plant was designed by the late Col. George E. Waring, Jr., and that during the past eleven years neither the tank nor the irrigation beds have received any attention, other than that incident to the cultivation of the soil over the latter. As a result the efficiency of the beds has become so impaired that it was decided that it would be necessary to reconstruct the entire system. It has, therefore, been decided to construct a new plant, utilizing such portions of the present plant as are in good condition.

Proposed Plant—Tentative plans have been made which may be modified upon further study. The main feature is a sedimentation tank, from which liquid sewage will be pumped at frequent intervals through a screen chamber to two subsurface irrigation beds, newly constructed of gravel, through which will run two tiers of drain tile.

The sewage will be applied alternately to the two beds, through the upper tier of drain tile, and any liquid passing completely through this bed will be drawn off through the lower tier to an old cistern.

It is also planned to aerate the beds by means of the lower tier of drains.

The action of the proposed electrically-driven pneumatic pump will be automatic and dependent in frequency upon the rate of sewage discharged from the building.

The preliminary estimate of cost is $5,300.

An investigation of the matter has been made by the Bureau of Contract Supervision, which reports that it believes the proposed appropriation to be necessary, and that, while the preliminary estimate of cost appears reasonable, more detailed study may develop opportunities for effecting savings which will result in a considerable reduction in the actual cost.

I, therefore, recommend the adoption of the attached resolution granting this request. Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the resolution adopted by the Board of Aldermen March 30, 1915, requesting the issue of special revenue bonds to the amount of five thousand three hundred dollars ($5,300), the proceeds thereof to be used for the construction of a sewage disposal plant, with all appliances and connections, etc., at Richmond County Jail, Borough of Richmond, under the jurisdiction of the President of the Borough of Richmond, be and the same is hereby approved of and concurred in by the Board of Estimate and Apportionment, and for the purpose of providing means therefor, the Comptroller be and is hereby authorized, pursuant to the provisions of subdivision 8 of section 188 of the Greater New York Charter, to issue special revenue bonds of The City of New York to an amount not exceeding five thousand three hundred dollars ($5,300), redeemable from the tax levy of the year succeeding the year of their issue, all obligations contracted for hereunder to be incurred on or before

December 31, 1915; provided, however, that no part of the proceeds of the special revenue bonds herein authorized shall be available until after the Board of Estimate and Apportionment has approved forms of contract, plans, specifications and estimates of cost pertaining to the same, and that no part of such proceeds shall be used for the payment of fees of any engineer or expert until after a contract with such engineer or expert has been approved by the Board of Estimate, and that no part of such proceeds shall be used for the payment of any salary or wage of departmental employees until after approval by the Board of Estimate and Apportionment and in accordance with the schedules to be adopted by said Board; and be it further

Resolved, That the President of the Borough of Richmond is directed to submit to the Board of Estimate and Apportionment for its approval forms of contract, plans, specifications and estimates of cost prior to advertising for bids for work chargeable to the proceeds of the special revenue bonds herein authorized, and is also directed to submit to this Board for its approval all agreements with an engineer or engineers, expert or experts, whenever such agreements or contracts are chargeable against special revenue bonds herein authorized.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens, and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Issue of Corporate Stock for Constructing an Additional Entrance to 96th Street Subway Station (Cal. No. 72).

(On April 1, 1915 (No. 176), the requisition of the Public Service Commission for the First District in this matter was referred to the Comptroller.)

(On May 28, 1915 (Cal. No. 79), the report of the Comptroller was presented and the matter was laid over until this meeting.)

The Secretary presented the following requisition of the Public Service Commission for the First District; and report of the Comptroller recommending the denial thereof:

Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York.

To the Board of Estimate and Apportionment of The City of New York:

The Public Service Commission for the First District, in accordance with the provisions of the Rapid Transit Act, being chapter 4 of the Laws of 1891, as amended, and in accordance with the provisions of the Public Service Commissions Law, being chapter 48 of the Consolidated Laws, as amended, hereby makes requisition upon the Board of Estimate and Apportionment of The City of New York for the authorization of a further amount of corporate stock of The City of New York to be issued and sold by the Comptroller in addition to the amounts already authorized to be issued to provide means to meet the requirements of extra work under Contract No. 1, being the contract for the construction, equipment and operation of the Manhattan-Bronx Rapid Transit Railroad, that is to say, the sum of sixty thousand dollars ($60,000).

Said sum is the estimated cost of constructing an additional entrance to the 96th Street Station of the Manhattan-Bronx Rapid Transit Railroad to be constructed by the Interborough Rapid Transit Company as extra work under the provisions of said Contract No. 1.

In witness whereof, the Public Service Commission for the First District has caused its official seal to be hereto affixed and attested by its Secretary and this requisition to be signed by its Chairman this 30th day of March, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

(Seal.)

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, May 19, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On March 30, 1915, the Public Service Commission for the First district requisitioned this Board for an additional authorization of corporate stock in an amount of $60,000 to be applied for the purposes of "extra work" under Contract No. 1 in constructing an additional entrance to the 96th street station of the present subway.

The present station at this location is served by four stairways from the street at 96th street leading to a 14-foot transverse passageway under the tracks. Two stairways lead from this to each of the two island platforms, serving north and south bound trains. The proposition here presented is to provide an additional entrance from the street to the south end of this station with a mezzanine platform over the tracks and two additional stairways to each platform. This would relieve such objectional conditions as exist due to the passenger movements across these platforms in changing services, and the longitudinal movements to and from trains occasioned by the stairway entrances being located at the north end, and further, accommodate with an entrance easier of access, those living south of 94th street.

Contract No. 1 concerned the construction and operation of the existing subway system. This would be a "Construction" expenditure and the Company's annual rental payable to the City would be increased by the amount of interest and sinking fund to be paid for the bonds issued for this purpose, and prior to January 1, 1917, when Contract No. 3 goes into effect, the Company's revenue will be decreased by the additional amount of wages to be required for ticket sellers and choppers at this entrance.

I am advised that there has been no demand by any of the local civic organizations at this point for this additional entrance, and as a matter of fact such conditions as now exist will be ameliorated when the additional facilities to be provided for the northern section of the City by the new lines are put into use within 14 or 16 months of the time this work could be completed. This station will cease then to be so important a junction and transfer point. Apart from this, the limit of development of the tributary region has about been reached as shown by the following table.

Its present stairway facilities from the street level and the traffic handled in 1913 and 1914, compared with the other express stations are here shown:

Station.	Stairways.	1913.	1914.	Per Cent. Increase.
Grand Central	7	18,151,765	20,264,696	12
72nd street	4	4,484,207	4,615,425	3
96th street	4	5,464,585	5,627,768	3

Note—A large proportion of the passengers entraining at the Grand Central Station do not use the street stairways.

The installation of this additional stairway will mean the employment at this station of two extra ticket agents at $2.40 per day, two gatemen at $1.90 per day and a porter at $1.60 per day, a total extra expenditure of $10.20 daily or $3,722 annually beyond present operating costs. In addition the annual interest and sinking fund charges on the $60,000 corporate stock required to be issued will aggregate $3,240. totaling with the increase of operating costs noted, about $7,000 per annum. While prior to January 1, 1917, when Contract No. 3 becomes operative, these charges must be met by the Interborough Rapid Transit Company out of its own pocket, after that date the City becomes vitally interested since it is to share the profits after the interest charges and preferential payments provided for in the contract have been met.

The fare revenue from the 5,628,000 passengers entraining at this station in 1914 was $281,400. The additional fixed charges I have noted as to accrue if this stairway is authorized, consumes, therefore, two and a half per cent of this revenue. Needless to say, if the City expects to profit financially from the operations of Contract No. 3, it should move cautiously in authorizing expenditures that are to carry burdensome charges with no added returns in receipts or convenience commensurate with costs.

I am of the opinion that this request should be denied, and so recommend.

I submit for your consideration a resolution denying the request,

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby *denies* the request of the Public Service Commission for the First District, transmitted to this Board on March 30th, 1915, for the authorization of sixty thousand dollars ($60,000) corporate stock for the purpose of providing an additional stairway at the Ninety-sixth street station of the Manhattan-Bronx Rapid Transit Railroad, it being the opinion of this Board that the prospective operation of this and the new transportation lines under the terms of Contract No. 3, will so relieve conditions as to obviate the necessity for the proposed stairway.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Lord Electric Company—Claim of (Cal. No. 73).

The Secretary presented a report of the Comptroller certifying for payment, pursuant to section 246 of the Charter, claim of the Lord Electric Company in the sum of $4,067.16 for additional labor and materials furnished in constructing the railings, roadway, pavement, electrical equipment, etc., on the Manhattan Bridge.

(On April 23, 30 and on May 7, 13, 14, 21 and 28, 1915, this matter was laid over; on the latter date (Cal. No. 178) until this meeting.)

The matter was laid over for one week (June 11, 1915).

Board of Assessors; Department of Finance—Issue of Corporate Stock (Cal. No. 74).

(On May 28, 1915 (No. 185), the report of the Comptroller in this matter was presented and the matter was laid over for one week, under Rule 19.)

The Secretary presented the following report of the Comptroller recommending an issue of Corporate Stock in the sum of $8,562.50, the proceeds whereof to be used for the purpose of paying the award, with interest, made to William Kelly, for damage to his property in connection with the construction of the approach to the bridge over the Gowanus Canal at Hamilton Avenue, Brooklyn.

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, May 27, 1915.

To the Board of Estimate and Apportionment, City of New York:

Gentlemen—The Board of Assessors has transmitted to me a certificate of award for $12,500 made by said board in favor of William Kelly, for damages to his property known as lots 1, 10 and 85 in block 1025 and lots 11 and 16 in block 1031. The certificate is made pursuant to chapter 224, of the laws of 1905, entitled: "An Act to empower the board of assessors of the City of New York to estimate and allow damages sustained by owners of real property fronting upon streets and avenues approaching the bridge over the Gowanus Canal at Hamilton Avenue, Borough of Brooklyn, in the City of New York." The act provides that the board of assessors shall certify the amounts of their awards to the Comptroller and states that "The amount of such award or awards so certified shall be paid by the City of New York, and the Comptroller is hereby authorized to issue corporate stock of the City of New York to the amount of such award or awards, with interest."

The office of the Corporation Counsel advises, under date of May 18, 1915, that the "certificate of award dated April 27, 1915, has been properly made and the amount thereof should be paid together with interest from June 29, 1905 (see ch. 224, L. 1905 and ch. 701, L. 1910)." Chapter 701, L. 1910, fixes the rate of interest at 6 per cent.

It is estimated that it will cost as follows to pay the award mentioned:

Award	$12,500 00
Interest from June 29, 1905	7,562 50
	$20,062 50

The Board of Estimate and Apportionment on July 17, 1911, authorized the issue of corporate stock to the amount of $12,000 to pay awards of this character. Since the stock issued under said authority has amounted to but $500, there now exists authority to issue further obligations to the extent of $11,500 which, however, is insufficient to meet the amount required by $8,562.50.

I would, therefore, respectfully recommend that the Board of Estimate and Apportionment authorize an issue of corporate stock to the amount of $8,562.50 for the purpose of paying the award made to William Kelly, with interest.

A resolution for the purpose of carrying the above recommendation into effect is herewith submitted. Yours very truly,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That, pursuant to the provisions of chapter 224 of the Laws of 1905 and chapter 701 of the Laws of 1910, the Comptroller be and hereby is authorized to issue corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, to the amount of eight thousand five hundred and sixty-two dollars and fifty cents ($8,562.50), in addition to amounts heretofore authorized, the proceeds to the amount of the par value thereof, to be applied to the payment of awards made by the Board of Assessors for damages arising from the change of grade of streets or avenues because of the construction of the bridge over the Gowanus Canal at Hamilton Avenue, in the Borough of Brooklyn, City of New York.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Street Improvement Fund—Establishing a Definite Policy Relative to Authorizing Improvements Chargeable to the Street Improvement Fund (Cal. No. 75).

The Secretary presented a report from the Chief Engineer (No. 14641), calling attention to the necessity of making a definite determination as to the limit to be placed on the value of local improvements to be authorized in 1915, and for allotting to each borough its quota.

The report recommends:

1. That the Board make a definite determination as to the total amount of money to be used for local improvement work during the year 1915.

2. That the amount to be allotted to the Borough of Manhattan be fixed and the balance apportioned among the four other Boroughs as follows:

	Per cent.
Borough of Brooklyn	37
Borough of The Bronx	33
Borough of Queens	28
Borough of Richmond	2

3. That the President of each of the Boroughs be requested to advise the Board as to the particular improvements for which it is essential to grant final authorization in 1915.

(On April 30, 1915, and on May 7, 14, 21 and 28, 1915 (Cal. No. 180), the matter was laid over for one week.)

The matter was again laid over for one week (June 11, 1915).

MATTERS CONSIDERED BY UNANIMOUS CONSENT.

The following matters not on the Calendar for this day were considered by unanimous consent:

Board of Estimate and Apportionment; Bureau of Public Improvements—Authority to Fill Vacancy (No. 76).

(On May 14, 1915, (Cal. No. 118) the request of the Chief Engineer in this matter was referred to the Committee on the Organization of the Board.)

The Secretary presented a communication from the Chief Engineer, dated May 11, 1915, requesting that consent be given to the filling of a vacancy in the position of Draftsman at $1,500 per annum, by the transfer of Rudolph G. Pundt, now employed as Draftsman in the Topographical Bureau, Borough of Queens.

The Acting Chairman of the Committee on the Organization of the Board offered the following resolution:

Resolved, That the Board of Estimate and Apportionment, pursuant to the terms and conditions of Resolution "Second (c)" accompanying the Budget for the year 1915, hereby authorizes the Chief Engineer of the Board to fill a vacant position of Draftsman at $1,500 per annum in schedule 21, by the transfer of Rudolph G. Pundt, now employed in the Topographical Bureau, office of the President, Borough of Queens, at the same rate of compensation.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens, and Acting President of the Borough of Richmond—16.

Department of Parks, Borough of Queens—Issue of Corporate Stock (No. 77).

(On January 29, 1915, (Cal. No. 115-I), the request of the Commissioner of Parks, Borough of Queens, in this matter was referred to the Committee on Corporate Stock Budget.)

The Secretary presented a communication, dated November 20, 1914, from the Commissioner of Parks, Borough of Queens, transmitting an estimate of Corporate Stock requirements for his Department for the years 1915, 1916 and 1917; and the following report of the Committee on Corporate Stock Budget recommending an issue of Corporate Stock in the sum of $8,500 to provide for the construction of groynes and bulkheads and the extension of existing groynes on the Atlantic Ocean side of Seaside Park, which work was included among the items listed in the Commissioner's request:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 4, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On January 29, 1915, you referred to the Committee on Corporate Stock Budget a communication dated November 20, 1914, from the Commissioner of Parks, Borough of Queens, transmitting the corporate stock requirements for his department for the year 1915. One of the items of the request amounting to $55,125 was for engineering work and construction of groynes and bulkheads for the improvement of and protection of the beach front of Seaside Park, Rockaway.

In 1914, there was authorized an issue of $8,000 corporate stock, which was used in constructing groynes in front of the hospital at Seaside Park.

During the past Winter the beach has been very badly eroded and a considerable area of the park land has been washed away. In view of this serious loss of Park area, the Park Commissioner desired to extend the work of constructing groynes for a considerable distance west of the present hospital building.

In order to arrest serious erosion that is now going on west of the hospital site, it is deemed urgent that an additional appropriation be made for the construction of additional groynes, the extension of existing groynes and for the construction of a timber bulkhead in the part adjoining the hospital building.

It is necessary that the sum of $8,500 in corporate stock be authorized for the above work. This is estimated to be sufficient for the construction work and the engineering incidental thereto.

We recommend the adoption of the attached resolution authorizing the issue of eight thousand five hundred dollars $8,500) in corporate stock for the construction of groynes and bulkhead, and the extension of existing groynes on the Atlantic Ocean side of Seaside Park, Borough of Queens. Respectfully,

WM A. PRENDERGAST, Comptroller; O. GRANT ESTERBROOK, Acting President, Board of Aldermen; E. W. VOORHIES, Acting President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Corporate Stock Budget Committee.

On motion, Rule 19 was waived in this matter and the following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of subdivision 11 of section 169 of the Greater New York Charter, as amended, hereby approves of the issue of corporate stock of The City of New York to an amount not exceeding eight thousand five hundred dollars ($8,500) to provide means for the improvement of Seaside Park, Borough of Queens, by the construction of groynes and bulkheads and the extension of existing groynes on the Atlantic Ocean side of the park, under the jurisdiction of the Commissioner of Parks, Borough of Queens, and the Comptroller be and is hereby authorized to issue said corporate stock of The City of New York in the manner provided by section 169 of the Greater New York Charter, maturing not more than ten (10) years after date of issue, the proceeds to the amount of the par value thereof to be applied to the purposes aforesaid; provided, however, that no encumbrance or expenditure by contract shall be made against the proceeds of corporate stock herein authorized, nor shall bids upon such contracts be advertised for, until after approval by the Board of Estimate and Apportionment of the plans, specifications, estimates of cost, and forms of such contracts which shall be submitted to said Board by the Commissioner of Parks, Borough of Queens, nor shall any architect, engineer, expert or departmental employee be engaged or employed as a charge against such proceeds, except after approval by said Board of such employment and of the fee or wage to be paid by preliminary and final contract, voucher or budget schedule which are to be similarly submitted, unless in the case of departmental employees, such employment is in accordance with schedules approved by said Board.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Public Service Commission for the First District—Consent to Proposed Contract With D. C. Serber for the Completion of the Construction and Station Finish of a Part of the Broadway-Fourth Avenue Rapid Transit Railroad (Fourth Avenue Subway) and Issue of Corporate Stock Therefor (No. 78).

The Secretary presented the following requisition of the Public Service Commission for the First District and report of the Comptroller:

State of New York, Public Service Commission for the First District, 154 Nassau Street, New York.

To the Board of Estimate and Apportionment of The City of New York:

The Public Service Commission for the First District herewith transmits to you for your consent, as required by law, a proposed contract between The City of New York and D. C. Serber, for the completion of construction and station finish of a part of the Broadway-Fourth Avenue Rapid Transit Railroad (Fourth Avenue Subway), the location between which said construction and station finish work is to be performed, beginning at the intersection of the center line of Flatbush Avenue Extension with the northerly line of Nassau Street, in the Borough of Brooklyn, and extending thence southerly under Flatbush Avenue Extension, Fulton Street, Ashland Place, Flatbush Avenue and Fourth Avenue, to a point under Fourth Avenue about one hundred and fifty (150) feet south of the southerly line of 42d Street.

The Public Service Commission for the First District requests your Honorable Board to consent to said contract herewith transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the City's obligation under said contract, to wit: the sum of forty thousand six hundred seventy-six and 25-100 dollars ($40,676.25), and also to direct the Comptroller of The City of New York to issue bonds of said City at such a rate of interest as the Commissioners of the Sinking Fund of said City may prescribe for the purpose of providing the necessary means to meet the City's share of executing said contract, to wit, the sum of forty thousand six hundred seventy-six and 25-100 dollars ($40,676.25).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make requisition for the authorization of such corporate stock for the full amount sufficient to pay the entire estimated expense to the City of executing such contract, to wit, the sum of forty thousand six hundred seventy-six and 25-100 dollars ($40,676.25).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission for the First District under date of March 18, 1913, upon your Honorable Board for sixty million dollars ($60,000,000) for the purposes of carrying out the contract dated March 19, 1913, known as Contract No. 4, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation for additional rapid transit railroads, and the appropriation made thereunder by your Honorable Board on March 18, 1913.

In witness whereof the Public Service Commission for the First District has caused its official seal to be hereto affixed and attested by its Secretary, and these presents to be signed by its Acting Chairman this 4th day of June, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by J. SERGEANT CRAM, Acting Chairman.

(Seal.) Attest: TRAVIS H. WHITNEY, Secretary.

INVITATION TO CONTRACTORS.

Completion of Construction and Station Finish of Part of the Broadway-Fourth Avenue Rapid Transit Railroad.

The Public Service Commission for the First District (hereinafter called the "Commission"), acting for and on behalf of The City of New York (hereinafter called the "City"), invites proposals to complete the construction and station finish of the Fourth Avenue Subway, a part of the Broadway-Fourth Avenue Rapid Transit Railroad.

The locations within the City between which the said construction and station finish work is to be performed, are as follows:

Beginning at the intersection of the center line of Flatbush Avenue Extension with the northerly line of Nassau Street, in the Borough of Brooklyn, and extending thence southerly under Flatbush Avenue Extension, Fulton Street, Ashland Place, Flatbush Avenue and Fourth Avenue to a point under Fourth Avenue about one hundred and fifty (150) feet south of the southerly line of Forty-second Street.

The general scope of the work under the contract consists of the reconstruction of certain station finish work now in place and the completing of certain work of construction and station finish of the Railroad which was left uncompleted on account of the construction of a temporary sewer.

The Railroad or a portion thereof may be opened and operated for passenger traffic before the completion of the construction and station finish work. In such event the Contractor must conduct his work so as to avoid interference with the operation of the Railroad and injury to passengers, as provided in the contract.

Bidders must examine the form of contract and the specifications and contract drawings, must visit the location of the work and inform themselves of the conditions along the line of the work and make their own estimates of the facilities and difficulties attending the execution of the work.

A fuller description of the work and other requirements, provisions, details and specifications are given in the form of contract and in the contract drawings therein referred to. Copies of the forms of contract, bond and contractor's proposal and of the contract drawings may be inspected and purchased at the office of the Commission, No. 154 Nassau Street, Borough of Manhattan, New York City. The forms of contract, bond and contractor's proposal and the contract drawings are to be deemed a part of this Invitation.

Partial payments to the Contractor will be made monthly as the work proceeds, as provided in the contract.

The Contractor shall complete all the work within three (3) months from the delivery of the contract, but shall complete the three (3) signal towers, with the exception of the plumbing work, within one (1) month from the delivery of the contract.

At the time of the delivery of the contract the Contractor must furnish security to the City by depositing a bond, cash or securities, in the sum of ten thousand dollars ($10,000). As further security ten per centum (10%) of the amounts certified from time to time to be due to the Contractor will be deducted.

Sealed bids or proposals will be received at the office of the Commission at No. 154 Nassau Street, Borough of Manhattan, City of New York, until the 28th day of May, 1915, at twelve fifteen (12:15) o'clock p. m., at which time and place, or at a later date to be fixed by the Commission, the proposals will be publicly opened.

Proposals must be in the form prescribed by the Commission.

A statement, based upon the estimate of the Chief Engineer of the Commission, of the quantities of the various classes of the work and of the nature and extent as near as practicable of the work is to be found in the schedule in the form of contractor's proposal. The quantities given in such schedule are approximate only, being given as a basis for the uniform comparison of bids, and no claim is to be made against the City on account of any excess or deficiency, absolute or relative, in the same except as provided in the specifications and form of contract.

Every proposal must when submitted be enclosed in a sealed envelope endorsed "*Proposal for Completion of Construction and Station Finish of Part of Rapid Transit Railroad—Fourth Avenue Subway,*" and must be delivered to the Commission or its Secretary; and in the presence of the person submitting the proposal, it will be deposited in a sealed box in which all proposals will be deposited. No proposal will be received unless accompanied by a separate certified check for two thousand five hundred dollars ($2,500) payable to the order of the Comptroller of the City and drawn upon a national or state bank or trust company satisfactory to the Commission and having its principal office in New York City. Such check must not be enclosed in the envelope containing the proposal.

The Unit Prices must not be improperly balanced, and any bid which the Commission considers detrimental to the City's interests may be rejected.

No proposal, after it shall have been deposited with the Commission, will be allowed to be withdrawn for any reason whatever.

The award of the contract will be made by the Commission as soon as practicable after the opening of the proposals.

Deposits made by bidders whose proposals are not accepted will be returned within three (3) days after the contract is executed and delivered and its provisions in respect of the bond or deposit are complied with, unless all proposals shall be rejected, in which event such deposit will be returned within three (3) days after such rejection. The deposit of the successful bidder will be returned when the contract is executed and delivered and its provisions in respect of the bond or deposit are complied with.

The right to reject any and all bids is reserved.

New York, May 11, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT. By EDWARD E. MCCALL, Chairman. TRAVIS H. WHITNEY, Secretary.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT.

Contract for the Completion of Construction and Station Finish of a Part of the Broadway-Fourth Avenue Rapid Transit Railroad, Fourth Avenue Subway.

Approved as to form this day of , 1915.

.....Acting Corporation Counsel.

RAPID TRANSIT RAILROAD.

Contract—Completion of Construction and Station Finish Fourth Avenue Subway.

Agreement made this day of , 1915, between THE CITY OF NEW YORK, hereinafter called the City, acting by the PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, hereinafter called the Commission, party of the first part, and hereinafter called the Contractor, part* of the second part.

Whereas the Commission in behalf of the City by due advertisement, pursuant to law, has invited contractors to submit to the Commission proposals for making this contract; and

Whereas the Contractor has thereupon duly submitted to the Commission a proposal, which has been accepted; and

Whereas the Board of Estimate and Apportionment of the City has consented to this contract;

Now, Therefore, in consideration of the mutual covenants and agreements hereinafter contained, and under the authority of chapter 4 of the laws of 1891 entitled "An Act to provide for Rapid Transit Railways in Cities of over One Million Inhabitants," and of the various acts amending the same, the parties do hereby, the City for itself and its successors, and the Contractor for†

and assigns,

Agree each with the other as follows:

CHAPTER I.

General Provisions and Definitions.

Article I. The Contractor agrees to complete the construction and station finish of the part hereinafer described of a Rapid Transit Railroad with its appurtenances. The City agrees to pay the Contractor the sums of money hereinafter mentioned at the times and in the manner and upon the terms and conditions hereinafer set forth.

Article II. The Railroad to be completed under this contract forms part of a certain route adopted by the Board of Rapid Transit Railroad Commissioners for The City of New York on May 25, 1905, and revised on April 18, 1907, and known as the Manhattan Bridge Route (Revised); part of a certain route adopted by the Board of Rapid Transit Railroad Commissioners for The City of New York on May 25, 1905, and known as the Brooklyn and Manhattan Loop Line or Route No. 9; and part of a certain route adopted by the Board of Rapid Transit Railroad Commissioners for The City of New York on June 1, 1905, and known as the Fourth Avenue Route or Route No. 11. The points between which the said part extends are as follows:

Beginning at the intersection of the center line of Flatbush Avenue Extension with the northerly line of Nassau Street, in the Borough of Brooklyn, and extending thence southerly under Flatbush Avenue Extension, Fulton Street, Ashland Place, Flatbush Avenue and Fourth Avenue to a point under Fourth Avenue about one hundred and fifty (150) feet south of the southerly line of Forty-second Street.

The location, dimensions and other characteristics of the Railroad are given in the

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*Here insert *y* or *ies* as the case may be.

†Here insert, if a corporation, *itself, its successors;* if single individual, *himself, his executors, administrators;* if several individuals, *themselves, jointly and severally, and their and each of their executors, administrators.*

specifications forming a part of this contract and in the contract drawings hereinafte. mentioned.

Article III. This contract is made pursuant to the Rapid Transit Act, which is to be deemed a part hereof as if it were incorporated herein.

Article IV. Titles, headings, subheadings and running headlines are printed hereon merely for convenience and shall not be deemed to be any part of this contract for any purpose whatever.

Article V. The following words and expressions used in this contract shall, except where by the context it is clear that another meaning is intended, be construed as follows:

(1) The word "City" to mean The City of New York and any other corporation or division of government to which the ownership, rights, powers and privileges of The City of New York under the Rapid Transit Act shall hereafter come, belong or appertain.

(2) The word "Commission" to mean the Public Service Commission for the First District and any other board, body, commission, official or officials to which or to whom the powers now belonging to the said Commission in respect of the location, construction, equipment, maintenance and operation of rapid transit railroads under the provisions of the Rapid Transit Act shall, by virtue of any act or acts, hereafter pass or be held to appertain.

(3) The word "Contractor" to mean the part* of the second part of this contract and † and assigns and any and every person or corporation who or which shall at any time be liable in the place or for the part of the second part to perform any obligations under this contract assumed by the said part of the second part. For convenience the Contractor is hereinafter referred to as if the Contractor were an individual. The word "he" shall, as the sense may require, include "she," "it" and "they"; the word "him" shall include "her," "it" and "them"; and the word "his" shall include "her," "its" and "their."

(4) The word "Comptroller" to mean the Comptroller of the City and the officer or board to whom or to which his powers now existing under the Rapid Transit Act shall come to appertain.

(5) The word "Engineer" to mean the Chief Engineer of the Commission or his duly authorized representative and any successor or successors duly appointed or any deputy or substitute for him who shall be appointed by the Commission or by its authority.

(6) The word "Inspector" to mean any representative of the Engineer designated by him to act as inspector.

(7) The words "Rapid Transit Act" to mean chapter 4 of the laws of 1891 as amended by chapters 102 and 556 of the laws of 1892, chapters 528 and 752 of the laws of 1894, chapter 519 of the laws of 1895, chapter 729 of the laws of 1896, chapter 616 of the laws of 1900, chapter 587 of the laws of 1901, chapters 533, 542, 544 and 584 of the laws of 1902, chapters 562 and 564 of the laws of 1904, chapters 599 and 631 of the laws of 1905, chapters 472, 606 and 607 of the laws of 1906, chapters 429 and 534 of the laws of 1907, chapter 472 of the laws of 1908, chapter 498 of the laws of 1909, chapters 205, 504, 505 and 506 of the laws of 1910, chapter 888 of the laws of 1911, chapter 226 of the laws of 1912, chapters 100, 510, 524 and 540 of the laws of 1913 and chapter 118 of the laws of 1914 or as heretofore otherwise amended.

(8) The word "Railroad" to mean the part of a rapid transit railroad which the Contractor agrees by this contract to complete, together with all appurtenances which are to be constructed or provided by the Contractor.

(9) The word "Works" to mean all the matters and things herein agreed to be furnished or done by or on the part of the Contractor.

(10) The words "New York" to mean the City of New York according to its boundaries at the date of this contract.

(11) The words "daily newspaper" to mean any paper regularly published in New York on every day or every day except Sundays and holidays.

(12) The word "notice" to mean a written notice.

(13) The words "directed," "required," "permitted," "ordered," "designated," "prescribed" or words of like import used in the specifications or upon the drawings to mean, respectively, the direction, requirements, permission, order, designation or prescription of the Engineer, and similarly the words "approved," "acceptable," "satisfactory" or words of like import to mean, respectively, approved by or acceptable or satisfactory to the Engineer.

(14) The word "ton" to mean the short ton of two thousand (2,000) pounds.

Article VI. The Contractor hereby designates Room No. on the floor of the building No. in the Borough of in the City of New York as the place where all notices, directions and other communications to the Contractor may be served, mailed or delivered. The delivering at the aforesaid place or depositing in a post-paid wrapper directed to the aforesaid place in any post-office box regularly maintained by the Post-office Department, of any notice, direction or other communication to the Contractor shall be deemed to be sufficient service thereof upon the Contractor as of the date of such delivery or deposit. Such address may be changed at any time by an instrument in writing executed and acknowledged by the Contractor and delivered to the Commission. Nothing herein contained shall be deemed to preclude or render inoperative the service of any notice, direction or other communication upon the Contractor personally or, if the Contractor be a corporation, upon any officer or director thereof.

Article VII. If the Contractor shall cause any part of this contract to be performed by a sub-contractor, the provisions of this contract shall apply to such sub-contractor and his officers, agents and employees in all respects as if he and they were employees of the Contractor; and the Contractor shall not be in any manner thereby discharged from his obligations and liabilities hereunder, but shall be liable hereunder for all acts and negligence of the sub-contractor, his officers, agents and employees as if they were employees of the Contractor. The employees of the sub-contractor shall be subject to the same provisions hereof as employees of the Contractor; and the work and materials furnished by the sub-contractor shall be subject to the provisions hereof as if furnished directly by the Contractor.

Article VIII. The Contractor, before making any sub-contract of the work, shall state in writing to the Commission the name of the proposed sub-contractor, the portion of the work which such sub-contractor is to do or the materials which such sub-contractor is to finish, the place of business of such sub-contractor, and such other information as the Commission may require. The Commission shall have the right to require the Contractor not to award any sub-contract to a person, firm or corporation disapproved by the Commission.

CHAPTER II.

Work to be Done, Prices, Etc.

Article IX. The Contractor shall furnish all the labor and materials, plant, power, tools, supplies and other means of construction necessary or proper for completing the construction and station finish of the Railroad and performing all the work which the Contractor agrees by this contract to perform in the manner and within the time hereinafter specified. He shall complete the construction and station finish of the Railroad and do all work and furnish all labor and materials in and about the completion of construction and station finish of the Railroad to the satisfaction of the Commission and in accordance with this contract and the specifications and drawings herein mentioned at the prices herein agreed upon and fixed therefor; provided, however, that said contract drawings may from time to time be altered or modified as hereinafter provided.

Article X. In order to complete the construction and station finish of the Railroad, the Contractor will be required to do various work as outlined in Subdivision 1 of the Specifications and to perform any other work necessary to put the Railroad in condition for operation which may be required by the Engineer.

All such work of every description that may be required to complete the construction and station finish of the Railroad is part of the work which is included in this contract and which the Contractor agrees to perform for the prices herein agreed upon

Article XI. The City will pay and the Contractor shall receive, in full compensation for completing the construction and station finish of the Railroad (including all incidental work) and for performing and completing the Works and for all expense in connection therewith or incidental thereto, including the furnishing of all labor, materials, plant, power, tools, supplies and other means of construction and including administration, superintendence and insurance, and for all loss or damage arising out of the nature of the work aforesaid or from the action of the elements or from any unforeseen obstruction or difficulty encountered in the prosecution of the work, and for all risks of any description connected with the work, and for all expenses incurred by or in consequence of the suspension or discontinuance of the work as herein specified, the prices contained in the Schedule of Unit Prices following:

Schedule of Unit Prices.

Item 6. For concrete masonry, in place, the sum of dollars ($) per cubic yard.

Item 9. For common brick masonry, in place, the sum of dollars ($) per cubic yard.

Item 9-D. For the removal and disposal of old masonry of whatever kind, the sum of dollars ($) per cubic yard.

Item 10. For hollow terra cotta brick or tile masonry of any thickness, in place, the sum of dollars ($) per cubic yard.

Item 11-A. For resurfacing concrete masonry with neat Portland cement mortar, the sum of dollars ($) per square yard.

Item 18. For tunnel ducts, in place, the sum of dollars ($) per duct foot.

Item 19. For riveted steel, painted and erected, the sum of dollars ($) per ton.

Item 20. For steel beams and shapes with or without connections, painted and erected, the sum of dollars ($) per ton.

Item 21. For steel rods and bars built in concrete, the sum dollars ($) per ton.

Item 26. For special wire forms, in place, the sum of dollars ($) per pound.

Item 27-B. For one and three-fourths (1¾) inch seasoned oak or ash hand-rail, in place, including finishing, oiling and connections, the sum of dollars ($) per lineal foot of rail.

Item 501. For white glazed tile three (3) inches by six (6) inches, in place, as follows:

(*a*) For straight, the sum of dollars ($) per square foot.

(*c*) For two and one-half (2½) inch radius (combination), the sum of dollars ($) per square foot.

Item 504. For white glazed tile three (3) inches by nine (9) inches and six (6) inches by nine (9) inches, in place, as follows:

(*a*) For straight, the sum of dollars ($) per square foot.

(*c*) For two and one-half (2½) inch radius (combination), the sum of dollars ($) per square foot.

Item 509. For white glazed tile bead, in place, as follows:

(*b*) For two (2) inch radius bead, the sum of dollars ($) per lineal foot.

Item 512. For special tile and mosaic, in place, as follows:

(*a*) For white mosaic tile, the sum of dollars ($) per square foot.

Item 513. For mosaic and tile bands, in colors, in place, the sum of dollars ($) per square foot.

Item 514. For mosaic and tile name tablets, in colors, in place, the sum of dollars ($) per square foot.

Item 520. For marble lintels, etc., in place, as follows:

(*x*) For removing and resetting lintels, the sum of dollars ($) each.

Item 521. For plastering on arched surfaces, in place, as follows:

(*d*) For plastering on brick or hollow tile, including Keene's cement finish, the sum of dollars ($) per square yard.

(*e*) For plastering on concrete, including Keene's cement finish, the sum of dollars ($) per square yard.

Item 522. For plastering on flat surfaces, in place, as follows:

(*d*) For plastering on brick or hollow tile, including Keene's cement finish, the sum of dollars ($) per square yard.

(*e*) For plastering on concrete, including Keene's cement finish, the sum of dollars ($) per square yard.

Item 523. For cement work, in place, as follows:

(*a*) For wainscot or base (without cove), the sum of dollars ($) per square foot.

(*b*) For cove, the sum of dollars ($) per lineal foot.

(*c*) For three (3) inch floor finish, the sum of dollars ($) per square foot.

Item 526. For concrete stairs, stair landings, etc., in place, as follows:

(*a*) For self-supporting stairs, the sum of dollars ($) per lineal foot of tread.

(*b*) For self-supporting stair landings, the sum of dollars ($) per square foot.

(*f*) For non-slip treads, the sum of dollars ($) per square foot.

(*h*) For cement finish on exposed sides of stairs and landings, the sum of dollars ($) per lineal foot.

(*j*) For removing old non-slip treads and replacing the same with new treads, the sum of dollars ($) per square foot.

Item 530. For ticket booths, in place, as follows:

(*o*) For type "P," the sum of dollars ($) each.

(*p*) For type "Q," the sum of dollars ($) each.

Item 532. For doors, in place, as follows:

(*d*) For type "D," the sum of dollars ($) each.

(*m*) For type "M," the sum of dollars ($) each.

(*p*) For single doors to toilet stalls, the sum of dollars ($) each.

(*q*) For removing and resetting doors and door frames, the sum of dollars ($) each.

Item 533. For windows, except for ticket booths, in place, as follows:

(*a*) For double-hung windows, the sum of dollars ($) per square foot.

(*g*) For hinged sash, the sum of dollars ($) per square foot.

Item 534. For additional hardware, in place, as follows:

(*b*) For door stops, the sum of dollars ($) each.

(*c*) For rubber-covered chains, the sum of dollars ($) each.

Item 536. For railings, in place, as follows:

(*g*) For pipe, the sum of dollars ($) per lineal foot.

(*h*) For guard rail at surface of street, the sum of dollars ($) per lineal foot.

(*x*) For removal of existing railings and for furnishing and installing new railings, the lump sum of dollars ($).

Item 537. For gates, posts and appurtenances, in place, as follows:

(*a*) For low, sliding gates, the sum of dollars ($) per lineal foot.

(*h*) For additional cast-iron floor boxes, the sum of dollars ($) ecah.

(*l*) For one and one-fourth (1¼) inch galvanized wrought-iron pipe for gate ropes, the sum of dollars ($) per lineal foot.

(*m*) For one (1) inch square steel tubing for gate ropes, the sum of dollars ($) per lineal foot.

(*n*) For cast-iron fittings for one (1) inch square steel tubing, the sum of dollars ($) per pound.

(*p*) For cast-iron gate posts with cross frame, etc., the sum of dollars ($) per pair.

(*q*) For additional high posts, the sum of dollars ($) each.

Item 540. For sign posts, brackets, frames, etc., in place, as follows:

(*f*) For enameled reflectors and frames on walls of station approaches, the sum of dollars ($) per lineal foot.

(*g*) For enameled sign plates, the sum of dollars ($) per square foot.

(*h*) For copper letters for signs, the sum of dollars ($) per vertical inch of letter.

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*Here and in like blanks hereafter insert *y* or *ies*, as the case may be.

†Here insert, as the case may be, either *its successors* or *his executors, administrators*, or *their executors, administrators*.

(*i*) For polished plate wire glass panels over stairways, the sum of dollars ($) per square foot.

(*j*) For placing old ornamental lamps on posts of existing street railings, the sum of dollars ($) per lamp.

Item 543. For steel ladders, platforms, etc., in place, as follows:

(*a*) For steel ladders, the sum of dollars ($) per lineal foot of tread.

(*b*) For steel ladder platforms, the sum of dollars ($) per square foot.

(*g*) For ladders from track floor to platforms, the sum of dollars ($) each.

Item 544. For oak hand rails in stations, in place, as follows:

(*a*) For furnishing and placing new hand rail, the sum of dollars ($) per lineal foot.

(*b*) For placing old hand rail, the sum of dollars ($) per lineal foot.

Item 546. For platform edge construction, in place, as follows:

(*a*) For non-slip treads, including wood base, the sum of dollars ($) per square foot.

Item 547. For rough plumbing work complete, in place, as follows:

(*b*) For the three (3) signal towers, the lump sum of dollars ($).

Item 548. For plumbing fixtures, in place, as follows:

(*a*) For water closet bowls, the sum of dollars ($) each.

(*c*) For lavatories in enclosures between stations, the sum of dollars ($) each.

(*i*) For marine water closet bowls, the sum of dollars ($) each.

Item 550. For soapstone partitions and shelves, in place, as follows:

(*h*) For soapstone pipe chamber partitions, the sum of dollars ($) per square foot.

(*i*) For soapstone shelves, the sum of dollars ($) per square foot.

(*j*) For soapstone stall partitions, the sum of dollars ($) per square foot.

Item 552. For steel angles, plates or other material for supporting soapstone in toilets, in place, the sum of dollars ($) per pound.

Item 554. For wrought-iron or steel electric conduits, in place, as follows:

(*a*) For three-fourths (¾) inch, the sum of dollars ($) per lineal foot.

(*b*) For one (1) inch, the sum of dollars ($) per lineal foot.

(*g*) For three-fourths (¾) inch flexible conduit, the sum of dollars ($) per lineal foot.

(*h*) For two and one-half (2½) inch galvanized wrought-iron pipe ferrules, the sum of dollars ($) each.

Item 556. For cast-iron pull boxes, in place, as follows:

(a) For 6-inch by 6-inch by 6-inch boxes, the sum of dollars ($) each.

Item 560. For asbestos work, in place, as follows:

(*b*) For asbestos lumber boxes in signal towers, the lump sum of dollars ($).

Item 561. For painting iron, steel, plaster, etc., as follows:

(*d*) For painting letters and numerals, the sum of dollars ($) each.

(*e*) For painting existing steel, iron and woodwork, as required by Sections Nos. 210 and 211, the lump sum of dollars ($).

Quantities.

Article XII. In case any work or materials shall be required to be done or furnished in or about the Works which it is elsewhere in this contract expressly provided shall be paid for under this Article, or in case any work or materials shall be required to be done or furnished in or about the Works which are not contemplated, mentioned, specified or indicated or otherwise provided for in this contract or in the specifications forming a part of this contract or in or upon the contract drawings and which in the opinion of the Engineer are not susceptible of classification under the Items of the Schedule of Unit Prices, the Contractor shall if ordered by the Engineer do and perform such work and furnish such materials at and for the actual and necessary net cost in money to the Contractor for labor, for insurance upon such labor under the Workmen's Compensation Law and for materials incorporated in the work and in addition thereto ten per centum (10%) of such net cost, and the Contractor shall have no claim in excess of the above, such payment being in full compensation for the performance of such work and the furnishing of such materials and for all expense in connection therewith or incidental thereto, as aforesaid, including the expense of plant, power, tools, supplies and other means of construction, administration, superintendence and insurance, and for all the loss, damage, risks and expenses hereinbefore in Article XI mentioned. The amount of the insurance upon such labor under the Workmen's Compensation Law shall be determined by the amount of the wages actually and necessarily paid for such labor and the rate of insurance for such labor either in the State Insurance Fund or in any stock corporation or mutual association authorized to transact the business of workmen's compensation insurance in this State, as the case may be. If the Contractor shall not have insured either in such State Insurance Fund or in any such stock corporation or mutual association, the rate allowed will be the rate which he would have been required to pay for such insurance in the State Insurance Fund had he insured therein. Payment shall not be made under this Article for any such work or materials which are so required to be done or furnished in or about the Works and which are not contemplated, mentioned, specified or indicated or otherwise provided for in this contract or in the specifications forming a part of this contract or in or upon the contract drawings so far as such work or materials may be, in the opinion of the Engineer, susceptible of classification under the Items of the Schedule of Unit Prices, which work or materials shall be paid for in part or in whole, as the case may be, at the unit prices given in the Items of the Schedule.

In case any work or materials shall be required to be done or furnished under the provisions of this Article, for cost plus ten per centum (10%), the Contractor shall at the end of each day furnish to the Engineer daily time slips showing the name and number of each workman employed on such work, the number of hours employed thereon, the character of work he is doing and the wages paid or to be paid to him and also a daily memorandum of such materials furnished, showing the amount and character of such materials, from whom purchased and the amount paid or to be paid therefor. If required by the Engineer or the Commission, the Contractor shall produce any books, vouchers, records and memoranda showing the labor and materials actually paid for and the actual prices therefor. Such daily time slips and memoranda shall not, however, be binding upon the City and if any question or dispute shall arise as to the correct cost of such labor or materials, the determination of the Engineer upon such question or dispute shall be final and conclusive.

Instead of the method above described in this Article for paying for any such work or materials to be paid for under this Article, the Engineer may, but only with the approval of the Commission, agree with the Contractor upon unit prices or a lump sum price for such work and materials. Such additional unit prices or such lump sum price shall be embodied in a supplemental schedule which shall be deemed to be a part of this contract in all respects as if such additional unit prices or such lump sum price had been originally a part of the Schedule of Unit Prices contained in this contract.

Article XIII. The quantities of the various classes of work to be done and materials to be furnished under this contract specified in the Contractor's Proposal are approximate and only for the purpose of comparing on a uniform basis the bids offered for the Works; and neither the City nor the Commission nor any member of the Commission is to be held responsible that any of the said estimated quantities shall be found even approximately correct in the construction of the Works; and the Contractor shall make no claim for damages or for anticipated profit or for loss of profit because of a difference between the quantities of the various classes of work actually done or materials actually delivered and the estimated quantities of items stated in the Contractor's Proposal or because of the entire omission of any of the quantities of items stated in the Contractor's Proposal.

Drawings May Be Changed.

Article XIV. The Commission shall have the right, during the progress of the work, to amplify the drawings, to add explanatory specifications and to furnish additional specifications and drawings.

Article XV. The Commission further reserves the right to alter, in any way it may deem necessary for the public interests, the drawings aforesaid, in part or altogether, at any time during the progress of the work, without constituting grounds for any claim by the Contractor for payment or allowance for damages or extra service other than is provided for items of the different classes of construction under the Items of the Schedule or in Article XII.

Article XVI. The Contractor shall complete the entire work to the satisfaction of the Commission and in accordance with the specifications and contract drawings and according to the other provisions of this contract and within the time specified in this contract in the most workmanlike manner and with the highest regard to the safety of life and property and according to the lines, levels and directions given by the Engineer.

Article XVII. The Contractor shall furnish of the best description all labor and materials, plant, tools, supplies and other means of construction necessary to construct and put in complete working order all work covered by the specifications, contract drawings and provisions of this contract, including all additional specifications, drawings and details issued or required as herein provided.

Inspection.

Article XVIII. The Contractor hereby represents that prior to the execution of this contract he has examined in detail at the site the locations mentioned herein and indicated on the contract drawings and that he has fully examined the contract drawings and has read each and every clause and section of this contract and of the specifications and has had full opportunity to consider the same and make necessary investigations relating thereto, and he shall not make any claim for, or have any right to, damages or an extension of time for completion of the Works or any other concession because of any misinterpretation or misunderstanding of this contract or of the specifications or of the contract drawings or because of any lack of information.

Article XIX. No acceptance of any part of the Works or of materials therefor shall relieve the Contractor of his obligation to furnish sound materials and perform sound work, whether with respect to such part or to any other part of the Works.

Article XX. The Commission contemplates, and the Contractor hereby approves, the most thorough and minute inspection by the Commission and its Engineer and by their representatives or subordinates of all work and materials and of the manufacture or preparation of such materials from the beginning of construction to the final completion of the Works. It is the intention of the Commission that its Engineer shall draw the attention of the Contractor to all defects in workmanship or materials or other errors or variations from the requirements of this contract. But no omission on the part of the Commission or its Engineer or any officer, member or subordinate of the Commission to point out such defects, errors or variations shall give the Contractor any right or claim against the City, or shall in any way relieve the Contractor from his obligations according to the terms of this contract.

Article XXI. The Contractor shall at all times give to the Commission and its members, to the Engineer and his assistants and subordinates and to any person designated by the Commission or its Chairman all facilities, whether necessary or convenient, for inspecting the materials to be furnished and the work to be done under this contract. The members of the Commission, the Engineer and all employees of the Commission bearing his authorization or the authorization of the Commission or its Chairman shall be admitted at any time summarily and without delay to any part of the Works or to inspection of materials at any place or stage of their manufacture, preparation, shipment or delivery.

Article XXII. The Engineer shall be furnished with every reasonable facility for ascertaining whether the work is in accordance with the requirements and intention of this contract, even to the extent of uncovering or taking down portions of finished work. Should the work thus exposed or examined prove satisfactory, the uncovering or taking down and the replacing of the covering or the making good of the parts removed shall be paid for at the contract prices for the class of work done; but should the work exposed or examined prove unsatisfactory, such uncovering, taking down, replacing and making good shall be at the expense of the Contractor.

Article XXIII. The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill this contract as herein prescribed, and defective work shall be made good and unsuitable materials will be rejected notwithstanding that such work and materials have been accepted or estimated for payment. If the work or any part thereof shall be found defective before the final acceptance of the whole work, the Contractor shall at his own expense forthwith make good such defect in a manner satisfactory to the Engineer, and if any material brought upon the ground for use in the work or selected for the same shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall at his own expense forthwith remove such material.

Engineer to Determine.

Article XXIV. To prevent disputes and litigations, the Engineer shall in all cases determine the classification, amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for under this contract, shall determine every question in relation to the Works and the construction thereof and shall determine every question which may arise relative to the fulfillment of this contract on the part of the Contractor. His determination and estimate shall be final and conclusive upon the Contractor, and in case any question touching this contract shall arise between the parties hereto, such determination and estimate shall be a condition precedent to the right of the Contractor to receive any money under this contract.

Article XXV. The Engineer shall make all necessary explanations as to the meaning and intention of the specifications, shall give all orders and directions contemplated therein or thereby and in every case in which a difficult or unforeseen condition shall arise in the performance of the work required by this contract.

The Contractor shall promptly obey and follow eevry direction which shall be given by the Engineer, including any direction which the Engineer shall give by way of withdrawals, modification or reversal of any previous direction given by him.

During the progress of the work it will be necessary for other contractors and persons to do work in or about the construction or equipment of the Railroad. The Contractor shall afford to such other contractors or persons such facilities as the Engineer may require and shall so conduct his work as not to impede or interfere with the work of such other contractors or persons and shall so arrange and conduct his work that such other contractors and persons may complete their work and the Railroad be put into operation at the earliest possible date.

Wherever any work performed or to be performed by the Contractor under this contract shall adjoin or affect any work performed or to be performed by any other contractor or contractors of the Commission, the Engineer shall decide any question or dispute between the Contractor and such other contractor or contractors and shall determine the manner, time and method in which they shall perform their respective work and the facilities which each shall afford to the other or others.

Wherever any work performed or to be performed by the Contractor under this contract shall adjoin or affect any work performed or to be performed by the New York Municipal Railway Corporation, its successors or assigns, or any contractor or contractors of the New York Municipal Railway Corporation, its successors or assigns, in connection with the equipment of the Railroad, the Engineer shall determine the manner, time and method in which the Contractor shall perform his work and the facilities which he shall afford to the New York Municipal Railway Corporation, its successors or assigns, or such other contractor or contractors.

The Railroad or a portion thereof may also be put into operation before the completion of the work to be performed under this contract, but the portion of the east track formerly occupied by a temporary sewer will not be operated prior to the time herein prescribed for completion of construction and station finish adjacent to this track. In the event of such operation the Contractor shall conduct his work in such manner and at such times and with such precautions as may be necessary for the purpose of avoiding interference with or interruption of the safe and continuous operation of trains in the Railroad and of avoiding injury to passengers or other persons in the Railroad, and the Contractor shall comply with all requirements imposed by the Engineer for that purpose and shall also comply with all reasonable requirements of the New York Consolidated Railroad Company, its successors or assigns, or other lessee or operator of the Railroad.

It is understood that the Contractor has made allowance in the prices stipulated in the Schedule of Unit Prices for all expense, loss, risk and damage due to the work of other contractors in the construction of the Railroad, installing tracks therein, equipping the Railroad, and for all expense, loss, risk and damage due to the operation of the Railroad.

Article XXVI. Any engineer substituted by the Commission in place of the Chief Engineer during the absence, illness or disability of the Chief Engineer or when the Commission shall so determine shall, during his official connecton, have all the power and authority of the Chief Engineer and in all respects be recognized as such Chief Engineer.

CHAPTER III.

Specifications.

Section No. 1. The specifications and contract drawings hereinafter mentioned, taken in connection with the other provisions of this contract, are intended by the Commission to be full and comprehensive, and to show all the work required to be done. But in a work of this character it is impossible either in advance to show all details or precisely to forecast all exigencies. The specifications and contract drawings are to be taken, therefore, as indicating the amount of work, its nature and the method of construction so far as the same are now distinctly apprehended. The Railroad is to be completed for actual use and operation as an intraurban railroad of the highest class adapted to the necessities of the people of New York, in the best manner, according to the best rules and usages of railroad construction, and in the event of any doubt as to the meaning of any portion of the specifications or of the contract drawings or of the text of this contract, the same shall be interpreted as calling for the best construction, both as to materials and workmanship, capable of being supplied or applied. All the clauses of the specifications and all the parts of the contract drawings are, therefore, to be understood, construed and interpreted as intended to produce the results hereinbefore stated.

Section No. 2. The Contractor shall complete the construction and station finish of the Railroad strictly in accordance with the requirements of these specifications; if in these specifications or this contract or on the contract drawings any matter or thing requisite be not contemplated, mentioned, specified or indicated or otherwise provided for, nevertheless the same is deemed to be included and the Contractor shall do the same as part of the work hereunder at the unit prices for each class of work where in the opinion of the Engineer applicable or as provided in Article XII.

Section No. 3. The contract drawings referred to in this contract and these specifications are each countersigned by the Engineer, stamped with the seal of the Commission and, except typical drawings hereinbelow designated, bear the general title:

Fourth Avenue Subway, Contract Drawing No.....

—and are designated or numbered as follows: C-1, C-2, F-501 to F-509 inclusive, and are dated April 28, 1915, and the following typical drawings which are all countersigned by the Engineer, stamped with the seal of the Commission and bear the general title:

Contract Drawing No.....

—and are designated or numbered as follows: F-586 to F-592, inclusive, and are dated April 28, 1915.

Section No. 4. The sections and dimensions shown on the contract drawings are typical sections and dimensions which should be applicable to the greater part of the work. Working drawings to amplify the contract will be furnished by the Engineer to the Contractor, from which the shop drawings shall be made by him. These working drawings will be given to the Contractor, upon his request, at any time after this contract is delivered. Where, however, changes are deemed necessary they may be ordered under Article XV of this contract and the Engineer shall issue such drawings and specifications as may be necessary.

Section No. 5. Detail construction drawings of the existing Railroad structure may be seen at the office of the Engineer. They are exhibited to the Contractor without any guarantee on the part of the Commission as to their completeness or correctness. The Contractor may have copies (blue-prints) of these detail construction drawings for such aid, if any, as may be derived from them, on the payment of the cost of blue-printing.

If in the prosecution of the work difficulties of any nature be encountered which are not indicated or suggested by the detail construction drawings or if in any other way such detail construction drawings be found erroneous, incomplete or misleading, the Contractor shall take every necessary or proper precaution to overcome the unforeseen difficulty according to the direction of the Engineer and as provided in this contract and these specifications.

Section No. 6. The specifications do not include all requirements, but are requirements in addition to those elsewhere given or provided in this contract. The specifications and the other provisions of this contract and the contract drawings are intended to be explanatory of one another. Should, however, any discrepancy appear or any misunderstanding arise as to the import of anything contained in either, the explanation or decision of the Engineer shall be final and conclusive.

Section No. 7. These specifications are grouped in subdivisions as follows:

1. Brief Description of the Work.
2. General Clauses.
3. Cement.
4. Mortar.
5. Concrete.
6. Brick Masonry.
7. Steel and Iron.
8. Tunnel Ducts.
9. Hand-Rails.
10. Tile and Mosaic.
11. Plastering.
12. Cement Floors, Wainscot, Bases and Coves.
13. Concrete Stairs and Stair Landings.
14. Hollow Metal and Metal Covered Woodwork.
15. Hardware.
16. Ornamental Iron and Steel Work.
17. Plumbing and Drainage.
18. Plumbing Fixtures.
19. Soapstone and Fittings in Toilets.
20. Electric Work.
21. Painting.
22. Special Matters.

SUBDIVISION 1.

Brief Description of the Work.

Section No. 8. The Railroad is an underground railroad or subway. The work to be performed under this contract consists of the completion of the east platform of Pacific Street station and of the duct bench, which were left uncompleted when a temporary sewer was built in the east track of the Railroad; the construction of signal towers at Gold Street and DeKalb Avenue stations and an addition to the existing signal tower at Pacific Street station, with necessary plumbing work in all three signal towers; the installation of new ticket booths and railings and the reconstruction of existing railings at Gold Street, Union Street, 9th Street, Prospect Avenue and 25th Street stations; the installation of steel ladders from platforms to track floor at all stations; the repainting of existing steel, iron and wood work; the putting in place of ornamental lamps now stored in the stations; the replacing of broken glass panels in illuminated signs over stairways with new glass panels; the completion and renewal of station finish work at Pacific Street station and elsewhere as required; and the performance of such other construction and station finish work upon the existing subway structure as may be directed by the Engineer. The general details of construction and station finish are indicated more particularly on the contract drawings.

In connection with the completion of construction and station finish of the Railroad, it will be necessary to furnish and install Tunnel ducts, hand rails, tile and mosaic, plastering, cement floors, wainscot, bases and coves, concrete stairs and stair landings, hollow metal and metal-covered wood work, hardware, structural and ornamental iron and steel work, plumbing and drainage work, plumbing fixtures, soapstone and fittings in toilets, electric work and painting, and to restore street surfaces which may have been disturbed.

SUBDIVISION 2.

General Clauses.

Section No. 9. All materials and workmanship must be of the best class in every respect, and the Engineer shall be the sole judge of their quality and efficiency.

Section No. 10. All the work shall be prosecuted in the manner, according to local conditions, best calculated to promote rapidity in construction, to secure safety to life and property and to reduce to the minimum any interference with the public travel. Night work shall be conducted in accordance with the directions of the Engineer, and the Engineer may, if in his judgment conditions so require, direct that night work be omitted.

Section No. 11. The Railroad forms part of an extensive rapid transit railroad system, which the interests of the City imperatively require shall be completed and put into operation without delay. If the Contractor shall not prosecute his work in such manner as to make it probable in the judgment of the Engineer that the work will be completed within the time limited, the Contractor, if directed by the Commission, shall increase the number of shifts and the number of men in each shift to such extent as may be necessary to insure the completion of the work within the time required by this contract or within the shortest possible time thereafter.

In case of emergencies, continuous work with an increased force may be ordered by the Engineer for such time as may be necessary.

No work shall be begun until the Commission shall issue to the Contractor a permit authorizing him to proceed. The permits shall be in such form and shall cover such portions of the work as the Commission shall prescribe.

Section No. 12. At least forty-eight (48) hours before commencing work on any part of the Railroad the Contractor shall give notice in writing to the Engineer of his intention to commence such operations; and at least forty-eight (48) hours before commencing or resuming manufacture of any article called for by these specifications the Contractor shall give notice in writing to the Engineer of his intention to commence or resume such manufacture, with the name and address of the maker and the amount and description of the material to be manufactured.

Section No. 13. In all operations connected with the Works, all ordinances of the City and of the Board of Health and all laws of this State which are applicable to and control or limit in any way the actions of those engaged in the work or affecting the materials belonging to them shall be respected and strictly complied with, and the Contractor shall further strictly comply with all applicable Federal, State and Municipal regulations regarding the transportation of materials in and around the City and Harbor of New York.

Section No. 14. The Contractor shall at his own cost provide for the water supply necessary for his work and he shall bear the cost of any inspection charge in connection therewith.

Structural and other material to be used in the work may be stored in such locations and for such periods as may be approved by the Engineer.

In any case material may be stored only with the approval of the Engineer, revocable at any time; and if so ordered, such material shall be removed immediately by the Contractor at his own expense on receipt of the order, or within a period of time to be therein stated.

Section No. 15. Wherever the work is being carried on free access must be given to every fire hydrant and fire alarm box, to the satisfaction of the Chief of the Fire Department. Materials must not be piled at any time or place within ten (10) feet of any fire hydrant or fire alarm box; and where materials are unavoidably piled or placed in the vicinity of a fire hydrant or fire alarm box and to such height as to prevent the same from being readily seen, the position of such hydrant or fire alarm box shall be indicated by suitable signals, both day and night.

The Contractor shall at his own expense guard, maintain and protect the existing wires, cables, ducts, manholes, posts and poles of the Fire Department. He shall not cause the interruption of the existing Fire Department Fire Alarm Telegraph service. No Fire Department wire, cable, duct, manhole, post or pole shall be disturbed except in the presence of a representative of the Bureau of Fire Alarm Telegraph. In case any such wire, cable, duct, manhole, post or pole shall be disturbed, it shall be restored to its original condition by the Contractor at his own expense.

Section No. 16. The Contractor shall at his own expense keep the work, streets and all public places occupied by him clear of all refuse and rubbish that may accumulate from any source whatever and leave them in a neat condition; but this is in no way to be construed as placing upon the Contractor the usual duties of the Street Cleaning Department.

Waste material of any character will under no conditions be permitted to remain on the streets, but must immediately on its becoming unfit for use in the work be carted away and disposed of by the Contractor at his own expense as hereinbefore provided; nor shall such materials be allowed to accumulate in the Railroad.

Section. No. 17. Necessary conveniences, properly secluded from public observation, shall be constructed and maintained by the Contractor at his own expense wherever needed for the use of his employees to the satisfaction of the Engineer and the sanitary authorities.

The using of fences and buildings for advertising purposes, other than the name and address of the Contractor, is forbidden; all temporary buildings and fences erected by the Contractor shall be neat in appearance and shall be painted as directed by the Engineer.

Barricades and bridges shall be erected by the Contractor at his own cost, for the protection of the work or use of the public; they shall be substantial in character and neat in appearance.

Section No. 18. The Engineer will prepare and furnish to the Contractor, from time to time as aforesaid, drawings amplifying such details of the contract drawings as may be necessary. These drawings must be strictly followed, unless local conditions should develop during construction, suggesting changes, when, with the approval of the Engineer, such changes may be permitted.

Section No. 19. The Contractor shall make all working or shop drawings which may be required in addition to the contract drawings or in addition to such other drawings as the Engineer may issue in amplification of such contract drawings, as explained above. All working or shop drawings shall be submitted in duplicate to the Engineer for his approval, which approval, if given, shall be indicated by his countersigning one set of such working or shop drawings and returning the same to the Contractor. Should the working or shop drawings be not approved by the Engineer, then the Engineer shall return one set of such working or shop drawings, with the necessary corrections and changes indicated thereon; and the Contractor much make such corrections and changes, and again submit drawings in duplicate for the approval of the Engineer; and no work called for by said working or shop drawings shall be done until the approval of the Engineer is obtained, which must be given or refused within five (5) working days after delivery to him at his office of such drawings in duplicate. Immediately upon final approval of such working or shop drawings by the Engineer, the Contractor shall furnish the Commission with five (5) additional copies of such approved drawings.

Section No. 20. During the progress of the work the Engineer will give to the Contractor suitable points, marks or benches, indicating the location and position of the various parts of the work. The marks given by the Engineer shall be carefully preserved by the Contractor, who shall give to the Engineer all necessary assistance and facilities for establishing benches and plugs and for making measurements.

Section No. 21. Orders and directions may be given orally by the Engineer to, and shall be received and promptly obeyed by, the Contractor or his representative or any superintendent, overseer or foreman of the Contractor who may have charge of the particular work in relation to which the orders or directions are given, and a confirmation in writing of such orders or directions will be given to the Contractor by the Engineer if so requested. The Contractor or his duly authorized representative shall be present at all times on the work to receive orders and directions from the Engineer.

Section No. 22. Any imperfect construction which may be discovered before the final acceptance of the work shall be corrected immediately on the requirement of the Engineer and at the Contractor's expense, notwithstanding that it may have been overlooked by the Inspector.

All work of whatever kind which during its progress and before its final acceptance shall become damaged from any cause shall be broken up or removed and shall be replaced by good and sound work at the Contractor's expense.

If any material brought on the ground for use in the work or selected for the same shall be condemned by the Engineer as unsuitable or not in conformity with the specifications, the Contractor shall forthwith remove such material at his own expense.

Section No. 23. The Contractor shall employ only competent, skillful and faithful men to do the work. Whenever the Engineer shall notify the Contractor in writing that in his opinion any man on the work is incompetent, unfaithful or disorderly, such man shall be discharged from the work and shall not again be employed on it.

Section No. 24. Generally, the Contractor will be permitted to conduct his work in the most expeditious manner possible, having due regard for the safety of persons and property and facilities for traffic and under such instructions as the Engineer may give from time to time.

All carts, buckets and other vehicles used by the Contractor for the transporta-

tion of material shall be tight and so arranged and so loaded as not to spill. Whenever a cart, bucket or other vehicle so used is leaky or unsuitable, it shall be immediately withdrawn from the work on notification by the Engineer.

Special care shall be taken to avoid damage wherever excavation is being done. The width of excavations shall not exceed the width actually necessary in the opinion of the Engineer for the proper prosecution of the work. The sides of excavations shall be secured against slips by suitable sheet-piling or sheeting held in place by braces, shores or waling timbers, special precautions being taken where there is additional pressure due to the presence of buildings or other structures.

Wherever backfilling is necessary it shall be done with sand, gravel or other good, clean earth free from perishable material and from stones exceeding six (6) inches in diameter, and not containing in any place a proportion exceeding one (1) part of stone to five (5) parts of earth. Backfilling shall be compacted by flooding with water or by ramming in layers not exceeding six (6) inches in depth, as required by the Engineer. Backfilling with frozen earth or over frozen material will not be permitted. Sheeting and other timber supporting the sides of excavations shall be withdrawn as the work of backfilling proceeds unless the Engineer shall require the sheeting to be left in place.

Street surfaces disturbed shall be restored to a condition equally as good as that existing before excavation was begun, and in the manner directed by the Engineer.

Payment for all excavation, backfilling and restoration of street surfaces, except in connection with installing rough plumbing work, will be made as provided in Article XII.

SUBDIVISION 3.
Cement.

Section No. 25. All cement used in the work, unless otherwise specified, shall be true Portland cement, by which is meant the finely pulverized product resulting from the calcination to incipient fusion of a properly proportioned intimate mixture of argillaceous and calcareous earths or rocks to which no addition greater than three per centum (3%) has been made subsequent to calcination.

Section No. 26. Before any cement is furnished, the brand shall receive the approval of the Engineer. Cement, to be acceptable, shall be of a well-known brand which has been in successful use for large engineering works in America for at least five (5) years, and which has an established reputation for uniform character. Preference will be given to cements which, by their records, show a tendency to maintain high strength of mortar with increased age.

Section No. 27. Cement shall be subject to inspection at the place of manufacture or on the work, and to such tests as may be ordered by the Engineer. The Engineer or his representatives shall have access at all times and places to inspect the methods of manufacture, storage and protection, and shall have liberty to inspect the daily laboratory records of tests and analyses at the cement works.

Section No. 28. In general, tests will conform to the methods recommended by the Committee on Uniform Tests of Cement of the American Society of Civil Engineers. Unless otherwise directed, samples will be taken at the place of manufacture by a representative of the Engineer, and sent to the Commission's laboratory, where the tests will be made. If required, tests will be made on the individual samples, without intermixing.

Section No. 29. Portland cement shall have a specific gravity of not less than 3.10 nor more than 3.25 after being thoroughly dried at a temperature of 212 degrees Fahr. The color shall be uniform, bluish gray, free from yellow or brown particles.

Section No. 30. Chemical analyses of cement made from time to time shall show a reasonably uniform composition. Portland cement shall contain not more than one and three-fourths per centum (1¾%) of sulphuric anhydride (SO_3) nor more than four per centum (4%) of magnesia (MgO).

Section No. 31. The fineness of the Portland cement shall be such that it shall leave by weight a residue of not more than eight per centum (8%) on a 100-mesh sieve and not more than twenty-five per centum (25%) on a 200-mesh sieve; the wires of the sieves being respectively 0.0045 and 0.0024 inch in diameter.

Section No. 32. It shall develop initial set in not less than thirty (30) minutes unless a more quickly-setting cement is specifically required, and shall develop hard set in not less than one (1) hour nor more than ten (10) hours.

Section No. 33. Pats of neat Portland cement, after remaining one (1) day in moist air, shall be kept in air or water of normal temperature for at least twenty-eight (28) days, or shall be exposed to an atmosphere of steam, above boiling water, in a loosely closed vessel for at least five (5) hours; and the separate parts under any of these conditions shall remain hard without any indications of checking, cracking, distortion, disintegration or blotching.

Section No. 34. Neat Portland cement briquettes shall have at the end of one (1) day in moist air a breaking strength, per square inch of sectional area, of not less than one hundred and fifty (150) lbs.; at the end of seven (7) days—one (1) day in air, six (6) days in water—of not less than five hundred (500) lbs.; at the end of twenty-eight days—one (1) day in air, twenty-seven (27) days in water—of not less than six hundred (600) lbs. The strength at twenty-eight (28) days shall be not less than at seven (7) days.

Mortar briquettes, composed of one (1) part of Portland cement and three (3) parts of standard Ottawa sand, by weight, shall have at the end of seven (7) days—one (1) day in air, six (6) days in water—a breaking strength, per square inch of sectional area, of not less than two hundred (200) lbs.; and at the end of twenty-eight (28) days—one (1) day in air, twenty-seven (27) days in water—of not less than three hundred (300) lbs. The strength at twenty-eight (28) days shall show an increase of not less than fifty (50) lbs. over the strength at seven (7) days.

Tests will be made from time to time extending over longer periods than twenty-eight (28) days. If such tests show a tendency to unsoundness or unusual reduction in strength with increased age, the Engineer shall have the right to prohibit the further use of that brand and to require that another brand be substituted.

Section No. 35. All cement shall be held in storage to allow ample time for tests to be made before the cement is required for use in the work.

Cement shall be packed and delivered in canvas sacks or other strong, well-made packages, plainly marked with the manufacturer's brand, and sealed in an approved manner. The weights of such packages shall be uniform.

Section No. 36. The Contractor shall at all times keep in store on the work, or at some point convenient thereto, an abundant supply of cement, so as to guard against possible shortage. It shall be stored in a weather-tight building, with a tight floor a proper distance above the ground, and with sufficient floor space to admit of storing each lot of cement, of not more than two hundred (200) barrels, or its equivalent, separately so as to facilitate identification of each individual lot in case of necessity for further tests or rejection. Cement that has become partially set or otherwise damaged shall not be used.

SUBDIVISION 4.
Mortar.

Section No. 37. All mortar shall be prepared from cement and sand approved by the Engineer. These ingredients shall be thoroughly mixed dry in the proportions specified below; sufficient water shall then be added to produce a stiff paste. Water used in mortar, grout or concrete must be clean, fresh water. Salt water will not be permitted. The mortar shall be freshly mixed for the work in hand, in proper boxes made for that purpose, and no mortar shall be used that has stood beyond such limit of time as may be determined by the Engineer.

Section No. 38. Sand used for mortar shall be clean, and shall be graded from fine to coarse to the satisfaction of the Engineer. It shall contain no grains which will not pass a one-fourth (¼) inch mesh sieve, nor more than six per centum (6%) by weight which will pass a 100-mesh sieve.

Sand shall be of such quality that mortar composed of one (1) part of Portland cement and three (3) parts of sand by weight will have a tensile and compressive strength equal to mortar of the same consistency made from one (1) part of the same cement and three (3) parts of standard Ottawa sand.

Section No. 39. For purposes of mixture, three hundred and seventy-five (375) pounds of Portland cement shall be estimated at three and one-half (3½) cubic feet of volume. The proportional parts shall be by volume as cast into the measuring box. The proportions for brick and stone masonry shall be one (1) part cement to two (2) parts sand; for pointing, one (1) part cement to one (1) part sand; for concrete masonry, as specified under the head of concrete; and for other classes of work, as directed by the Engineer.

SUBDIVISION 5.
Concrete.

Section No. 40. The concrete shall be composed of gravel or broken stone, or a mixture of both, free from all dust and dirt, mixed with the proportion of mortar specified below. The water used in mixing concrete shall be clean, fresh water. Salt water will not be permitted.

Sand for concrete shall be of the kind specified for mortar in Subdivision 4.

Stone for concrete shall be sound, clean gravel, or sound, hard, broken limestone or trap rock, or a mixture of such gravel and broken stone. If the mixture of gravel and broken stone is used the Engineer may require that the gravel and broken stone be stored separately on the work and mixed in single batches as needed.

Section No. 41. The gravel or broken stone or the mixture of gravel and broken stone shall be graded from fine to coarse, and that which is all of one size, or practically so, shall not be used. It shall be screened or washed so as to remove all dust, and it shall contain no pieces that will pass through a hole three-eighths (⅜) of an inch in diameter, and no pieces that will not pass through a hole one and three-fourths (1¾) inches in diameter. Broken stone or gravel for concrete, graded as above, but between three-eighths (⅜) and three-fourths (¾) of an inch in diameter, may be required for use in special parts of the work.

Section No. 42. The proportion of cement, sand and stone (or gravel) used in making concrete shall be by volume as cast into the measuring box and shall be as follows:

One (1) part of cement, two (2) parts of sand and four (4) parts of stone.

Section No. 43. Whenever practicable, concrete shall be machine mixed. A rotary machine of a pattern approved by the Engineer, and mixing only one batch at a time, shall be used. Concrete shall not be mixed on the surface of the street, unless specifically permitted, but the mixing shall be done as close as practicable to the work so as to avoid too great a lapse of time between the mixing and placing of the concrete in the forms.

When concrete is mixed by hand the stone or gravel shall be spread on a platform in a bed of about six (6) inches thick, and shall be thoroughly wet. Sand shall be spread on a platform and the requisite portion of cement spread on the sand. After thoroughly mixing the cement and sand, the dry mixture thus formed shall be spread evenly over the bed of stone wet as above, and the whole turned over until thoroughly mixed, but not less than four (4) turnings on the mixing board will be allowed in any case, water being added as necessary. Care shall be taken to keep the bed of concrete wet and avoid piling.

Section No. 44. Concrete shall be placed immediately after mixing, in layers of such thickness as may be directed by the Engineer and shall be thoroughly compacted throughout the mass by ramming or spading, special tamping bars or tools being used as approved by the Engineer. The amount of water used in making the concrete shall be as approved by the Engineer. If a small amount of water has been used in mixing, ramming shall be continued until the water flushes to the surface; as a rule, however, concrete shall be placed wet.

Concrete shall be allowed to set for twelve (12) hours, or more, if so directed, before any work shall be laid upon it; and no walking over or working upon it will be allowed while it is setting. Concrete shall not be flooded with water before it has thoroughly set.

Section No. 45. Wherever a section of concrete is necessarily left unfinished, leaving a surface which will be hard set before additional concrete can be laid, care shall be taken to flush the cement to such surface, and such dovetails or grooves shall be formed as may be necessary to insure a good bond with the new work. If deemed necessary by the Engineer, the joints shall be reinforced with steel bars or dowels, furnished and placed by the Contractor at his own expense.

In all cases of joints of old with new work the old surfaces shall be thoroughly cleaned and wet and if required, a coating of mortar or cement shall be applied before placing the concrete.

Section No. 46. Suitable forms shall be provided by the Contractor to support the concrete while it is being placed. These forms shall be immediately replaced by new ones as soon as they commence to lose their proper shape. Before being used they shall be carefully cleaned of cement and dirt in order to insure a perfectly smooth surface on the concrete which is to remain exposed. The forms shall be made of wood, kept carefully planed or made of metal sufficiently thick to enable them to retain their shape without the use of wood.

No forms made of wood covered with sheet iron will be permitted.

The joints in forms shall be water-tight. If forms are made of wood the boards shall be tongued and grooved where required by the Engineer.

Section No. 47. Every precaution shall be taken to construct the forms in such a manner as will insure a smooth and even surface on concrete which is to remain exposed; except that on walls within the limits of station finish work the concrete shall be left with a rough surface to insure a proper bond between it and the station finish plaster. For obtaining this rough concrete surface, the Contractor shall provide special forms approved by the Engineer.

Section No. 48. Forms shall be set true to line, firmly secured, and shall be so tight as to prevent water in the mortar from escaping; they shall be thoroughly wet before the concrete is placed and shall be removed as soon after the concrete has been placed as in the judgment of the Engineer may be done with safety to the work. Immediately on the removal of the forms the faces that will remain exposed shall be carefully examined and any irregularities of the surface corrected; projections shall be removed and voids shall be filled with mortar. If, however, the voids are such as to indicate an excessive loss of mortar, portions of the concrete shall be cut out to the fullness of such defects and this space shall be refilled with a rich concrete or mortar in such proportions and in such manner as the Engineer may direct.

Section No. 49. Where reinforcing steel or wire mesh is used, efficient means shall be provided to maintain it in the exact position it is to occupy in the completed work and to prevent it from becoming dislodged or moved in any manner while concrete is being placed.

Section No. 50. Exposed faces of concrete shall be left with the natural cement finish, the object in view being to obtain a generally smooth, finished surface of uniform color. Immediately following the removal of the forms, the removal of the projections and the filling of voids as provided above, the exposed surfaces shall be rubbed down in such a manner, approved by the Engineer, as will insure this result.

The preceding paragraph of this Section does not apply within station limits.

Section No. 51. It is intended to obtain concrete impervious to water; the concrete shall be mixed and deposited with this end in view.

Section No. 52. Concrete masonry will be measured in place in the work to the prescribed net lines ordered by the Engineer and will be paid for at the price stipulated in Schedule Item 6, except as provided in Sections Nos. 95, 100, 145 and 204. The price stipulated in Schedule Item 6 shall include the cost of all scaffolding, centers, forms, etc., and removing the same, all troweling where required, and all other incidental work, labor and material.

SUBDIVISION 6.
Brick Masonry.

Section No. 53. Bricks for masonry shall be of the best quality common bricks burned hard entirely through, regular and uniform in shape and size and of compact texture.

Section No. 54. Hollow terra cotta blocks or bricks may be required at such places as the Engineer may direct. They shall be of the best porous terra cotta as approved by the Engineer, and shall be of such thickness and shall be laid in such manner as hereinafter specified or as the Engineer may direct.

Section No. 55. All brick masonry shall be laid in mortar of the quality described in Subdivision 4, except that in exposed locations coloring matter shall be added, if required by the Engineer. The bricks shall be laid to line with joints in the face work not exceeding one-fourth (¼) of an inch in the beds, and three-eighths (⅜) of an inch on ends; the bricks shall be thoroughly wet before laying and shall be completely imbedded in mortar under the bottom and on the sides and ends at one operation, care being taken to have every joint full of mortar.

All exterior surfaces shall be smooth and regular.

Section No. 56. The inside faces of all arches and other exposed parts shall have all the mortar scraped off, shall be washed clean immediately after the centers have been struck, and shall be pointed and left in a neat condition.

Section No 57. All bricks of whatever nature shall be carefully culled and if necessary gauged before laying, at the expense of the Contractor. No "bats" shall be used except in large masses of brick-work, where a moderate proportion, to be determined by the Engineer, may be used, but nothing smaller than half bricks.

Section No. 58. All unfinished work shall be racked back or toothed, as directed by the Engineer, and before new work is joined to it the faces of the brick in the old work shall be scraped entirely clean, scrubbed with a stiff brush and be well moistened.

Where necessary to make a neat joint in connection with steel framework, or at

corners, curves, or other similar places, special bricks of proper shape shall be furnished and used. All centers and forms shall be made to fit the curves of the work; they shall be put up and removed in a manner satisfactory to the Engineer.

Section No. 59. Brick masonry will be measured to the lines indicated and shown on the drawings or as ordered by the Engineer, and will be paid for at the price stipulated in Schedule Item 9 for common brick masonry and Schedule Item 10 for hollow terra cotta brick or tile masonry of any thickness ordered, which prices shall include the cost of all scaffolding, forms, centers, etc., and the removal of the same, of all plastering and pointing, and of all other incidental work, labor and material.

SUBDIVISION 7.

Steel and Iron.

Section No. 60. Steel shall be made by the open-hearth process.

Section No. 61. The chemical and physical properties of finished material shall conform to the following limits:

Properties.	Structural Steel.	Rivet Steel.	Steel Castings.
Phos. (Max.)	.04%	.04%	.05%
Sulph. "	.05%	.04%	.05%
Mn. "	.60%	.60%	.80%
Si. "	.10%	.10%	.35%
Ult. Str.	60000±4000	50000±4000	65000 (Min.)
Yield Point (Min.)	55% Ult.	55% Ult.	35000
Elongation, Min. % in 8 inches	1500000	1500000	
	Ult. Ten. Str.	Ult. Ten. Str.	
Elongation, Min. % in 2 inches	.....	.....	20%
Fracture	Silky.	Silky.	Silky, or Fine Granular.
Cold Bends without Fracture	180° flat.	180° flat.	120° (d.=3t.)

Workmanship.

Section No. 62. The workmanship shall be equal to the best practice in modern bridge works.

Shearing and chipping shall be neatly and accurately done and all portions of the work exposed to view neatly finished. All nuts exposed to view on the final structure shall be hexagonal.

Section No. 63. Rods and bars to be used for reinforcing concrete shall be deformed as approved by the Engineer; plain bars will not be used.

Section No. 64. The Inspector shall make detailed reports of his inspection to the Engineer and may notify the Contractor of any defects in the material or workmanship, but all acceptances made by him shall be considered temporary, and his inspection shall in no way relieve the Contractor of full responsibility for the character and accuracy of the work.

Section No. 65. The Contractor shall be responsible for all errors which can be discovered by checking or examining the drawings.

Section No. 66. All parts shall be carefully loaded and protected from injury during transportation by such means as will be satisfactory to the Inspector. After delivery of materials at the work the Contractor will be required to store such materials on skids at least twelve (12) inches above the ground and to keep such materials in good condition. Any piece showing injurious effects of rough handling at any stage before the final acceptance of the work may be rejected.

Section No. 67. Payment for structural steel will be made at the prices stipulated in Schedule Items 19, 20 and 21. Schedule Item 20 shall include all single beams or shapes, whether milled or otherwise, with or without connections or other end details. These prices shall include the cost of material delivered and erected in the work, of all necessary cleaning and painting (where painting is required) and of all other incidental work. The quantity of metal to be paid for shall be the weight actually placed in accordance with the drawings or orders.

Special Wire Forms.

Section No. 68. Special wire forms, of a type and weight to be approved by the Engineer, shall be furnished and placed around the flanges of beams and girders which are to be completely encased in concrete, and at other places as may be required, in order to hold the concrete in place.

Special wire forms, wherever used, will be paid for at the price stipulated in Schedule Item 26, which price shall include the cost of the material in place and all work necessary and incidental thereto.

SUBDIVISION 8.

Tunnel Ducts.

Section No. 69. The ducts to contain cables for transmitting electricity for the operation of the Railroad shall be of the one-way form with circular holes. Tunnel ducts are those incorporated in the Railroad structure.

Section No. 70. The dimensions and form of each piece shall conform to the following requirements:

The length shall be eighteen (18) inches, except that a sufficient number of short pieces of various lengths shall be furnished to lay on curves and to piece out at manholes so as to bring the ends of all ducts into a vertical plane.

The minimum inside diameter of holes shall be such as to pass a mandrel three and one-half (3½) inches in diameter.

The outside dimensions shall be not less than five (5) inches nor more than five and one-fourth (5¼) inches measured at right angles to the flat of each side.

The thickness of the walls measured at the thinnest part shall be not less than five-eighths (⅝) of an inch.

The ducts shall be made square on outer lines with the outside corners cut off to leave a flat surface of not less than two and three-fourths (2¾) inches, the ends to be cut smooth and at right angles to the axis of the duct, and beveled on the inside for one-half (½) of an inch.

Section No. 71. Ducts shall be combed on each face with at least five (5) longitudinal combings, each combing to have a width of one-fourth (¼) of an inch and a depth of not less than one-sixteenth (1/16) nor more than one-eighth (⅛) of an inch.

Section No. 72. All ducts shall be manufactured of the best clay, mixed thoroughly and in proper proportions, burnt hard through their entire thickness until well vitrified, but in no case so burnt as to be fused or scoriated. The clay used shall be plastic and smooth, perfectly free from limestone, lime pebbles, pyrites and chalk, and sufficiently fire-proofed to acquire proper density before vitrification takes place. The clay shall be well pulverized and made perfectly homogeneous, and the surface of each piece both inside and outside shall be thoroughly glazed in the most approved manner with good salt glaze. The ducts shall be sound and without soft spots, stones, gravel, cracks, breaks or blisters, and the interior surface shall be free from warts, tits, nodules, chips, breaks, rough spots or cracks, that in the opinion of the Engineer may prove injurious. Each duct shall be practically straight and under no circumstances will any piece be accepted which shall have a bow, curve or kink sufficient to prevent the passage of a mandrel three and one-half (3½) inches in diameter and twenty-four (24) inches long. No piece will be accepted if it shall have a bow, bend or kink in more than one direction. Throughout its entire length the bore shall be straight, smooth and circular.

All ducts shall be subject to inspection at the place of manufacture and on the work and at any other time and place required by the Engineer. All rejected ducts shall be promptly removed by the Contractor at his own expense.

Section No. 73. The ducts shall be laid in beds of cement mortar, about one-fourth (¼) of an inch in thickness, with broken joints both horizontally and vertically, true to line and grade, and so placed that there shall be no shoulders or offsets in the bore. All interstices shall be filled with mortar. In laying ducts care shall be taken to close abutting joints so that the ends of all consecutive ducts shall be practically in contact on all sides.

Section No. 74. Two (2) strips of thick, unbleached muslin, six (6) inches wide and coated with neat cement mortar, shall be used to wrap each joint, the ends of the wrap to lap four (4) inches. The muslin shall be not less than 56 x 60 count, weight not less than (4) ounces to the yard and width thirty-six (36) inches. Where ducts are laid on curves, the wraps shall be doubled if required, to protect the openings between the ends of the ducts on the outer line of the duct and to exclude all mortar from duct openings. Metal wraps will not be permitted.

Section No. 75. Ducts shall be laid with a link mandrel of a length and diameter to be prescribed, which shall be drawn through each duct as it is laid, so as to remove all projections of mortar that may be in the ducts; the mandrel shall also be equipped with a suitable swab to remove all loose material in the ducts; the mandrel shall be left in each duct until the succeeding duct is laid.

Section No. 76. After the duct bank and Railroad structure have been completed, the ducts shall be rodded by pushing a wooden mandrel through the bore. This mandrel shall be of approved design three and one-fourth (3¼) inches in diameter, eight (8) inches long and screwed to the end of the rod. If obstructions are found in rodding the ducts which cannot be removed by cleaners, so as to give a clear and smooth opening sufficient to pass the above mandrel without damaging the duct, the duct shall be removed and relaid. All ducts during construction and after being rodded shall be plugged with suitable plugs to be furnished by the Contractor. If wooden plugs are used they shall be immersed in water for at least eight (8) hours before being put in place.

Section No. 77. Tunnel ducts will be paid for per duct foot in place at the price stipulated in Schedule Item 18, which price shall include the cost of furnishing, laying and rodding the ducts, and of all incidental work, labor and material not otherwise specifically provided for. The ducts to be provided under Schedule Item 18 shall include only those intended solely for the purpose of the operation of the Railroad.

Section No. 78. Sliding steel doors of an approved type and with the necessary fittings shall be provided for all duct manholes. Such doors and fittings will be paid for as riveted steel, Schedule Item 19.

At manholes, ducts will be laid to conform to the special conditions.

SUBDIVISION 9.

Hand-Rails.

Section No. 79. Seasoned oak or ash hand-rails, of one or more horizontal rails, shall be placed in the Railroad over the benches containing the ducts, where the hand-rail was omitted on account of the construction of the temporary sewer, and at other points where directed by the Engineer. The rails shall be free from knots, sapwood, shakes and other defects and shall have a cross grain between supports not greater than one-fourth (¼) the diameter of the rail. The rails shall be sandpapered to a smooth finish and shall receive two (2) coats of boiled linseed oil. They shall be securely fastened to the wall of the Railroad by means of expansion bolts, and as shown on the contract drawings. Measurements for payment for hand-rails will be per lineal foot of rail in place in the work, and payment therefor will be made at the price stipulated in Schedule Item 27-B, which price shall include the cost of furnishing and placing the hand-rails complete, including finishing, oiling and connections.

SUBDIVISION 10.

Tile and Mosaic.

Section No. 80. All tile, unless otherwise specified, shall be of first quality white glazed tile equal to the sample on file in the office of the Engineer.

All tile shall be carefully sorted as to size and shade, care being taken to avoid strong contrasts in color. No broken or imperfect tile shall be used, and the tile work shall be perfectly true, plumb and straight; tile shall be furnished to lay in courses of sizes to correspond to the tile already in place in the stations and station approaches. The height of the tiled wall surfaces, as indicated on the drawings, has been figured for a certain number of courses with an allowance for joints, and the Contractor will be required to adhere to these figures. All rounded corners shall have curved tile to conform to the radii indicated on the drawings, and mitre pieces shall be used at the intersection of all angles and corners. Some tiles shall be cut to special widths and lengths as required to complete the work in accordance with the drawings and specifications. Combination (straight and curbed) tile shall be generally used on all corners and angles, and angle bead tile of any radius will not be used unless especially called for on the drawings.

Section No. 81. All ornamental work shall be of first quality mosaic, to correspond to the mosaic now in place in the stations.

Mosaic shall be set in the best manner by workmen specially skilled in the setting of mosaics, and shall finish flush with the adjacent wall finish.

White mosaic tile other than that used in the ornamental work shall correspond to the white mosaic tile now in place in the stations.

All tile and mosaic work shall be set in Portland cement mortar.

Section No. 82. The Contractor shall thoroughly clean and wet all walls which are to be covered with tile before applying the scratch coat. Where the scratch coat is applied to the concrete the surface of the concrete shall be hacked or roughened to obtain a good bond. The scratch coat shall consist of a Portland cement mortar, mixed in the proportion of one (1) volume of cement and three (3) volumes of sand, put on perfectly straight and true, and of thickness necessary to conform to the finish lines established by the Engineer.

Section No. 83. Before final acceptance of the tile work, the Contractor shall remove and replace all condemned tiles at his own expense, and, if required by the Engineer, shall, at any time during the progress of the work and prior to the final acceptance of same, submit a statement from the tile manufacturer certifying to the quantity and quality of tile furnished.

Section No. 84. Samples of all tiles and mosaic work which the Contractor proposes to furnish shall be approved by the Engineer before proceeding with the work, but the approval of samples shall not be considered as modifying the requirements of these specifications, nor as relieving the Contractor of his responsibility under his guarantee.

Section No. 85. The Contractor shall guarantee all tile work not to craze, crack or fall off within three (3) years from the date of the completion of this contract. (See Article L.)

Section No. 86. Tile and mosaic in place on the walls will be paid for at the prices stipulated in Schedule Items 501, 504, 509, 512, 513 and 514, which prices shall include the cost of the scratch coat, cleaning, cutting, hacking, roughing or other incidental work; removing old tile, scratch coat or plaster and replacing them with new tile or mosaic; no allowance will be made for variations in the thickness of the scratch coat, nor for curved surfaces in the case of mosaic work. The price stipulated for curved tile shall include all combinations (curved and straight) tile and all mitres or other special pieces of curved tile. All tile and mosaic work will be measured in place on the walls and only the actual area or lineal measurement of tile or mosaic placed will be paid for.

Section No. 87. The price stipulated in Schedule Item 513 for the mosaic and tile bands, in colors, shall include the cost of all ornamental work except the tablets indicating the names of the stations, enclosures or directions. The price stipulated in Schedule Item 514 for mosaic and tile name tablets, in colors, shall include the cost of the entire tablet within the limits indicated on the drawings. Where the tablets are set wholly or in part within the ornamental bands of the station, only the field and the letters or figures included therein will be paid for at the price stipulated for tablets, and the remaining portion will be paid for at the price stipulated in Schedule Item 513.

SUBDIVISION 11.

Plastering.

Section No. 88. Walls and ceilings, where indicated on the drawings, shall be plastered in such manner as to make a finished and complete job, to the satisfaction of the Engineer.

The Contractor will be required to remove and replace defective plastering and plaster that has fallen, at some of the stations, and to remove and replace such portions of the plaster adjacent to these surfaces as may be necessary in the opinion of the Engineer to properly finish and bond the new plaster with the old work.

Concrete which is to be plastered shall be well hacked or roughened to provide additional bond for plaster and shall be thoroughly cleaned and wet before any plastering is applied. All wall and ceiling angles shall be coved. All coats of plaster shall be put on to finish straight, plumb and true.

Section No. 89. The first coat on brick or hollow tile shall consist of a mixture of one (1) volume of cement, two and one-half (2½) volumes of sand, a volume of hydrated lime equal to ten per centum (10%) of the volume of cement and sand, and a proper quantity of long goat hair.

It shall be of such thickness as may be necessary to straighten the walls and ceilings to within one-eighth (⅛) of an inch of the finish line, and shall be scored to give bond to the second coat.

The second or finishing coat on brick or hollow tile shall consist of a mixture of five (5) parts of Keene's cement and one (1) part of hydrated lime. It shall be put on in the best possible manner by skilled workmen, troweled to a smooth, even surface and shall average about one-eighth (⅛) of an inch in thickness.

In general, concrete surfaces shall be plastered with but one (1) coat, which shall be the same as the second or finishing coat on brick or hollow tile. Where the surface of the concrete to be plastered is uneven and requires additional plaster,

the Contractor may use both a first and second coat, as specified for brick or hollow tile.

Section No. 90. Keene's cement shall be of the best brand of domestic Keene's cement.

Hydrated lime shall be of the best brand.

Samples of Keene's cement and hydrated lime shall be submitted for approval before proceeding with the plastering.

Section No. 91. Payment for plastering on flat or arched surfaces will be made at the prices stipulated in Schedule Items 521 and 522, respectively, which prices shall include the cost of the removal of the old plaster and the proper joining and bonding with the old work, all scaffolding, all cleaning, cutting, hacking, roughening or other work necessary to prepare the surfaces for plastering, and all other incidental work, labor and material. Plastering will be measured in place in the work and only the actual net area plastered will be paid for.

SUBDIVISION 12.

Cement Floors, Wainscot, Bases, and Coves.

Section No. 92. The floors of the stations and signal towers shall be finished with concrete and cement of a minimum thickness of three (3) inches, laid upon a concrete foundation or reinforced concrete slab.

The top of the foundation concrete or reinforced concrete slab shall be left three (3) inches below and parallel to the finished floor elevation, and after this concrete has set a two (2) inch layer of concrete shall be spread thereon to an even thickness and rammed so that its top surface shall be one (1) inch below and parallel to the finished floor elevation. Before this layer of concrete has set, a one (1) inch layer of cement finish shall be spread over the surface and well floated to grade to fill all voids and hollows. A dry mixture of one (1) part of an approved concrete hardener and one (1) part of Portland cement (by weight) mixed to an even color, shall then be sprinkled over the surface and floated thoroughly and troweled to a smooth, uniform, hard finished surface.

Cement floors shall be laid out in blocks about three (3) feet square. These blocks shall be formed by cutting through the two (2) inch concrete layer before it has begun to set with a tool which will make a one-fourth (¼) inch joint. The cement finish shall be marked with a suitable tool directly over the joint above described.

Section No. 93. A cement wainscot or base, of the height indicated on the drawings, shall be formed of the same materials as used for the cement floor finish.

At the intersection of the floor and sidewalls a sanitary cover of two (2) inch radius shall be formed of the same material as used for the cement floor finish.

Section No. 94. Cement, sand and stone, or gravel, shall be as hereinbefore specified. All concrete for floors and floor foundations shall be in the proportions of one (1) part of cement, two and one-half (2½) parts of sand, and six (6) parts of stone or gravel. The cement finish for floors, wainscot, base and coves shall be in the proportions, by volume, of one (1) part of cement and two (2) parts of approved coarse white sand.

Section No. 95. Cement wainscot or bases, cement coves and cement floor finish will be paid for at the prices stipulated in Schedule Item 523 (a), (b) and (c). These prices shall include the cost of all cutting and removal of existing structures that may be found necessary in order to complete the floors, cement coves and cement wainscot or base, payment for which is not herein elsewhere specifically provided. Particular care shall be taken with the troweling of the cement finish, and where a portion of the work on any station has been started, continuous work may be required by the Engineer until this portion has been completed in a satisfactory manner, and no additional allowance will be made for such continuous work.

Cement coves shall include that portion of the concrete and cement finish forming a cove at the intersection of the floor with the sidewalls. Only the curved portion of the cement finish will be paid for at the price stipulated in Schedule Item 523 (b), and the cement wainscot or base above the cove will be paid for at the price stipulated in Schedule Item 523 (a).

Payment for floor finish three (3) inches thick will be made at the price stipulated in Schedule Item 523 (c), and the finished surface of cement floor, exclusive of the cement coves, will be measured for payment.

Payment for additional foundation concrete or concreet for reinforced concrete slabs will be made at the price stipulated in Schedule Item 6.

SUBDIVISION 13.

Concrete Stairs and Stair Landings.

Section No. 96. Self-supporting stairs and stair landings shall be built of concrete reinforced with steel bars.

In general the treads will be eleven (11) inches wide and the risers about seven (7) inches high, but one or both of these dimensions may vary as indicated on the drawings.

All treads and landings shall be equipped with non-slip treads.

Section No. 97. All treads and landings shall have a cement finish one (1) inch thick, into which shall be worked the safety treads. The risers shall be paneled as indicated on the drawings; and shall be washed with a cement grout before the concrete is thoroughly set (where practicable, immediately after the removal of the forms), and rubbed down to a hard, even finish. The sides of the stairs, where exposed, shall be finished in the same manner as specified for the risers. The sides of existing stairs and landings where required by the Engineer shall be thoroughly cleaned, washed with a cement grout and rubbed down to a hard, even finish. Upon completion of the stairs and landings, they shall be covered with heavy building paper and boarded over to properly protect them against injury.

Section No. 98. Rods and bars to be used for reinforcing concrete shall be deformed as approved by the Engineer; plain bars will not be used.

Bent rods shall be bent uniformly to template in a machine or press approved by the Engineer and may be bent either at the shop or on the work.

Section No. 99. All concrete for self-supporting stairs and stair landings shall be in the proportion of one (1) part of cement to two (2) parts of sand and four (4) parts of stone or gravel. The cement finish on the treads and landings shall be in the proportion of one (1) part of cement to two (2) parts of sand, colored with lamp black as directed. Cement grout shall consist of cement colored with lamp black as directed.

All treads and landings shall be equipped with non-slip treads. Non-slip treads shall be of metal and shall have an approved non-slipping surface. They shall be durable, readily cleaned and maintained and arranged so that they can be renewed in sections without renewing the entire tread. The non-slip treads on existing stairs and landings where required by the Engineer shall be removed and replaced with new treads secured to the old anchor blocks, which shall be left in place.

A sample of non-slip tread shall be approved by the Engineer before the construction of the stairs is begun.

Section No. 100. Self-supporting concrete stairs and stair landings and their appurtenances will be paid for at the prices stipulated in Schedule Item 526. Payment under Schedule Item 526 (a) for stairs shall include the cost of concrete, steel rods and finish. Payment will be made for the actual lineal feet of concrete treads installed (with or without non-slip treads), measured along the outer edge or nose of the treads, and also that portion of the landings adjacent to the top riser of each flight of stairs and of width equal to that of the other treads in the stairway. No additional allowance will be made for the concrete risers, as these are included in the prices for concrete treads. Payment under Schedule Item 526 (b) for stair landings shall include the cost of surface finish. Payment will be made for the superficial area of the landings, exclusive of that portion hereinbefore specified as concrete treads.

Section No. 101. Payment under Schedule Item 526 (f) for non-slip treads shall include the cost of all bolts, screws, wood blocks, metal anchors and other appurtenances required to set the non-slip treads complete. Payment under Schedule Item 526 (j) shall include the removal of old non-slip treads from existing stairs and landings and their replacement with new non-slip treads. The area of new non-slip treads placed will be measured for payment.

Payment under Schedule Item 526 (h) for cement finish on exposed sides of stairs and landings, including all such work done under this contract in existing stairs and landings, will be made for the total length of the exposed sides of stairs and landings measured from the face of the bottom riser of the stairways along the outer edge of the treads on a line parallel to the slope of the stairways, and along the edge of and parallel to the upper surface of the landings for their entire length.

SUBDIVISION 14.

Hollow Metal and Metal Covered Woodwork.

Section No. 111. All ticket booths, doors, sash, frames, shelves, sheathing, trim and mouldings shall, unless otherwise specified, be made of No. 18 gauge rust-proof iron ("Toncan" metal, "Alleghany" or "American Ingot" iron). The mtal shall be reinforced with channels or angles, and all joints shall be locked together in a deep reinforced slot and secured by an approved electric welding process. Rivets will not be permitted. Expansion joints shall be provided where necessary. All bases, shelves, ledges, or other parts of the metal work liable to injury shall be solidly backed with hard wood as directed by the Engineer. Provision shall be made for electric conduits, outlet and heater boxes in ticket booths. All conduits shall be run in the walls.

All metal work shall, as far as practicable, be built up, assembled and finished in the shop from actual measurements taken by the Contractor at the station or site where the work is to be installed, so as to avoid all cutting and fitting during installation. All bolts and screws shall be made of brass or bronze unless otherwise specified.

Section No. 112. All doors shall be one and three-fourths (1¾) inches thick unless otherwise specified, built plumb and true and of height and width to conform to the openings as constructed, and with panels, mouldings and trim as indicated on the drawings. Doors shall be provided with extra reinforcement where the hardware is to be attached and at all joints. The upper panels of Type "D" doors shall be provided with fixed metal louvres. The upper panels of Types "C" and "M" doors to signal towers and despatchers' rooms shall be glazed with three-sixteenths (3/16) inch American plate glass.

Doors for toilet stalls shall be one (1) inch thick, and hanging stiles shall have rounded edges to receive the hinges.

Door frames shall be made of two (2) inch yellow pine, straight grained, covered with metal as hereinbefore specified, set plumb and true, and secured to the masonry walls by metal wall plugs or expansion bolts as directed by the Engineer.

Section No. 113. All metal work used in the construction of ticket booths shall be built up in sections in the shop and arranged so that sections may be assembled and bolted together at the stations with blind joints. Sections of ticket booths shall include all mouldings, cornices and trim, and each section shall be completed and finished in the shop. Sills of two (2) inch by six (6) inch spruce shall be set level and bolted to the cement floor with expansion bolts; metal channels shall be secured to the top of the sills and so arranged that the wall sections of the ticket booths may be set over and bolted to the sill channels. The vertical flanges of the sill channels shall be wide enough to give proper support to the walls, and reinforcing plates between flanges shall be used where necessary.

Special construction shall be provided in the walls of ticket booths for the installation of passimeters and their appurtenances, but the passimeters will not be furnished under this contract.

Two (2) inch by four (4) inch spruce spaced eighteen (18) inches on centers shall be scribed to the concrete floor as nailing strips for the floor hereinafter specified. Cross bracing shall be placed so as to provide for proper nailing.

Flooring shall be seven-eighths (⅞) inch by two and one-half (2½) inch clear maple, hollow backed, tongued and grooved and laid on top of the nailing strips above specified. Flooring in shorter lengths than three (3) feet shall not be used and all end joints shall be grooved and tenoned.

Ticket shelves shall be of oak, two (2) inches thick, supported on bronze brackets. A coin shelf of plate or other approved glass, with or without change pockets, as determined by the Engineer, shall be furnished for each ticket window, and shall be let into the oak ticket shelves so as to finish flush with the tops of the shelves. A sheet of felt or other approved material shall be placed under each coin shelf. Cash drawers of metal shall be divided inside as directed, and each drawer shall be fitted with one (1) pair of metal rollers and one (1) stop. Cupboards of metal with shelves and doors shall be provided. A foot rest of oak supported on galvanized iron brackets shall be provided below each ticket window.

All ticket windows, and other windows where indicated on the drawings, shall have bronze grilles and hollow metal frames. The main pieces of grilles shall be five-sixteenths (5/16) inch by one-half (½) inch with one-fourth (¼) inch by one-fourth (¼) inch pieces for design for filling. Grilles shall be secured with oval-head bronze screws. All windows shall be glazed with American plate glass, polished, of thicknesses as indicated on the drawings. The glass shall be set in hollow metal frames or hinged sash, as indicated on the drawings. A simple fastening shall be provided for the sash. At each ticket window a brass sliding door with knob and fastener shall be provided and an opening shall be provided in the glass in front of the door, as indicated on the drawings. The door shall slide on a stop track of brass and against knee pieces secured to the glass shelf below. A special type of steel safe with fastener and lock of special pattern shall be provided in each ticket booth as indicated on the drawings. Coat and hat hooks shall be secured to the walls of the ticket booths.

The ticket booths will generally be scribed to the ceilings of the stations with metal. The ceilings of the stations are of different heights and either arched or flat and the scribing pieces shall be cut and fitted to meet these conditions. Where the ticket booths do not extend to the station ceilings, a ceiling of metal shall be formed and above this a sloping metal roof shall be provided as indicated on the drawings. Hinged vent panels shall be provided in the cornices of ticket booths.

Section No. 114. Window frames for openings in masonry walls shall be formed of metal and built plumb and true. Box frames with pockets for weights shall be made for double hung sash. Pockets for weights shall be easily accessible. Frames shall be built in the shop of height and width to conform to the openings as constructed, and secured in place with metal wall plugs or expansion bolts as directed by the Engineer. Mouldings and trim shall be provided as indicated on the drawings.

All sash shall be built of metal, divided into lights as directed. Brass chains, weights of cast iron or lead as may be required, and extra strong bronze noiseless pulleys two and one-fourth (2¼) inches in diameter, with rectangular bronzed faces, shall be furnished for all hung sash. Sash shall, unless otherwise specified, be glazed with double thick American glass free from all imperfections.

Section No. 115. All interior surfaces of hollow metal and metal covering for woodwork which are not accessible after erection, shall be given two (2) coats of metallic paint before assembling. All exterior surfaces of such metal work shall be given seven (7) coats as follows: filler coat, body coat, three (3) coats of enamel and two (2) coats of varnish. Each coat shall be thoroughly dried and baked before the following coat is applied. All finishing oak shall be finished as hereinafter specified for hand rails in stations. Before the completion of all work and when directed by the Engineer, the flooring shall be hand planed, scraped, cleaned, filled, and finished with two (2) coats of linseed oil and turpentine. All wood framing shall be given two (2) coats of a preservative and fire-resisting paint after erection and before the metal covering is applied. Samples of all materials used for filler, paint, oil and varnish shall be approved by the Engineer before using.

Section No. 116. Doors will be paid for at the prices stipulated in Schedule Item 532, which prices shall include the cost of furnishing and erecting the doors and door frames (except for ticket booths), glass, hardware, painting, finishing and all work incidental thereto and necessary for the completion of the doors and door frames.

Payment under Schedule Item 532 (q) shall include the cost of removing and resetting existing doors and door frames.

Ticket booths will be paid for at the prices stipulated in Schedule Item 530, which prices shall include the cost of furnishing and erecting the ticket booths, and all doors, windows, floors, closets, framing, mouldings, drawers, shelves, trim, bronze grilles, sash, glass, hardware, signs, electric conduits, conduit fittings, outlet and heater boxes, painting, finishing and all work incidental thereto and necessary for the completion of the ticket booths.

Windows in place (except for ticket booths) will be paid for at the prices stipulated in Schedule Item 533, which prices shall include the cost of frames, sash, and all mouldings, trim, glass, painting, finishing and hardware, and all work incidental thereto and necessary for the completion of the windows.

The area included within the extreme outside dimensions of the window frames will be measured for payment.

SUBDIVISION 15.

Hardware.

Section No. 117. All hardware, unless otherwise specified, shall be of solid bronze metal, without lacquer, and of weight, quality and design equal to samples on file in the office of the Engineer. Hardware shall be secured to the hollow metal work with machine screws. The heads of these screws shall be of such design as to require a special wrench.

Section No. 118. All butts shall be made of heavy wrought metal, five (5) inches

by five (5) inches, unless otherwise specified, self-lubricating, loose pinned, and shall have bushings running the full length of knuckles.

Locks for doors shall have all inside works of brass except the four (4) tumblers, which shall be of steel. The locks shall center on lock stiles unless otherwise directed by the Engineer and shall operate under approved key systems as hereinafter specified.

Doors to ticket booths shall have cylinder locks with the cylinder inside of knob. All drawers shall, unless otherwise specified, have heavy pin tumbler cabinet locks, and shall operate under approved key systems as hereinafter specified.

Two (2) keys shall be furnished for each lock, except the locks on the doors to ticket booths, which shall be furnished with three (3) keys each. Each key shall have stamped thereon the name of the station and the number of the key to conform to the number used on similar keys already furnished.

Section No. 119. It will be necessary to have the key systems for the locks supplied under this specification conform to the key systems already installed.

Special precautions shall be taken to control the distribution of the keys during the progress of the work. All locks when installed shall be arranged by the manufacturer to operate under one tumbler or other approved method, so as to permit the use of the locks during the progress of the work under this contract. When directed by the Engineer and before completion of all of the work, the locks shall be adjusted by the manufacturer for the final key system. Three (3) keys shall be furnished for each station for use with the temporary arrangement of locks in addition to the number required for the final key system. Upon the completion of the work a complete set of keys, as herein specified, shall be furnished to the Engineer.

Section No. 120. All knobs shall be ball bearing, screwless pattern, with sleeve adjustment.

All doors shall be furnished with either combined door stops and hooks or rubber covered chains, as may be determined by the Engineer. Door stops shall be secured to the masonry walls or floors by approved type of expansion bolts.

Section No. 121. Spring hinges for toilet stall doors shall be of the pivot type (single axis), attached to the lower corners of the doors by means of vertical and horizontal arms. The weight of the doors shall be carried by ball bearings located at the end of the pintle and the tops of the doors shall be guided by pivots and sockets. The sides of the hinges shall be fitted with removable plates to permit adjustment of the springs. The heads of all screws shall be designed so as to require a special wrench. All exposed parts of the hinges and pivots shall be finished as hereinbefore specified for the doors. (See Section No. 115.)

Throw latches shall be fitted with rubber door stops, and finished as hereinbefore specified for hinges.

Section No. 122. Doors, windows and ticket booths shall be provided with hardware as listed in the following schedule, in addition to the hardware herein elsewhere specified:

Doors Type "M"—
- One (1) heavy mortise lock complete, ornamental knob and escutcheon outside, plain knob and rosette inside. (Where not within station limits doors shall have plain knob and rosette outside.)
- One and one-half (1½) pairs loose pin butts.
- One (1) rubber covered chain or one (1) door stop, as may be designated.

Doors Type "C"—
- One (1) heavy mortise lock complete, ornamental knob and escutcheon outside, plain knob and rosette inside. (Doors type "C" where not within station limits shall have plain knob and rosette outside.)
- Three (3) pairs loose pin butts.
- Two (2) flush bolts.
- Two (2) rubber covered chains or two (2) door stops, as may be designated.

Doors Type "D"—
- One (1) heavy mortise lock complete, ornamental knob and escutcheon on outside, plain knob and rosette inside.
- One and one-half (1½) pairs loose pin butts.
- One (1) rubber covered chain or one (1) door stop, as may be designated.

Toilet Stall Doors—
- One (1) spring hinge, pivot and socket.
- One (1) throw latch with door stop.

Double hung sash—
- One (1) sash fastener.
- One (1) pair of flush sash lifts.

Hinged sash—
- One (1) pair fast joint butts, three (3) inches by three (3) inches.
- One (1) transom catch.

Ticket Booth—
- One (1) unit lock complete, ornamental knob and escutcheon outside, plain knob and escutcheon inside for each door.
- One and one-half (1½) pairs loose pin butts for each door.
- One (1) rubber covered chain or one (1) door top for each door, as may be designated.
- One (1) drawer pull for each drawer.
- One-half (½) dozen coat and hat hooks.
- One (1) heavy pin tumbler cabinet lock for each drawer.
- Two (2) pairs fast joint butts, three (3) inches by two and one-half (2½) inches, one (1) spring cupboard turn and two (2) book case bolts for each pair of closet doors.
- One (1) special lock and fastener an two (2) pairs special fast joint butts for safe.

Section No. 124. Payment for the furnishing and installing of all hardware (except door stops and rubber covered chains), and all work incidental thereto, will be included in the prices stipulated in Schedule Items 530, 532 and 533.

Door stops and rubber covered chains will be paid for at the prices stipulated in Schedule Item 534, for additional hardware, which prices shall include the cost of furnishing and installation, and all work incidental thereto.

SUBDIVISION 16.

Ornamental Iron and Steel Work.

Section No. 125. All bars, shapes and plates shall be made of open-hearth steel. All iron castings shall be made of tough gray pig iron, shall be not less than one-fourth (¼) of an inch thick and shall have cast lugs, as may be required, for connections. All mitres and joints shall be cut and filed to a close fit; all bolt and screw holes shall be drilled (not cored); all joints shall be made with red lead putty and where exposed shall be filled flush with an approved cement. All sizes and shapes shall be as indicated on the drawings. Mitre joints in cast-iron work will not be permitted and all joints shall be made in horizontal or vertical planes.

Section No. 126. Bronze top rails shall be made of extruded metal not less than one-eighth (⅛) of an inch thick, or of cast bronze not less than three-sixteenths (3/16) of an inch thick.

All castings shall be sharp and smooth, free from blow holes or other defects, and true to pattern.

All pipe shall be standard wrought-iron pipe, galvanized.

All machine bolts and screws shall have U. S. standard threads, and threads shall be coated with graphite or other approved material to prevent corrosion. Bolts and screws of brass or bronze shall be used where required by the Engineer.

Section No. 127. All copper letters shall be formed of cold rolled copper and shall be similar to the samples on file in the office of the Engineer.

All enameled signs and reflectors shall be made of the best charcoal iron, No. 18 gauge, pickled and freed from rust and shall be drilled before enameling. Enamel shall be fused to the iron, and not less than two (2) coats of enamel shall be used for each color. Colors shall be as indicated.

Where it is necessary to use expansion bolts the holes in the masonry shall be drilled to exact size for the bolt or sleeve, and no packing shall be used. Expansion bolts shall be of an approved type.

All mouldings shall conform strictly to the cross section indicated on full size drawings, which will be furnished to the Contractor by the Engineer.

Gate ropes shall be made of No. 9 drab bell cord. Provision shall be made for easy access to all electric conduits, wiring, outlets and gate ropes by providing removable panels or handholes with cover plates. All new railings, gates and posts shall be similar in design to those now in place in the stations where such new railings, gates and posts are to be used.

Section No. 129. Low railings (straight or curved) on platforms and bevel railings on stairways shall consist of panels of square bars riveted to top and bottom bars, and bronze top rails secured to the top bars. Top and bottom bars shall be secured to posts with connection angles. Low posts supporting platform railings shall be made of cast iron, paneled as indicated, and secured to platforms with expansion bolts.

The Contractor will be required to change the railings now in place in the stations to provide for the installation of new ticket booths and gates. The old railings shall be cut where necessary and remodeled to conform to the new conditions.

Section No. 130. High posts of two and one-half (2½) inch square steel tubing shall have top flanges of cast iron secured with bolts to the roof steel or concrete and flanges shall be offset, where necessary, for bolting. Outriggers of plates or bars shall be provided where necessary to secure tops of posts. Gate posts shall be made of cast iron, with cast-iron footings and floor boxes, supports for track and pulleys for the gate ropes, and shall be provided with handholes. Cross frames of angles and perforated web plates, and frames for enameled signs, shall be provided over gate openings. Where necessary to support the gate tracks, additional high posts of steel tubing, as hereinbefore specified, shall be provided. Gate ropes shall be enclosed within galvanized wrought-iron pipes imbedded in the concrete floor and connecting the bases of the gate posts with the floor boxes to be installed under the new ticket booths, or shall be enclosed in one (1) inch square steel tubing secured to the under side of the roof construction, as directed by the Engineer.

Pipe railings shall be made of galvanized wrought-iron pipe and shall have special fittings and bases of galvanized cast iron; bases shall be secured to the stairs, landings and platforms with expansion bolts.

Special pipe railings shall be provided at the street surface at Pacific Street station, as indicated on the drawings.

Section No. 131. Sliding gates shall consist of panels of square bars riveted to top and bottom bars. Panels shall be riveted to a built-up frame of angles, bars and perforated web plates, and gates shall be provided with hangers, ball-bearing sheaves, tracks of cold drawn steel, guides and stops. Additional reinforcement shall be provided where necessary to prevent the gates from sagging or changing shape. Gates shall be properly balanced with lead weights and shall operate smoothly.

Section No. 133. The oak hand rails on some of the stairways have been removed and stored in the stations. The Contractor shall replace the oak hand rails and where necessary shall provide new oak hand rails to correspond to the hand rails in place on the stairways. Hand rails shall be supported on and secured to cast-iron brackets spaced not more than five (5) feet six (6) inches on centres, secured to the railings, grilles or walls. Special bends and returns shall be provided and the hand rails shall return to the railings or walls at the top and bottom of stairs. All bends and returns shall be neatly curved and finished, shall be secured at joints with rail bolts and shall be dowelled.

Section No. 134. The ornamental lamps have been removed from the street railing posts at all of the stations from Union Street to 25th Street, inclusive, and have been stored in the stations. The Contractor shall place these lamps on the posts and secure them permanently in place.

Section No. 135. The glass panels in some of the illuminated signs over stairways have been broken. The Contractor shall replace these panels with the same quality and thickness of glass as was originally installed. Copper letters shall be removed from the old panels and placed on the new panels.

Section No. 136. Enameled signs shall be provided on the existing street railings where required to replace signs which have been removed. Where the old signs have been removed and stored in the stations the Contractor shall restore these signs in place on the railings.

Section No. 138. Enameled sign plates shall be secured to steel panel plates by one-fourth (¼) inch brass screws with ends riveted over nuts. Lead or soft copper washers shall be provided under screw heads and nuts. Sign panels on top of street railings shall have signs on one side and panels over stairways shall have signs on two sides. Enameled signs on street railings and over stairways in the street shall in general have white letters on a blue body. Letters and numerals on signs shall be as directed by the Engineer and will vary as to size and numbers.

Enameled signs, reflectors and reflector frames shall be provided on the track walls of station approaches as directed by the Engineer. Signs, in general, shall have black letters on a white body. Signs and frames shall be bolted to the wall concrete or steel and shall be set level. Frames shall be arranged so that the reflectors may be adjustable.

Section No. 141. Steel ladders and platforms shall, unless otherwise specified, consist of stringers of steel channels or other approved sections, with angles riveted on for the support of the treads and platforms. Treads and platforms shall consist of checkered steel plates riveted to the supporting angles. Rails and posts of galvanized wrought-iron pipe, with galvanized fittings and flanges, shall be furnished and supported on the stringers or attached to the structure. Special cast-iron fittings shall be provided where required. Steel ladders shall be provided at the ends of all station platforms. They shall consist of steel bar stringers and round steel rungs, as indicated on the drawings. Grip bars of round steel shall be provided in conjunction with the ladders.

Section No. 143. Platform edge construction shall consist of a supporting angle bolted to the edge or facia angle of the platform overhang construction, a board of long leaf yellow pine resting on and bolted to the supporting angle, and non-slip treads secured to the board with brass wood screws. The holes in the board shall be countersunk to receive the heads of the bolts. The non-slip treads shall be as herein specified for stairs, and shall be set in white lead.

Section No. 145. Railings, gates and posts will be paid for at the prices stipulated in Schedule Items 536 and 537, which prices shall include the cost of all the railings, gates and posts and all their appurtenances, the reconstruction of the present railings, including all cutting and fitting, the cutting out and restoration of concrete floors, the removal of the old railings, and all painting, cutting, drilling, tapping or other work necessary or incidental to the completion of the railings, posts and gates.

Payment under Schedule Item 536 (g) and (h) will be made for the actual length of pipe railings in place measured along the top rail, from out to out of end posts.

Payment under Schedule Item 536 (x) shall include the cost of the removal and reconstruction of the existing railings and railing posts and the furnishing and installing of new railings and railing posts as shown on the contract drawings, except as otherwise specifically provided for in Schedule Items 536 (g) and 537.

Payment under Schedule Item 537 (a) will be made for the actual length of new sliding gates in place, measured horizontally from out to out of end bars of gates, and shall include the cost of tracks, sheaves, pulleys, ropes, weights, hinges, locks, guides and stops.

Section No. 147. Payment under Schedule Item 537 (h) for additional cast-iron floor boxes in place, shall include the cost of pulleys and hand holes for the gate ropes and of removing and replacing the cement floors and floor foundations.

Section No. 148. Payment under Schedule Item 537 (l) for galvanized wrought-iron pipe, in place, imbedded in the concrete floor for the protection of gate ropes, shall include the cost of fittings, and of removing and replacing the cement floors and floor foundations.

Section No. 149. Payment under Schedule Item 537 (m) for one (1) inch square steel tubing, in place, for the protection of gate ropes, and secured to the under side of the roof of the structure and to the railing or gate posts, shall include the cost of all other work necessary or incidental to the completion of the tubing in place, except that included under Schedule Item 537 (n).

Section No. 150. Payment under Schedule Item 537 (n) for cast-iron fittings, in place, for one (1) inch square steel tubing, shall include the cost of all necessary pulleys. Payment under Schedule Item 537 (p) shall include the cost of the cast-iron posts, footings, floor boxes, supports for tracks, pulleys, cross frames, and frames for enameled signs.

Payment under Schedule Item 537 (q) shall include the cost of additional high posts, footings and flanges.

Section No. 154. Enameled reflectors and frames in place on the walls of the station approaches will be paid for at the price stipulated in Schedule Item 540 (f), which price shall include the cost of all anchor bolts, painting, cutting, drilling and tapping, and all work necessary or incidental to the completion of the reflectors and frames in place. The actual length of reflectors and frames installed will be measured for payment.

Section No. 155. Enameled sign plates in place on the stations, station approaches walls, street railings or elsewhere, as herein provided or indicated on the drawings, will be paid for at the price stipulated in Schedule Item 540 (g), which price shall include the cost of all bolts, washers, cutting, drilling, tapping, and all work necessary or incidental to the completion of the enameled sign plates in place. The total area of one side of the enameled sign plates will be measured for payment.

Section No. 156. Copper letters for signs, in place, will be paid for at the price

stipulated in Schedule Item 540 (h), which price shall include the cost of mounting the letters on the glass and all work necessary or incidental thereto. The vertical height of each copper letter will be measured for payment.

New polished plate wire glass panels for illuminated signs over stairways will be paid for at the price stipulated in Schedule Item 540 (i), which price shall include the cost of removing the old glass, changing the copper letters from the old to the new glass, and all other work necessary or incidental to the completion of the new glass panels and the old copper letters in place.

The placing of the old ornamental lamps on the posts of the existing street railings will be paid for at the price stipulated in Schedule Item 540 (j), which price shall include the cost of all work necessary or incidental to placing the lamps permanently in place.

Section No. 158. Steel ladders and platforms, in place, will be paid for at the prices stipulated in Schedule Item 543, which prices shall include the cost of all stairs, landings, posts, rails, fittings, flanges and painting, all cutting, drilling and tapping of the existing structure, and all other work necessary or incidental to the completion of the stairs, platforms, posts and rails in place.

Section No. 160. Oak hand rails in stations will be paid for at the prices stipulated in Schedule Item 544, which prices shall include the cost of all cast-iron brackets, sleeves and supports, painting and varnishing, and all cutting, drilling, tapping or other work necessary or incidental to the completion of the new hand rails and for placing the old hand rails. Payment under Schedule Item 544 will be made for the actual length of oak hand rails measured in place and no additional allowance will be made for offsets, bends or returns.

Platform edge construction will be paid for at the price stipulated in Schedule Item 546. Payment under Schedule Item 546 (a) will be made for the actual area of non-slip treads in place, and shall include the cost of the boards and all work necessary or incidental to the completion of the platform edge construction except the supporting angle, payment for which is provided for in Schedule Item 19.

SUBDIVISION 17.

Plumbing and Drainage.

Section No. 161. All cast-iron pipes and fittings shall be uncoated, sound, cylindrical, free from cracks, sand holes, and other defects, of uniform thickness, and of the grade known in commerce as "extra heavy." Pipe, including hub, shall weigh not less than the following average weights per lineal foot:

Two (2) inches diameter, five and one-half (5½) pounds.
Three (3) inches diameter, nine and one-half (9½) pounds.
Four (4) inches diameter, thirteen (13) pounds.
Five (5) inches diameter, seventeen (17) pounds.
Six (6) inches diameter, twenty (20) pounds.

The size and weight of pipe and also the maker's name shall be cast on each length of pipe.

All joints in cast-iron sockets, pipe and fittings shall be made with picked oakum and molten lead, and shall be thoroughly caulked to insure gas-tight joints. Twelve (12) ounces of fine, soft pig lead shall be used at each joint for each inch in the diameter of the pipe.

All changes in directions shall be made with bends of large radius, and all branches shall be "Y" branches or curved Tees.

Section No. 162. All wrought-iron pipes shall be galvanized, lapwelded, equal in quality to "Standard" and shall be tested by the manufacturer.

Wrought-iron pipe fittings for supply and vent pipes shall be malleable iron steam and water fittings, and shall be galvanized.

All joints shall be screw joints made up with red lead, and the burr formed in cutting shall be carefully reamed out.

Pipe installed in a vertical position shall be firmly held in place by storing pipe rests on supports well fastened to the walls. Where hung from the ceilings, pipes shall be held in place by approved iron hangers, securely fastened to the roof. Pipes carried above the floor shall be supported at suitable intervals. Special care shall be taken to thoroughly insulate all pipes and fittings from the steel work of the structure as directed by the Engineer.

Section No. 164. All lead for caulking purposes shall be soft, pure pig lead, free from any admixture of antimony, zinc, or other metal. No scrap lead shall be used.

Section No. 165. All stop valves less than four (4) inches in diameter, except where otherwise specified or indicated on the drawings, shall be standard bronze globe valves. Where four (4) inches or more in diameter, they shall be standard gate valves with cast-iron bodies, bronze valves and valve seats. All check valves shall be of the swinging type and where less than four (4) inches in diameter shall be of bronze. Where four (4) inches or more in diameter they shall have cast-iron bodies and bronze valves and valve seats.

Section No. 166. The entire work shall be arranged and executed in strict conformance with the specifications and the drawings showing the plumbing work and the location of the plumbing fixtures, and in accordance with the conditions of each station, as actually constructed. Unless special permission is obtained from the Engineer to deviate from the lines as laid out in the drawings, these lines shall be followed.

All soil, waste, vent and supply pipes, except where otherwise indicated, shall be run in specially arranged pipe chambers between an outer partition and the side walls. The soil pipes shall be connected with the main drain in such a manner that they may be wholly inclosed within the pipe chambers. All pipes and valves installed in the above wall space shall be arranged so as to be easily accessible for maintenance and repairs.

Section No. 167. All main soil pipes shall be of cast iron four (4) inches in diameter except when otherwise indicated. Soil pipe extensions for ventilating shall be three (3) inch wrought-iron pipe. All soil and waste pipes shall have a fall of at least one-fourth (¼) of an inch per foot, and the soil pipes shall be provided with approved gate and check valves where indicated on the drawings. All vent pipes shall have a sufficient fall to insure proper drainage. All offsets in soil and vent pipes shall be made at an angle of not more than forty-five (45) degrees to the center line of the pipes.

Section No. 168. The soil pipe shall be trapped by a running trap before it connects with the sewer, where indicated on the drawings. The trap shall be provided with an accessible hand hole on each side for cleaning. A galvanized wrought-iron pipe ferrule and flanges shall be provided where the discharge pipe passes through the structure.

Section No. 169. All supply pipes shall be of wrought iron as hereinbefore specified. Supply pipes shall not have any depressions or sags and shall be set to such grade that they may be easily and completely emptied. No check valves shall be used unless specially called for. The supply to each fixture shall be fitted with a valve so that each fixture may be independent.

The extensions of the existing water pipes under the platform overhang to the signal towers shall be one (1) inch in diameter. Branches for lavatories in signal towers shall be not less than three-fourths (¾) inch in diameter. Flushing pipes shall be one (1) inch in diameter.

Section No. 170. A check valve shall be provided on supply mains where indicated.

Section No. 173. The plumbing work for the signal towers shall be tested by the Contractor, in the presence of the Engineer, under a water, smoke or chemical test as directed. All pipes installed under this contract shall be uncovered in every part until they have successfully passed the test. The Contractor shall securely close all openings as directed, the use of wooden plugs for this purpose being prohibited.

All supply pipes shall be tested with City water pressure.

All surface pipe shall be given two coats of approved paint when directed by the Engineer.

Section No. 174. The rough plumbing work for the three (3) signal towers will be paid for at the price stipulated in Schedule Item 547, which price shall include the cost of all labor and material necessary to complete the plumbing and drainage system of the three (3) signal towers, as indicated on the drawings, with the exception of the furnishing and setting of the plumbing fixtures and their connection to the rough plumbing, payment for which is otherwise specifically provided for in the Schedule.

Payment under Schedule Item 547 shall also include the cost of all excavation, back-filling, restoration of street surface, cutting and repairing the existing subway structure, repairing waterproofing, maintaining, protecting and securing the existing subway structure, all subsurface structures and adjacent buildings and performing all other work incidental to the completion of the sewer connections.

SUBDIVISION 18.

Plumbing Fixtures.

Section No. 175. All plumbing fixtures, fittings and hardware in toilet rooms of signal towers shall be of an approved type and shall be designed so that they will as far as possible be vandal-proof. All toilet fixtures shall be provided with shut-off valves on the supply and flush connections.

All vitreous ware shall be non-absorbent throughout and of a homogeneous mass, free from fine cracks, dents and crazes. The right is reserved to test one piece of each pattern, make or design, selected at random from each lot and broken in the presence of the Engineer, for absorption by immersion in red alkaline ink or by other approved method. If the piece passes the test satisfactorily, the lot represented by the piece tested will be accepted and the broken fixture will be paid for at the prices provided in the Schedule of Unit Prices. If the piece tested does not pass the test satisfactorily, the whole lot may be rejected and no allowance will be made for the broken fixture.

All fixtures shall be ground true to set against the walls and warped fixtures will not be accepted. Each fixture shall be of sufficient strength to support, when in place, a load of two hundred and fifty (250) pounds concentrated on any part of the fixture, without any signs of failure. All fixtures of their respective kinds shall be interchangeable, of the same mould and pattern, with supply and outlet openings, bolt holes, etc., in the same relative position. The weight of fixtures shall vary not more than five per centum (5%) from the weight specified.

Section No. 176. The water closet bowls for the signal tower at Gold Street station shall be made of the best vitreous ware and shall be of the blow-out type with double concealed jets. The bowls shall have extended front lips, flushing roll rim, integral seats with openings not less than eight (8) inches by twelve and three-fourths (12¾) inches, and shall be supported on cast-iron wall chairs imbedded in and anchored to the floors or on special steel framing, as may be required by the Engineer, and the soil lines shall not be depended upon for supports. The weight of each bowl, without fittings, shall be fifty (50) pounds. The connections between the bowls and the soil lines shall be by means of cast brass flanges. Each bowl shall be fitted with a one and one-half (1½) inch rough brass flush valve with integral stop, the flush valve being set behind the pipe chamber partition, fitted with a porcelain push button marked "Push," and a brass sleeve, finished where exposed on surface of wall, and secured with lock nut and set screw. The bowls shall be secured to the cast iron chairs or steel framing with one-half (½) inch brass bolts, heads finished where exposed, and each bolt shall be fitted with two (2) lock nuts and washers.

The water closets for the signal towers at De Kalb Avenue and Pacific Street stations shall be pump water closets. The bowls shall be complete with heavy vitreous porcelain oval flushing rim, bowl having refill and being thirteen and one-half (13½) inches wide, eighteen (18) inches long, and twelve and one-fourth (12¼) inches high over all with seat extension, back inlet and four-hole bolt flange. The bowl outlet shall be on the center line of width, and nine and one-half (9½) inches from center to front of bowl. Each bowl shall have a rough brass self-closing three-fourths (¾) inch iron pipe size supply valve, with heavy chain and ring pull and a heavy cast brass three (3) inch inside diameter discharge pump set at right angles, with base for securing to floor. The center of the pump chamber shall be on line with the bowl outlet, twelve and one-fourth (12¼) inches center to center, and with discharge outlet five and five-sixteenths (5 5/16) inches from center to floor. The outlet shall be furnished with a coupling elbow for two (2) inch iron pipe size connection, and a horizontal pump handle with polished cherry or oak grip. Seats shall be of polished cherry or oak, with heavy rough brass hinges and heavy bumpers. The bowl shall be secured to the base by four (4) bolts with washers. The weight of each bowl without fittings shall be thirty (30) pounds.

Section No. 178. All lavatories for signal towers shall be made of the best vitreous ware, with integral backs and hangers, shall have brass pop-up wastes, rough brass self-closing faucets with coupling for one-half (½) inch iron pipe, one (1) one-half (½) inch rough brass shut-off valve and one (1) one and one-half (1½) inch rough brass trap. The width and method of support of these lavatories shall be as indicated on the drawings.

Section No. 184. The plumbing fixtures will be paid for at the prices stipulated in Schedule Item 548, which prices shall include the cost of furnishing and setting the fixtures with valves, fittings and supports complete (except as provided in Section No. 189), including all connections from the fixtures to the rough plumbing work.

SUBDIVISION 19.

Soapstone and Fittings in Toilets.

Section No. 185. All wainscoting, partitions and shelves in toilet rooms shall be of soapstone, with all exposed surfaces in toilet rooms rubbed smooth, and shall be of one (1) inch average thickness. Pipe chamber partitions shall be secured at top and bottom to steel angles by round head machine screws. Pipe chamber shelves shall be supported on steel angles and secured with round head machine screws. Toilet stall partitions shall be supported on steel angles, as indicated on the drawings. Special precautions shall be taken to protect the above materials, and sheet lead, lead washers or other approved material shall be used to separate them from the steel or iron.

Section No. 186. Steel angles shall be built into the walls or securely fastened thereto with expansion bolts and shall be braced where necessary. Special framing of steel angles and plates shall be provided for the support of the water closet bowls, urinals and lavatories. The lower angles supporting partitions shall be anchored to the floor or masonry foundation. The angles shall be painted with a shop coat, and after erection with a first field coat as hereinafter provided for railings.

All round head machine screws shall be of brass, five-sixteenths (5/16) of an inch in diameter, with three-fourths (¾) inch washers.

Section No. 187. Soapstone partitions and shelves in toilet rooms of signal towers will be measured in place in the work and only the actual amount installed will be paid for. Payment for such work will be made at the prices stipulated in Schedule Item 550, which prices shall include the cost of furnishing and setting the soapstone, all cutting, fitting or other work and material incidental to setting the soapstone, and all cutting of the soapstone incidental to setting the plumbing fixtures. No allowance will be made for material delivered but not set.

Section No. 189. Steel angles and plates or other material required for the support of the soapstone partitions, shelves and plumbing fixtures will be paid for at the price stipulated in Schedule Item 552, which price shall include the cost of all steel framing and supports complete in place ready for setting the partitions, shelves and plumbing fixtures, and the drilling and tapping of the supports to receive the bolts securing the partitions, shelves and plumbing fixtures in place.

SUBDIVISION 20.

Electric Work.

Section No. 191. All electric conduits shall, unless otherwise specified, be of the best grade standard weight wrought-iron or steel piping, protected inside and outside by a coat of zinc, enamel, or other approved preservative. All conduit shall be delivered to the work in bundles of full length pipes, each length marked with the trade-mark of the manufacturer. All conduit shall bend cold ninety (90) degrees about a radius equal to ten (10) diameters without signs of flaw or fracture in either pipe or enamel. Flexible conduit shall be provided where specially called for on the drawings. Samples of conduit and boxes shall be submitted for approval before proceeding with the electric work.

Section No. 192. All conduits shall be carefully cleaned before and after erection, all ends shall be reamed free from burrs, and inside surfaces shall be free from all imperfections liable to injure the cable. All joints shall be made with standard couplings.

Conduit built into the masonry or other parts of the structure shall be properly protected and supported, to prevent their becoming injured by the building operations.

Conduit shall be protected at all times from the entrance of water or other foreign matter by being well plugged overnight or when the work is temporarily suspended, and furnished with iron caps if to be left dead ended. Special care shall be taken with conduits which are to be buried in masonry, to prevent their becoming choked with cement.

Section No. 193. Bends and offsets may be made in the field if proper tools are used, but in no case shall deformed, split or crushed conduit be used. Not more than two (2) right angle bends shall be made between any two (2) outlet boxes without special approval of the Engineer.

All elbows, conduit fittings, boxes or other materials installed in the work shall be protected inside and outside by a coat of zinc, enamel, or other approved preservative. All joints and connections shall be well treated with red lead and made watertight. Boxes shall be set square with adjacent ceiling, floor, wall or beam line, and shall have all conduit enter squarely.

Conduit shall be so placed in the floor that no portion shall be less than two (2) inches from the finished floor surface, except where the steel floor construction makes

less cover unavoidable; in the latter case a minimum cover of one and one-half (1½) inches will be permitted.

Section No. 194. All outlet and pull boxes shall be made of cast iron with openings threaded for the conduit ends, and conduit shall be screwed into these openings and made up with red lead to effect a water-tight joint. All conduit ends inside of boxes shall be fitted with bushings. Covers shall be of cast iron and water-tight, and no other boxes or covers shall be used except under special permission of the Engineer.

Outlet boxes shall be placed at all light locations, as indicated on the drawings. Boxes shall be firmly and permanently secured in place, and if held with screws passing through the back, shall be made water-tight by means of a lead washer under the screw head. No box shall be drilled for more conduits than actually enter the same.

Pull boxes shall be provided where indicated on the drawings, or where, in the opinion of the Engineer, they are necessary. In general a pull box shall be provided for every one hundred (100) feet of continuous conduit. These boxes shall be of ample size to receive without crowding all conduits entering them. All boxes shall be accessible when wall or ceiling finish is in place, and where covers are exposed on finished wall or ceiling they shall be secured to the boxes with button head brass machine screws and painted as hereinafter provided for the upper portions of columns.

Section No. 195. Heater boxes shall be of cast iron, with approved white enameled or bronze finish register faces, as directed, fastened to the boxes with countersunk brass machine screws. Heater boxes shall be located as indicated on the drawings.

Section No. 197. Asbestos lumber boxes for use as conduits shall be furnished and installed in the signal towers at the Pacific Street and De Kalb Avenue stations, as indicated on the drawings. Asbestos lumber shall be one-half (½) inch thick, of first quality and made of fibre asbestos containing no organic matter, bound together with hydraulic cement under pressure into solid homogeneous sheets of the sizes indicated on the drawings, and shall be well seasoned, sound, dense, clean and perfect. A sample of the asbestos lumber which the Contractor proposes to use on the work shall be submitted to the Engineer for approval before ordering this material.

Section No. 198. The electric work at each station has been installed under a previous contract. The Contractor will be required to install additional conduits, boxes, etc., as indicated on the drawings and to connect the new work with that already in place.

Section No. 199. No permanent wiring, switches, transformers, light fixtures or lamps will be required under this contract, but such temporary wires, fixtures and lamps as may be necessary for the proper conduct of the work under this contract will be required as hereinbefore specified.

Section No. 200. Measurements for conduit shall be per lineal foot of single conduit placed in the work, including all bends, offsets and fittings in accordance with the requirements, and conduits will be paid for at the prices stipulated in Schedule Items 554 (a), (b) and (g).

Section No. 201. Cast-iron pull boxes furnished and placed in the work will be paid for at the price stipulated in Schedule Item 556.

Section No. 204. The prices stipulated in Schedule Items 554 (a), (b) and (g) and 556 shall include the cost of all cutting of woodwork, cutting and drilling of concrete or other masonry, the restoration of concrete floors, drilling and tapping of steel and all work incidental thereto and necessary to complete the electric work at each station as herein specified and as indicated on the drawings. These prices shall also include the cost of the "snaking" of the conduit installed under this contract with steel band wire to make sure that all conduits and fittings are clear and in proper shape for the installation of the wires. Any new conduit which cannot be thus "snaked" shall be removed and replaced by the Contractor at his own expense.

Asbestos lumber boxes in the signal towers at the Pacific Street and De Kalb Avenue stations as shown on the contract drawings will be paid for at the price stipulated in Schedule Item 560 (b), which price shall include the cost of all labor and material necessary to complete the asbestos lumber boxes in place.

SUBDIVISION 21.

Painting.

Section No. 205. All iron, steel and wood work within the limits of the stations which will be exposed when the station is completed, the track columns outside station limits in that part occupied by the temporary sewer, and all iron, steel and wood work installed as a part of this contract except hollow metal and metal covered wood work, shall be painted or varnished as hereinafter specified.

Section No. 206. All paint and varnish shall, unless otherwise specified, be manufactured by any of the following named firms:

Patterson-Sargent Co., Cleveland, Ohio
Patton Paint Co., Newark, N. J.
Harrison Bros. & Co., Philadelphia, Pa.

and these firms are hereinafter referred to as "P. S.", "P" and "H. B.", respectively.

The paint for the shop coat shall be mixed as needed, and shall be a mixture of the proportion of 500 pounds of red lead to 16½ gallons of linseed oil (2/3 by volume raw and 1/3 by volume boiled).

Section No. 207. Raw linseed oil shall conform to the specifications of the American Society for Testing Materials for the purity of raw linseed oil from North American seed, adopted August 25, 1913.

Boiled linseed oil shall be made of pure linseed oil heated with lead and manganese salts.

When boiled linseed oil is flowed over a plate of glass and allowed to drain in a vertical position, it must dry free from tackiness in fifteen (15) hours at 70° F.

Section No. 208. Red lead for the shop coat shall be of the best quality, free from all adulteration and shall contain not less than 80% nor more than 90% "true red lead" ($Pb_3 O_4$), not over 1% inert hearth materials (such as silica and alumnina) and not more than 0.1% metallic lead; the remainder shall be pure lead monoxide (PbO). It shall contain no organic coloring matter and when shaken up with water shall show no alkaline reaction. It shall be of such fineness that 99½% will pass through a standard 200-mesh sieve.

By standard 200-mesh sieve is meant the 200-mesh sieve described in the specifications of the American Society for Testing Materials for Portland Cement, adopted August 16, 1909.

Section No. 209. All railings, posts, gates, tubing, steel ladders and platforms installed under this contract and the lower portion of platform columns adjacent to the east track of Pacific Street station for a height of five (5) feet above the platform shall be painted as follows:—

Shop coat: coat of red lead and linseed oil. (This coat will be omitted on cast iron, but will not be omitted on columns adjacent to the east track of Pacific Street station.)

First field coat: either P. S. "Nobrac Black"; P. Red Inhibitive "Ironhide"; or H. B. Black Rust Inhibitive Antoxide.

Second field coat: either P. S. Nobrac Olive; P. Olive Green Ironhide; or H. B. Rust Inhibitive Antoxide Bronze Green.

Section No. 210. The upper portions of platform columns, adjacent to the east track at Pacific Street station, all exposed roof steel over the east track at this station and posts and exposed pipes in toilet rooms of signal towers, shall be painted as follows:

Shop coat: coat of red lead and linseed oil. (This coat will be omitted on cast iron.)

First and third field coats: P. S. "B. P. S." semi-flat white; P. Sunproof inside white; or H. B. "Town and Country" paint, inside glossed white.

Second field coat: P. S. "B. P. S.", inside flat white; P. Sunproof, inside flat white; or H. B. "Town and County" inside flat white.

The track columns adjacent to the east track within the part occupied by the temporary sewer, and the roof steel over this track within the same limits, except at Pacific Street station, shall be painted as follows:

First field coat: coat of red lead and linseed oil.

Second field coat: P. S. "B. P. S.," inside flat white; P. Sunproof, inside flat white; or H. B. "Town and Country" inside flat white.

Third field coat: P. S. "B. P. S.", inside flat white; P. Sunproof, inside flat white; or H. B. "Town and Country" inside flat white, shaded to match adjacent steel of existing structure.

Section No. 211. All new wood hand rails in stations shall be filled with either P. S. "B. P. S." Dark Hard Wood Filler followed by three (3) coats of P. S., "B. P. S." Exterior Spar Varnish: P. best grade of Dark Hard Wood Filler followed by three (3) coats of P. Mast Spar Varnish; or, H. B. Dark Wood Paste Filler followed by three (3) coats of H. B. Vitrolac "E" Varnish.

All existing railings, posts, grilles, gates, turnstiles, gate controls, ventilation grilles, tubing, sign frames, hoods, vent posts and sign posts within the limits of the stations and on the street surfaces, and the lower portion of platform columns for a height of five (5) feet above the platforms shall be given one (1) coat of paint as specified for the second field coat in Section No. 209. The portion of platform columns above a height of five (5) feet from the platforms shall be given one (1) coat of paint as specified for third field coat in Section No. 210. The existing wood hand rails shall be given one (1) coat of varnish, as specified in Section No. 211.

Section No. 212. Before the application of the shop coat and the first field coat the metal shall be thoroughly cleaned with wire brushes or otherwise, as necessary, and wiped dry from all surface water. Before applying each field coat the iron and steel shall be given a thin coat of a mixture composed of one-half (½) each of turpentine and benzine, and the paint shall be placed when this coat of turpentine and benzine has practically dried, but before becoming absolutely dry.

Where the shop coat has become damaged before or after erection, through any cause whatever, it shall be renewed with the same kind of paint as originally used, such renewal to be considered only as a part of the original shop coat.

All paint and varnish shall be well brushed out so as to show a smooth, even film of uniform thickness. Round brushes shall be used exclusively in applying paint.

Section No. 215. The letters and numerals indicating the stations shall be painted on all platform columns. The letters and numerals shall be laid out from stencils made from full size drawings to be furnished by the Engineer and shall be painted in black on the white surface of the columns.

Section No. 216. Painting will be paid for at the prices stipulated in Schedule Item 561 (d) and (e), which prices shall include the cost of the paint and all work incidental and necessary to the painting and varnishing.

Payment for the painting or varnishing of all iron, steel and woodwork furnished and installed under this contract will be included in the prices stipulated in the Schedule for these materials and such painting or varnishing will not be included under Schedule Items 561 (d) and (e).

Payment under Schedule Item 561 (d) will be made for the actual number of letters and numerals painted and no additional allowance will be made for punctuation marks as payment for these is deemed to be included in the price stipulated in the Schedule for letters and numerals. Arrows or other devices painted on sign panels or columns will be classed as either letters or numerals.

SUBDIVISION 22.

Special Matters.

Section No. 217. The provisions of this subdivision are for the purpose of covering matters which are special to this contract and which are not fully covered in the general specifications, but except as herein otherwise *expressly* provided the foregoing general speifications are to be construed as applying to matters under this subdivision. In case of any conflict between the provisions of the foregoing general specifications and the provisions of this subdivision, the provisions of this subdivision shall govern.

The Contractor will be permitted to use the stairways and platforms of the stations in order to bring in and remove his plant and material and to obtain access to the work, but only at such times and in such manner and with such precautions as will avoid damage or injury to the Railroad and interference with other contractors and with the use and operation of the stations for passenger service.

The Contractor shall remove and reset in a new location the marble lintel over the doorway to the signal tower at De Kalb Avenue station. Payment for removing and resetting said marble lintel will be made at the price stipulated in Schedule Item 520 (x), which price shall include the cost of furnishing and placing two (2) new marble blocks and all cutting and other work necessary or incidental to changing the lintel.

The removal and disposal of old masonry of whatever kind will be paid for at the price stipulated in Schedule Item 9-D, except where payment is otherwise specifically provided; the volume being taken as the actual volume of masonry of whatever kind removed as measured in place before removal. The cost of removing waterproofing shall be deemed to be included in the price stipulated in Schedule Item 9-D.

The floor of the signal tower at Pacific Street station is of reinforced concrete, and is now in place. Openings shall be cut in this floor, ferrules of two and one-half (2½) inch galvanized wrought-iron pipe set therein as indicated on the drawings, and the floor slab and floor finish restored and completed. Payment for cutting out, removing and disposing of concrete will be made at the price stipulated in Schedule Item 9-D; payment for furnishing and setting the ferrules will be made at the price stipulated in Schedule Item 554 (h); payment for restoring the floor slab will be made at the prices stipulated in Schedule Items 6 and 21; and payment for completing the floor finish will be made at the price stipulated in Schedule Item 523 (c).

Ferrules similar to those described above shall also be placed in the new signal tower floor at De Kalb Avenue station, and will be paid for at the price stipulated in Schedule Item 554 (h).

The Contractor may be required to remove and replace vault lights, repair leaks and perform such other construction or station finish work upon the existing subway structure as may be directed by the Engineer. Payment for such work will be made at the prices stipulated in the Schedule of Unit Prices where applicable or as provided in Article XII.

Where required by the Engineer the Contractor shall resurface concrete masonry, except those surfaces which are to be tiled or plastered, by the application of a neat Portland cement mortar. For resurfacing concrete masonry with neat Portland cement mortar payment will be made at the price stipulated in Schedule Item 11-A.

The Contractor shall start work on the signal towers at Gold Street, De Kalb Avenue and Pacific Street stations at the beginning of the work to be done under this contract, and shall complete the work in connection with these signal towers (except doors, windows, plumbing fixtures and finish of the outside of the exterior walls) within one (1) month from the date of delivery of this contract, in order that they may be put into use for the operation of the Railroad; and the Contractor shall complete said doors, windows, plumbing fixtures and finish of the outside of said exterior walls as soon thereafter as possible. The City, the Commission and the New York Consolidated Railroad Company, its successors or assigns, shall have the right to use said signal towers or any of them and to install and use machinery therein at any time after the expiration of one (1) month from the date of delivery of this contract or at such earlier time as said signal tower or towers so used (except doors, windows, plumbing fixtures and finish of the outside of the exterior walls) shall be completed, and the Contractor shall not receive any additional compensation therefor.

CHAPTER IV.

Security to Be Furnished by Contractor.

Article XXVII. Simultaneously with the execution and delivery of this contract the Contractor shall give security for the performance of his obligations by filing with the Comptroller a bond in the form annexed hereto and entitled "Form of Contractor's Bond," executed by the Contractor and by two or more sureties to be corporations or persons approved by the Commission, in the sum of ten thousand dollars ($10,000). The execution of the bond must be duly proved before the delivery of the bond in the form of proof essential to entitle a deed to record in the State of New York and full affidavits of justification of the sureties must be added. In case any of the sureties upon the bond shall become insolvent or unable in the opinion of the Commission to pay promptly the amount of such bond to the extent to which such surety might be liable, then the Contractor within ten (10) days after notice by the Commission to the Contractor shall, by supplemental bond or otherwise, substitute another and sufficent surety approved by the Commission in place of the surety so insolvent or unable. If the Contractor shall fail within such ten (10) days or such further time, if any, as the Commission may grant to substitute another and sufficient surety, then the Contractor shall, if the Commission so elect, be deemed to be in default in the performance of his obligations hereunder and upon the said bond, and in addition to any and all other remedies the Commission may terminate this contract or may bring any proper suit or proceeding against the Contractor and the sureties or either of them or may require the Comptroller to deduct from any moneys then due or which thereafter may become due to the Contractor under this contract the amount for which the surety insolvent or unable as aforesaid shall have justified on the bond; and the moneys so deducted shall be held by the Comptroller as collateral security for the performance of the condition of the bond and such moneys shall in such case be deemed to have been paid to the Contractor upon this contract.

Article XXVIII. The Contractor may, upon the approval of the Commission, deposit with the Comptroller in lieu of said bond cash equal in amount to the entire amount of the said bond or securities which are worth not less than the entire amount of such bond. If securities be deposited, they shall be securities which are lawful for the investment of funds of savings banks within the State of New York and shall be

approved by the Commission. A schedule of such securities with their values shall be annexed hereto and entitled Schedule of Securities, and there shall be deposited with such securities the written approval of the Commission which it shall give when satisfied as to the character and value thereof. All securities when deposited must be payable to, or run in favor of, or be transferred to, the Comptroller. In case any of the securities so deposited shall, in the opinion of the Commission, at any time cease to be of the character of securities which are lawful for the investment of the funds of savings banks within the State of New York or shall in the opinion of the Commission at any time become of less value than the value stated for it or them in the said schedule, then within ten (10) days after notice to the Contractor of the objection of the Commission, the Contractor shall either substitute therefor securities which shall be approved by the Commission as of the character aforesaid and as being of at least the value of the former securities to which the Commission shall have objected as such value was originally stated in the said schedule or shall deposit with the Comptroller in cash the amount of such value of such former securities as so originally stated. In case the Contractor shall not within such ten (10) days or such further time, if any, as the Commission may grant substitute such new securities or make such deposit of cash, he shall, if the Commission so elect, be deemed to be in default in the performance of his obligations under this contract; and in addition to any and all other remedies against the Contractor, the Commission may require the Comptroller to deduct from any moneys then due or which thereafter may become due to the Contractor under this contract the amount of the original valuation of such securities objected to, and to hold such amount in lieu of such securities as if part of the original deposit or as if deposited with the Comptroller as aforesaid, and such moneys shall in such case be deemed to be paid to the Contractor upon this contract. The securities so objected to shall upon such substitution of securities or deposit of cash in lieu thereof be returned to the Contractor.

The City shall from time to time collect all interest, dividends and other income on any securities deposited by the Contractor and shall pay the same, when and as collected, to the Contractor. If the securities are in the form of coupon bonds, the coupons as they respectively become due shall be delivered to the Contractor. If the deposit be made in cash, interest shall be paid to the Contractor on such deposit at the average rate of interest received by the City on its bank balances during such period. Provided, however, that the Contractor shall not be entitled to interest, dividends or other income on any cash which shall be used or applied as hereinafter provided or on any securities the proceeds of which shall be used or applied as hereinafter provided.

Article XXIX. The said deposit, whether in cash or securities, in the form and as the same shall at any time be, shall be security for the faithful performance by the Contractor of all the covenants, conditions and requirements specified and provided for in this contract. In case of any default on the part of the Contractor in such performance and in the further case that the City shall for or by reason of such default, whether by reason of employment of another contractor or contractors or otherwise, incur or become liable for expense or be required to make any payment or incur or suffer any loss or damage, then the Comptroller shall, upon the requirement of the Commission, forthwith pay or apply to the use of the City the amount of such expense, payment, loss or damage, including any liquidated damages, out of the said deposit in cash or securities or out of the portion of the deposit remaining at the time.

Article XXX. If such deposit be in securities, the Comptroller shall, upon the requirement of the Commission, in order to make such payment or application to the use of the City, sell at public auction in New York any of the securities which may then constitute part of such deposit upon notice to be published in three (3) daily newspapers, the first publication to be not less than ten (10) days before the sale and such publication to be made three (3) times within such ten (10) days. The Comptroller, in his discretion may, and upon the requirement of the Commission shall, adjourn such sale from time to time by announcement at the time and place appointed for such sale or for such adjourned sale or sales; and without further notice or publication he may make such sale at the time and place to which the same shall be so adjourned. The Comptroller shall, upon the requirement of the Commission, deduct from the proceeds of any such sale all expenses thereof and of such advertisement and pay and apply to the use of the City so much of the residue of such proceeds as may be necessary for the purpose aforesaid. And the Contractor within ten (10) days after notice from the Commission so to do shall by further deposit, according to the requirement of the Commission, of money or securities of the character aforesaid approved by the Commission restore the said deposit with the Comptroller to the full amount originally required; and in case the Contractor shall not within such ten (10) days or such further time, if any, as may be granted by the Commission, make such further deposit of money or securities, he shall, if the Commission so elect, be deemed to be in default in the performance of his obligations under this contract; and in addition to any and all other remedies against the Contractor the Commission may require the Comptroller to deduct from any moneys then due or which thereafter may become due to the Contractor under this contract such amount as may be necessary to restore the said deposit with the Comptroller to the full amount originally required; and the Comptroller shall hold the money so deducted as if part of the original deposit or as if deposited with him as aforesaid; and such moneys shall in such case be deemed to be paid to the Contractor upon this contract. In addition to, or in lieu of, the sale above provided for, the Commission may, in the name and in behalf of the City, bring any appropriate suit or proceeding in any proper court to enforce the lien and claim of the City in and upon the said deposit, whether such deposit be in money or securities.

Article XXXI. If at any time when the Contractor shall otherwise be entitled to a return of the said deposit, there shall be pending any claim for injury or alleged injury to person or property occurring or alleged to have occurred on account of the work hereunder, whether by reason of the negligence, fault or default of the Contractor or otherwise, or any claim for infringement or alleged infringement of patents, or any other claim on account of any neglect, fault or default or alleged neglect, fault or default of the Contractor, for which it shall be claimed that the City shall be liable, then and in that case the said deposit, including all interest, dividends and other income thereafter accruing thereon, or such part thereof as the Commission may prescribe shall, upon the requirement of the Commission, be reserved by the Comptroller as security against such claims for a time not exceeding the time when such claims would be legally barred. If and when the liability of the City on such claim or claims shall have been established by a judgment of a court of competent jurisdiction or such claim or claims shall have been admitted by the Contractor to be valid, the City may deduct the amount of such claim or claims from the said deposit before the balance of the said deposit shall be returned to the Contractor as hereinafter provided. For the purpose of making such deduction the Comptroller may sell any of the securities which may constitute part of such deposit in the manner provided in Article XXX.

Article XXXII. When the Contractor shall have fully completed the Works according to the terms of this contract and the Commission shall so certify, the Comptroller shall pay and deliver to the Contractor the said deposit or so much thereof as shall not be reserved, or shall not have been used or applied, for any of the purposes herein mentioned.

Article XXXIII. In addition and as further security there shall be deducted ten per centum (10%) of the amounts certified from time to time to be due to the Contractor. Such retained percentages shall be held as further security for the faithful performance by the Contractor of all the conditions, covenants and requirements specified and provided for in this contract. The Contractor may from time to time withdraw portions of the amounts so retained upon depositing with the Comptroller corporate stock of the City of a market value equal to the amount withdrawn, in which event the provisions of this chapter in respect of securities shall apply to such corporate stock.

CHAPTER V.

Payments to Contractor.

Article XXXV. In order to assist the Contractor to prosecute the work advantageously, the Engineer shall, from time to time as the work progresses, but not more often than once a month, make in writing an estimate, such as in his opinion shall be just and fair, of the amount and value of the work done and materials incorporated in the work by the Contractor according to the terms of this contract (but it is understood that in making such estimates the Engineer shall not necessarily be governed by the prices contained in the Schedule of Unit Prices), provided, however, that estimates may at any time be withheld or reduced if, in the opinion of the Engineer, the work is not proceeding in accordance with this contract. The first such estimate shall be of the amount and value of the work done and materials incorporated in the work since the Contractor commenced the performance of this contract on his part. Every subsequent estimate except the final estimate shall be of the amount and value of the work done and materials incorporated in the work since the last preceding estimate was made, provided, however, that no such estimate shall be required to be made when, in the judgment of the Engineer, the total value of the work done and materials incorporated in the work since the last preceding estimate amounts to less than ten thousand dollars ($10,000). No materials not incorporated in the work shall be included in any estimate.

Article XXXVI. Such estimates shall not be required to be made by strict measurement, but they may be made by measurement or by estimation or partly by one method and partly by the other, and it shall be sufficient if they are approximate only.

Article XXXVII. Upon each such estimate being made and certified in writing to the Commission, the Commission shall prepare and certify a voucher for ninety per centum (90%) of the amount stated in such estimate or certified to be the value of the work done and materials furnished as provided in Article XXXIII, and the City shall within thirty (30) days after the date of the certification of such voucher by the Commission pay the same; provided, however, that the City may at all times reserve and retain from said partial payments or any of them, in addition to the ten per centum (10%) above mentioned to be retained and reserved, any sum or all sums which by the terms hereof or of any law of the State of New York it is or may be authorized to reserve or retain.

Article XXXVIII. Whenever, in the opinion of the Engineer, the Contractor shall have completely performed this contract on his part and all work under this contract, the Engineer shall so certify in writing to the Commission and in his certificate shall state from actual measurements the whole amount of work done by the Contractor and also the value of such work under and according to the terms of this contract. On the expiration of forty (40) days after the acceptance by the Commission of the work herein agreed to be done by the Contractor and the filing of a certificate of the completion and acceptance of the work in the office of the Comptroller signed by the Engineer and the Commission, the City shall pay to the Contractor the amount remaining after deducting from the amount or value of such work under and according to the terms of this contract as stated in such last-mentioned certificate all such sums as shall theretofore have been paid to the Contractor under any of the provisions of this contract (exclusive of interest, if any, paid under the provisions of Article XXXIX) and also any sum or all such sums of money as by the terms hereof the City is or may be authorized to reserve or retain; provided, that nothing herein contained shall be construed to affect the right, hereby reserved, of the Commission to reject the whole or any portion of the aforesaid work should the said certificate be found or known to be inconsistent with the terms of this contract or otherwise improperly given. All prior certificates upon which partial payments may have been made, being merely estimates, shall be subject to correction in the final certificate, which final certificate may be made without notice thereof to the Contractor or of the measurements upon which it is based.

Article XXXIX. If the payment of the amount due the Contractor on any voucher shall be delayed beyond the time stipulated in Article XXXVII in the case of partial payment, or Article XXXVIII in the case of final payment, the City shall pay the Contractor interest on such amount at the rate of four and one-half per centum (4½%) per annum for the period of such delay; it being understood that such payments of interest, if any, are to be in lieu of any claim of the Contractor for alleged damages for breach of contract or otherwise in case of delayed payments. Provided, however, that the Contractor shall not be entitled to interest on any sum or sums which by the terms hereof or of any law of the State of New York the City may be authorized to reserve or retain. The term for which interest shall be paid shall be reckoned, in the case of a partial payment from the thirtieth day after the certification of such voucher by the Commission, and in the case of a final payment from the fortieth day after the acceptance of the work by the Commission and the filing of such certificate of the completion and acceptance of the work in the office of the Comptroller, to the date of payment of the voucher. The date of payment of a voucher shall be considered the day on which the voucher is ready for payment as evidenced by the records of the Department of Finance. If interest shall become due on any partial payment, the amount thereof, as determined by the Commission, shall be added to a succeeding payment. If interest shall become due on a final payment, it shall be paid on a supplementary voucher prepared by the Commission and forwarded to the Comptroller for payment in the usual manner.

Article XL. The City shall not nor shall any department or officer thereof be precluded or estopped by any return or certificate made or given by the Commission, Engineer or any other officer, agent or appointee thereof under any provision of this contract from at any time either before or after the final completion and acceptance of the work and payment therefor pursuant to any such return or certificate, showing the true and correct classification, amount, quality and character of the work done and materials furnished by the Contractor or any other person under this contract or from showing at any time that any such return or certificate is untrue and incorrect or improperly made in any particular or that the work and materials or any part thereof do not in fact conform to the specifications; and the City shall not be precluded or estopped, notwithstanding any such return or certificate and payment in accordance therewith, from demanding and recovering from the Contractor such damages as it may sustain by reason of his failure to comply with this contract or the specifications.

Article XLI. Neither the acceptance of the Commission or its Engineer or any of its employees nor any order, measurement or certificate by the Engineer nor any order by the Commission for payment of money nor any payment for, nor acceptance of, the whole or any part of the work nor any extension of time nor any possession taken by the Commission or its employees shall operate as a waiver of any portion of this contract or of any power herein reserved to the Commission or of any right to damages herein provided; nor shall any waiver of any breach of this contract be held to be a waiver of any other or subsequent breach.

Article XLII. The acceptance by the Contractor of the final payment aforesaid shall be and shall operate as a release to the City from all claim and liability to the Contractor for anything done or furnished for, or relating to, the work or for any act, neglect, fault or default of the Commission, the City or of any person relating to or affecting the work, except only the claim against the City for the remainder, if any there be, of the amounts kept or retained as provided in this contract.

Article XLIII. If the Contractor shall claim compensation for any damage sustained by reason of any act, neglect, fault or default of the City or the Commission or their agents, he shall, within ten (10) days after the sustaining of such damage, make a written statement to the Engineer of the nature of the damage sustained. On or before the fifteenth day of the month succeeding that in which any such damage shall have been sustained, the Contractor shall file with the Engineer an itemized statement of the details and amount of such damage, and unless such statement shall be made as thus required, his claim for compensation may in the discretion of the Commission be forfeited and invalidated and he shall not be entitled to payment on account of any such damage.

Article XLIV. If at any time before or within thirty (30) days after the whole work agreed herein to be performed has been completed and accepted by the City, any person or persons claiming to have performed any labor or furnished any material toward the performance or completion of this contract shall file with the Commission and with the Comptroller any such notice as is described in the Lien Law, the City may retain from any moneys which would otherwise be payable to the Contractor hereunder by the City an amount or amounts sufficient to satisfy and discharge the amounts in such notice claimed to be due, together with the costs of any action or actions brought to enforce such lien created by the filing of such notice, until such lien shall be discharged as provided by law. If such lien shall be foreclosed according to law, then the City may pay the amount necessary to satisfy such lien, with interest and costs, to the person entitled thereto, and such payment shall be deemed to be a payment hereunder to the Contractor by the City. If the amount or amounts so retained shall not be sufficient to satisfy such lien so foreclosed with interest and costs, the deficiency may be retained by the City out of any moneys thereafter becoming due to the Contractor hereunder.

CHAPTER VI.

Contractor's Liability for Injuries to Persons or Property and Claims for Infringement of Patents.

Article XLV. The Contractor expressly admits and covenants that the drawings and specifications and other provisions of this contract, if the work be done without fault or negligence on the part of the Contractor, do not involve any danger to the Railroad or adjacent, abutting or overhead structures or surfaces; and the Contractor will at his own expense make good any damage that shall, in the course of construction, be done to the Railroad or any such adjacent, abutting or overhead structures or surfaces. The liability of the Contractor under this covenant is absolute and is not dependent upon any question of negligence on his part or on the part of his agents, servants or employees, and the neglect of the Engineer to direct the Contractor to take any particular precautions or to refrain from doing any particular thing shall not excuse the Contractor in case of any such damage.

The Contractor shall also indemnify and save harmless the New York Consolidated Railroad Company, its successors and assigns, or other operator of the Railroad from liability upon any and all claims for damages or injuries to person or property of passengers of the Railroad occurring on account of the work hereunder, whether due to the negligence, fault or default of the Contractor or otherwise.

It is the intention of the parties to this contract that in addition to indemnifying the City against all claims for damages, the Contractor shall also be liable to the owners of adjacent, abutting or overhead property, buildings or structures and to all tenants, lessees, or occupants of such buildings or structures for all physical injuries to property or person which may be occasioned by the work of completion of construction and station finish, even in cases where such owners, tenants or occupants have no legal claim against the City for such injuries.

In case any damage shall occur to any part of the Railroad on account of the work hereunder, whether caused by the negligence, fault or default of the Contractor or otherwise, the City acting by the Commission shall have the right to cause such damage to be repaired and to charge the expense of such repairs to the Contractor and to deduct the amount of such expense from any moneys due or to become due to the Contractor hereunder.

Article XLVI. The Contractor shall during the performance of the work safely maintain the traffic on streets, avenues, highways and other public places as provided in the specifications and shall take all necessary precautions and place proper guards for the prevention of accidents and shall put up and keep at night suitable and sufficient lights.

Article XLVII. The Contractor shall be solely responsible for all physical injuries to person or property occurring on account of the work hereunder, and shall indemnify and save harmless the City from liability upon any and all claims for damages on account of such injuries to person or property or on account of any neglect, fault or default of the Contractor and from all costs and expenses in suits which may be brought against the City on account of any such injuries to person or property or on account of any such neglect, fault or default; it being distinctly understood, stipulated and agreed that the Contractor shall be solely responsible and liable for and shall fully protect and indemnify the City against all claims for damages to person or property occasioned by or resulting from methods or processes in the work of completion of construction and station finish whether such damages be attributable to negligence of the Contractor or his employees or otherwise. If compensation for any such injury to property shall be included in any judgment or award in any action or proceeding, the Contractor shall upon demand promptly reimburse the City for any payments made by it on account thereof.

Article XLVIII. In case any claim shall be made at any time by any person or corporation against the Contractor or the City for injury or alleged injury to person or property occurring or alleged to have occurred on account of the work hereunder, whether by reason of the negligence, fault or default of the Contractor, or otherwise, or for any infringement or alleged infringement of patents or for any neglect, fault or default or alleged neglect, fault or default of the Contractor, the amount of such claim or so much thereof as the Commission may deem reasonable shall, upon the requirement and in the discretion of the Commission, be retained by the Comptroller out of any moneys then due or thereafter growing due to the Contractor hereunder (in addition to the other sums herein authorized to be so retained) as security for the payment of such claim or claims. If and when the liability of the City or the Contractor on such claim or claims shall have been established by a judgment of a court of competent jurisdiction or such claim or claims shall have been admitted by the Contractor to be valid, the said claim or claims may be paid from the amount so retained and the balance, if any, paid to the Contractor. Should there be any unsatisfied claim or claims for injury or alleged injury to person or property occurring or alleged to have occurred on account of the work hereunder, whether by reason of the negligence, fault or default of the Contractor or otherwise, or for any infringement or alleged infringement of patents or for any neglect, fault or default or alleged neglect, fault or default of the Contractor at the time when the final voucher for the work is prepared and certified, the Commission shall have the right to retain out of the final payment and to deduct from the amount of the final voucher a sum in its judgment sufficient to protect the City in regard to all unsatisfied claims as aforesaid, and in case the amount thus retained should be insufficient to pay the amount adjudicated to be due upon such claim or claims, the City may sue for and recover from the Contractor the amount or balance as a debt from the Contractor to the City. The Commission may further, if in its judgment such a course is necessary or proper, at the time of preparing and certifying the final voucher, and as a condition of preparing and certifying the same, require the Contractor to continue his bond or other security, or any part thereof, as security against any claims then unsatisfied or not presented for a time not exceeding the time when such claims would be legally barred.

Article XLIX. All risk of loss or damage to the Works or to any part thereof, or to any of the materials, plant, tools, appliances or other things used in doing the work prior to final completion is assumed and shall be borne by the Contractor, and any such loss or damage shall be made good by the Contractor at his own cost, and the work shall be carried forward by him in accordance with this contract without additional cost to the City by reason of such loss or damage.

Article L. The Contractor guarantees all tile not to craze, crack or fall off within three (3) years after the date of the final completion and acceptance of the Works and he shall promptly upon notice from the Commission or the Engineer or the New York Consolidated Railroad Company, its successors or assigns, or other operator or lessee of the Railroad replace all tile (including that placed under the provisions of this Article) which shall craze, crack or fall off within said period of three (3) years and in the event of his failure promptly upon such notice to replace such tile, the City or the New York Consolidated Railroad Company, its successors or assigns, or other operator or lessee of the Railroad shall have the right to replace the same and to charge the expense thereof to the Contractor and the Contractor shall promptly pay all expense incurred for that purpose. The Contractor shall deposit with the Commission, before the final voucher shall be prepared or certified by the Commission and before the bond or the deposit of cash or securities or any part thereof given by the Contractor as security for the performance of this contract shall be surrendered, a bond to the City, its successors, assigns and lessees, in such form as the Commission shall require and duly executed and acknowledged, in the sum of five thousand dollars ($5,000) with two or more sureties to be corporations or persons approved by the Commission, conditioned for the faithful performance by the Contractor of all his obligations under this Article and under the other provisions of this contract with respect to such tile work. The Contractor shall, if so required by the Commission, before the final voucher shall be prepared or certified by the Commission and before said bond or deposit or any part thereof shall be surrendered, enter into a written agreement in such form as the Commission shall require and duly executed and acknowledged with the New York Consolidated Railroad Company, its successors or assigns, or other lessee or operator of the Railroad, whereby the Contractor, in consideration of one dollar ($1) to be paid to him by said New York Consolidated Railroad Company, its successors or assigns, or other lessee or operator of the Railroad, shall guarantee said tile as aforesaid and agree to replace the same as aforesaid and agree to pay the expense of replacing the same, in the event of his failure to replace the same, as aforesaid. The Contractor shall, further, if so required by the Commission, instead of giving such bond to the City, give said bond in said sum of five thousand dollars ($5,000) to the New York Consolidated Railroad Company, its successors and assigns, or other lessee or operator of the Railroad, or both to the City and to said New York Consolidated Railroad Company, its successors or assigns, or other lessee or operator of the Railroad, such bond to be conditioned for the replacing of said tile as aforesaid and the payment of the expense of replacing the same, in the event of his failure to replace the same, as aforesaid, and if the Contractor shall give such bond to the City, he shall at any time thereafter, if so required by the Commission, give a new bond to said New York Consolidated Railroad Company, its successors or assigns, or other lessee or operator of the Railroad, or both to the City and said New York Consolidated Railroad Company, its successors or assigns, or other lessee or operator of the Railroad, and in that case the bond given to the City shall, upon the deposit of such new bond, be cancelled and surrendered to the Contractor.

CHAPTER VII.

City to Secure Contractor Against Interference by Injunctions, etc.

Article LI. The City hereby stipulates and covenants to and with the Contractor that the City will secure and assure to the Contractor so long as the Contractor shall perform the stipulations of this contract, the right to complete the construction and station finish of the Railroad as prescribed in this contract free of all right, claim or other interference, whether by injunction, suit for damages or otherwise, on the part of any owner, abutting owner, or other person; but not including any interference, legal or otherwise, by patentees or persons claiming to be patentees of tools, methods or appliances.

Article LII. The Contractor shall hold himself and shall be responsible for any claims made against the City for any infringement of patents by the use of patented tools, articles or appliances in the performance or completion of the work or by the use of any process or method connected with the work or by the use of any materials used upon the work; and he shall save harmless and indemnify the City from and against all costs, expenses and damages which the City shall incur or be obliged to pay by reason of any such infringement.

CHAPTER VIII.

Time for Completion, Damages for Delay, etc.

Article LIV. Time is of the essence of this contract. The Contractor shall begin actual work within ten (10) days after the date of the delivery of this contract and shall thenceforth prosecute the work continuously and diligently. The entire work covered by this contract shall be completed in all respects within three (3) months from the date of delivery of this contract; but the three (3) signal towers shall be completed (with the exception of doors, windows, plumbing fixtures and finish on the outside of exterior walls) within one (1) month from the date of delivery of this contract.

Article LV. In the event of delay in completion of the Works beyond the periods herein prescribed or beyond the period to which such times may be extended by resolution of the Commission for good cause shown, the City shall, whether the working force be increased as provided in the specifications or not, be paid damages for such delay. Inasmuch as the amount of such damages will be extremely difficult to ascertain, especially in view of the fact that the work to be performed hereunder is a part of the construction of a railroad, the remainder of which is being constructed under other contracts, it is hereby expressly agreed that such damages shall be liquidated and paid as follows: The Contractor shall pay to the City for each and every day, except Sundays and legal holidays, that he shall be in default in completing the three (3) signal towers (except doors, windows, plumbing fixtures and finish on the outside of exterior walls) the sum of twenty-five dollars ($25), which sum is hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such default. And the Contractor shall pay to the City for each and every day, except Sundays and legal holidays, that he shall be in default in completing the entire work to be done under this contract the sum of one hundred dollars ($100), which sum is hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such default. The City shall have the right to deduct such amounts from any moneys due or which may thereafter become due to the Contractor under this contract. But in case the Contractor shall be actually and necessarily delayed by reason of any labor strike not caused or instituted or provoked by the Contractor or by any sub-contractor, agent or representative of the Contractor, or in case the Contractor shall be actually and necessarily delayed by any injunction or by any interference of public authority or by the suspension of the whole or any part of the work by the Commission as provided in Article LVII, and in case the Contractor cannot, notwithstanding such strike, injunction, interference or suspension, with reasonable diligence make up for the delay so occasioned by speedier work when the Contractor shall not be so delayed, then the said dates for completion shall, except as hereinafter provided, be extended by resolution of the Commission to a date later than the expiration of the said periods of one (1) and three (3) months by the amount of the time of such delay as determined by the Commission.

Article LVI. But no injunction, strike or interference of public authority shall be ground for such extension unless and until the Contractor shall give the Commission notice of the injunction or other cause of delay, with copies of the injunction or other orders and of the papers upon which the same shall have been granted, and no extension shall be granted except for the delay occasioned after the giving of such notice. Nor shall any extension be granted in any case unless the Contractor shall prove to the satisfaction of the Commission all the facts which entitle him to such extension. The Commission and the City or either shall be accorded the right to intervene or become a party to any suit or proceeding in which any such injunction shall be obtained and to move to dissolve the same or otherwise, as the Commission or the City may deem proper. If necessary the Corporation Counsel or the Counsel to the Commission or both shall be authorized by the Contractor to appear for that purpose as counsel or attorneys for him.

Article LVII. The Commission reserves the right of temporarily suspending the execution of the whole or any part of the work herein contracted to be done, if it shall deem it for the interest of the City so to do, without compensation to the Contractor for such suspension other than extending the time for completing the work as hereinbefore provided as much as, in the opinion of the Commission, it may have been delayed by such suspension.

Article LVIII. Only the actual delay necessarily resulting from one or more of the causes above mentioned shall be ground for extension of time, and in case the Contractor shall be delayed at any time or for any period by two or more of the causes above mentioned, only one period of extension, if any, shall be granted for such delay and the Contractor shall not be entitled to a separate extension for each one of the causes so operating, it being understood that only the actual period of necessary delay, as determined by the Commission, irrespective of the number of causes contributing to produce such delay, will be ground for extension of time.

Article LIX. The permitting of the Contractor to go on and finish the work or any part of it after the time fixed for its completion or after the date to which the time for completion may have been extended or the making of payments to the Contractor after any of such periods shall in no wise operate as a waiver on the part of the City of any of its rights under this contract.

CHAPTER IX.

Remedies in Case of Contractor's Default.

Article LX. If the work to be done under this contract shall be abandoned by the Contractor, or if this contract shall be assigned or the work sublet by him otherwise than as herein specified, or if at any time the Engineer shall be of opinion, and shall so certify in writing to the Commission, that the performance of this contract is unnecessarily or unreasonably delayed or that the Contractor is willfully violating any of the provisions or covenants of this contract or of the specifications or is not executing the same in good faith and in accordance with the terms hereof, or if the work be not fully completed within the times named in this cotnract for its completion or within the time to which the completion of this contract may be extended by the Commission or (in view of the necessity for special skill and ample financial resources in the prosecution of the work) if the Contractor shall become insolvent or bankrupt or if his property or affairs shall be put in the hands of a receiver or receivers, then and in any of such cases

(1) The Commission may notify the Contractor, by a written notice, to discontinue all work or any part thereof under this contract, and thereupon the Contractor shall discontinue the work or such part thereof, and the Commission shall thereupon have the right to contract for the completion of the Works or such part thereof in the manner prescribed by law or to place such and so many persons as it may deem advisable, by contract or otherwise, to work and complete the work herein described or such part thereof, to take possession of and use any or all of the materials, plant, tools, equipment, supplies and property of every kind provided by the Contractor for the purpose of his work, and to procure other materials, plant, tools, equipment, supplies and property for the completion of the same, and to charge the expense of said labor, materials, plant, tools, equipment, supplies and property to the Contractor. The expense so charged may be deducted and paid by the City out of such moneys as may be due or may at any time thereafter grow due to the Contractor under and by virtue of this contract. And in case such expense of completing the works or such part thereof shall exceed the amount which would have been payable under this contract for the same work and materials if this contract had been completed by the Contractor, he shall pay the amount of such excess with interest to the City; and in case such expense shall be less than the amount which would have been payable under this contract for the same work and materials if this cotnract had been completed by the Contractor, he shall forfeit all claim to the difference; and when any particular part of the work is being carried on by the Commission, by contract or otherwise, under the provisions of this Article, the Contractor, unless he shall have been directed to discontinue all work, shall continue the remainder of the work in conformity with the terms of this contract and in such manner as in nowise to hinder or interfere with other contractors of the Commission or with the persons or workmen employed, as above provided, by the Commission, by contract or otherwise, to do any part of the work or to complete the same under the provisions of this Article. The Contractor shall

also in any and every such case and in the case of any and every act, neglect, delay, fault or default of the Contractor, in addition to the liability above expressed, pay to the City as liquidated damages for any delay resulting therefrom in the completion of the three (3) signal towers (except doors, windows, plumbing fixtures and finish on the outside of exterior walls) the sum of twenty-five dollars ($25) for each and every day, except Sundays and legal holidays, of such delay; and the Contractor shall also in any and every such case and in the case of any and every act, neglect, delay, fault or default of the Contractor, in addition to the liability above expressed, pay to the City as liquidated damages for any delay resulting therefrom in the completion of the entire work which the Contractor herein agrees to perform the sum of one hundred dollars ($100) for each and every day, except Sundays and legal holidays, of such delay; which sums are hereby agreed upon not as a penalty but as liquidated damages which the City will suffer by reason of such delay. And

(2) The City may also proceed as to the Commission shall seem proper upon the Bond or other security in its possession. And

(3) The City may also bring any suit or proceeding for specific performance or for injunction or to recover damages or to obtain any other relief or for any other purpose proper under this contract.

Article LXI. In case the Commission shall by contract or otherwise complete the Works or any part thereof under the provisions of Article LX, the Engineer, upon the completion of the works or such part thereof or at any time thereafter upon demand in writing by either party hereto or from time to time during the course of the completion of the Works or such part thereof upon demand by the Commission, shall certify to the amount of the expense incurred by the City in the completion of the Works or such part thereof, and said certificate shall be final and conclusive and admissible in evidence against the Contractor in any litigation arising or growing out of this contract.

Article LXII. The City may avail itself of each and every remedy herein specifically given to the City or now or hereafter existing at law or in equity or by statute, and each and every such remedy shall be in addition to every other remedy so specifically given or otherwise so existing and may be exercised from time to time and as often and in such order as may be deemed expedient by the Commission, and the exercise, or the beginning of the exercise, of one remedy shall not be deemed to be a waiver of the right to exercise, at the same time or thereafter, any other remedy, except that no two inconsistent remedies shall be exercised at the same time.

CHAPTER X.

Miscellaneous Provisions.

Article LXIII. No correction or change in this contract shall be made except by written instrument duly authorized by the Commission and consented to by the Contractor and by the sureties upon his bond; but this provision shall not limit or affect the right to prescribe variations of construction as in this contract elsewhere provided.

Article LXIV. No claim shall be made by the Contractor against any member of the Commission personally under or by reason of this contract or any of its articles or provisions.

Article LXV. The Contractor shall not assign, transfer, convey, sublet or otherwise dispose of this contract or his right, title or interest in or to the same or any part thereof without the previous consent in writing of the Commission, and he shall not assign by power of attorney or otherwise any of the moneys to become due and payable under this contract unless by and with the like consent. If the Contractor shall without such previous written consent assign, transfer, convey, sublet or otherwise dispose of this contract or of his right, title or interest therein or any of the moneys to become due under this contract, to any other person, company or corporation, this contract may at the option of the Commission be revoked and annulled and the City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor and to his assignee or transferee; and no right under this contract or to any money to become due hereunder shall be asserted against the City in law or in equity by reason of any so-called assignment of this contract or any part thereof or of any moneys to grow due hereunder unless authorized as aforesaid by the written consent of the Commission; provided that nothing herein contained shall be construed to hinder, prevent or affect an assignment by the Contractor for the benefit of his creditors made pursuant to the statutes of the State of New York.

Article LXVI. In case the Commission shall cease to exist, the Legislature may provide what public officer or officers shall exercise the powers and duties of the Commission under and by virtue of this contract; and in default of such provision, such powers and duties shall be deemed to be vested in the Mayor of the City. In case any officer or officers other than the Commission shall hereafter have the powers of the Commission or any of them, then the provisions of this contract shall be applicable to such officer or officers to the extent to which the powers of the Commission shall appertain to such officer or officers, and any official act or determination of such officer or officers or of the Commission shall be sufficient hereunder, anything herein to the contrary notwithstanding, if the same be done or had by lawful vote or resolution or in such manner as the Legislature may from time to time prescribe.

Article LXVII. The Contractor agrees to comply with the provisions of the Labor Law, including Section Three thereof as re-enacted by Chapter 36 of the Laws of 1909. The Contractor further agrees and stipulates that no laborer, workman or mechanic in the employ of the Contractor, sub-contractor or other person doing or contracting to do the whole or a part of the work contemplated by this contract shall be permitted or required to work more than eight hours in any one calendar day, except in cases of extraordinary emergency caused by fire, flood or danger to life or property; and further that the wages to be paid for a legal day's work as hereinbefore defined to all classes of such laborers, workmen or mechanics upon the work contemplated by this contract or upon any material to be used upon or in connection therewith, shall be not less than the prevailing rate for a day's work in the same trade or occupation in the Borough of the City where the work hereby contemplated about or in connection with which such labor is performed in its final or completed form is to be situated, erected or used; and that each such laborer, workman or mechanic employed by the Contractor or by any sub-contractor or other person on, about or upon the work contemplated by this contract, shall receive such wages herein provided for. This contract shall be void and of no effect unless the Contractor shall comply with the provisions of this section. In obedience to the requirements of Section Fourteen of the Labor Law it is further provided that if the provisions of the said Section Fourteen are not complied with, this contract shall be void.

Article LXVIII. It is the intent and understanding of the parties to this contract that each and every provision of law required to be inserted in this contract should be and is inserted herein. Furthermore, it is hereby stipulated that every such provision is to be deemed to be inserted herein, and if, through mistake or otherwise, any such provision is not inserted or is not inserted in correct form, then this contract shall forthwith, upon the application of either party, be amended by such insertion so as to comply strictly with the law and without prejudice to the rights of either party hereunder.

Article LXIX. If this contract contains any unlawful provision not an essential part of the general structure of the contract and which shall not appear to have been a controlling or very material inducement to the making thereof, the same shall be deemed of no effect and shall upon the application of either party be stricken from the contract without affecting the binding force of the contract as it shall remain after omitting such provision.

Testimonium.

In Witness Whereof, this contract has been executed for The City of New York by the Public Service Commission for the First District under and by virtue of a resolution duly adopted by the Commission and the seal of the Commission has been hereto affixed and attested by its Secretary and these presents have been signed by its Chairman; and the Contractor has* [hereunto set hand and seal] [caused corporate seal to be hereto affixed, and these presents to be executed by proper officers] the day and year first above written.

THE CITY OF NEW YORK, by the.....
PUBLIC SERVCE COMMISSION FOR THE FIRST DISTRICT, by ..... Chairman.
Attest: ..... Secretary.

*If the Contractor is an individual, use the words enclosed in the first bracket; if a corporation, use the words enclosed in the second bracket.

Acknowledgment for Commission.

State of New York, County of New York, ss.:

On the day of 1915, before me personally appeared Edward E. McCall and Travis H. Whitney, to me known and known to me to be the said Edward E. McCall, the Chairman, and the said Travis H. Whitney, the Secretary of the Public Service Commission for the First District; and the said Edward E. McCall and Travis H. Whitney being by me duly sworn, did depose and say, each for himself and not the one for the other, the said Edward E. McCall, that he resides in the Borough of Manhattan, in the City, County and State of New York, that he is the Chairman of the said Commission and that he subscribed his name to the foregoing contract by virtue of the authority thereof; and the said Travis H. Whitney, that he resides in the Borough of Brooklyn, in the County of Kings, City and State of New York, that he is the Secretary of the said Commission and that he subscribed his name thereto by like authority; and both the said Edward E. McCall and Travis H. Whitney that they know the seal of the said Commission, and that one of the seals affixed to the foregoing contract is such seal and that the same was affixed to the foregoing contract by the authority of the said Commission and of a resolution duly adopted by the same.

Acknowledgments for Contractor.

State of New York, County of New York, ss.:

On this day of , 1915, before me personally came, to me known and known to me to be the individual described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same.

State of New York, County of New York, ss.:

On this day of , 1915, before me personally appeared to me known, who being by me first duly sworn, did depose and say: That he resides in in the State of ; that he is of the corporation described in and which executed the foregoing instrument; that he knows the corporate seal of said corporation; that one of the seals affixed to said contract is such corporate seal, and that it was affixed thereto by order of the Board of Directors of said corporation, and that he signed his name thereto by like authority.

Schedule of Securities.

(Note—If the Contractor, upon the approval of the Commission, deposits securities in lieu of a bond, a description of such securities with their values shall be inserted below.)

(Form of contractor's bond; form of contractor's proposal; affidavit of verification and index follow here.)

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, June 4, 1915.

To the Board of Estimate and Apportionment:

Gentlemen—On June 4, 1915, the Public Service Commission for the First District transmitted for the consent of this Board, a proposed contract to be entered into between the City of New York, acting by the said Commission and D. C. Serber, for the completion of construction and station finish of a part of the Fourth Avenue Subway, Brooklyn, at an estimated cost of $40,676.25.

The Commission requested your Board to prescribe the limit of $40,676.25 to the amount of bonds to be made available to meet the City's obligation under the proposed contract and to direct the Comptroller to issue bonds to said amount, the same to be charged against the appropriation of $60,000,000 made by your Board on March 18, 1913, for the purposes of contract No. 4.

This contract has been awarded to the lowest of six bidders. The work consists of completing the east platform of the Pacific Street station, left unfinished because of the use of the adjacent subway for purposes of a temporary sewer, the construction of signal towers at the Gold Street and DeKalb Avenue stations, and the installation of ticket booths, plumbing, railings, the making of small replacements and painting at the stations between Nassau Street and Forty-second Street.

I recommend the adoption of the attached resolution consenting to the contract award, limiting the amount of bonds available and authorizing and directing the Comptroller to issue the necessary corporate stock. Respectfully,

WM. A. PRENDERGAST, Comptroller.

On motion, Rule 19 was waived in this matter and the following resolution was offered:

Resolved, That, pursuant to the provisions of section 37 of the Rapid Transit Act, being chapter 4 of the Laws of 1891, as amended, and the provisions of section 45 of the Greater New York Charter, and the requisition of the Public Service Commission for the First District, duly made by said Commission on June 4, 1915, the Board of Estimate and Apportionment hereby consents to the proposed contract to be entered into between The City of New York, acting by said Commission, and D. C. Serber, as contractor, for the following purposes:

For the completion of construction and station finish of a part of the Fourth Avenue subway in the Borough of Brooklyn, the locations between which the work is to be performed, beginning at the intersection of the centre line of Flatbush Avenue Extension with the northerly line of Nassau Street, extending thence southerly under Flatbush Avenue Extension, Fulton Street, Ashland Place, Flatbush Avenue and Fourth Avenue to a point under Fourth Avenue about one hundred and fifty (150) feet south of the southerly line of Forty-second Street, at an estimated cost of forty thousand six hundred and seventy-six dollars and twenty-five cents ($40,676.25), and be it further.

Resolved, That this Board prescribes that the limit to the amount of corporate stock available to meet the City's obligation under said contract shall be forty thousand six hundred and seventy-six dollars and twenty-five cents ($40,676.25); and be it further

Resolved, That the Comptroller be and he is hereby authorized and directed to issue corporate stock of The City of New York to the amount of forty thousand six hundred and seventy-six dollars and twenty-five cents ($40,676.25), at such rate of interest as the Commissioners of the Sinking Fund shall prescribe, the proceeds to the amount of the par value thereof to be applied to the purposes specifically set forth in this resolution, and as requisitioned for by said Commission under date of June 4, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of sixty millions dollars ($60,000,000), for the purpose of carrying out the terms of Contract No. 4.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Board of Estimate and Apportionment—Issue of Corporate Stock to Liquidate the City's Indebtedness to the Street Improvement Fund and to the Fund for Street and Park Openings (No. 79).

The Secretary presented three (3) reports of the Comptroller, dated June 3, 1915, (a) recommending an issue of $122,092.40 corporate stock to pay assessments for Local Improvements levied upon the property of the City of New York from January 1 to March 31, 1915; (b) recommending the issue of $32,796.11 corporate stock to liquidate the City's indebtedness to the Fund for Street and Park Openings, caused by the City's assumption of a portion of the costs and expenses of certain street opening proceedings; (c) recommending the issue of $123,941.74 corporate stock for the payment to the Street Improvement Fund, on account of the indebtedness imposed upon the City, of a portion of the costs and expenses of certain Local Improvements.

The matter was laid over for one week (June 11, 1915), under Rule 19.

Court House Board—Amendment of Issues of Corporate Stock and Approval of Schedules (No. 80).

The Secretary presented a report of the Committee on Corporate Stock Budget recommending that the resolution adopted by the Board on July 2, 1914, as amended March 26, 1915, authorizing an issue of $80,000 corporate stock to provide means for the payment of the expenses of the Court House Board in connection with its duties in procuring a site, preparing plans and supervising the erection of a court house for New York County, be amended by increasing the amount authorized for preliminary borings on Court House site from $6,400 to $7,900 and decreasing the amount authorized for expenses of determining final plans for the new building from $7,200 to $5,700; also recommending amendment of resolution adopted on April 23, 1915, approving an estimate of cost in the sum of $3,000 for the excavation of test pits

and the making of loading tests for foundations on the site of the proposed new Court House, Borough of Manhattan, by increasing the estimate of cost to $5,500.

The matter was laid over for one week (June 11, 1915), under Rule 19.

Board of Estimate and Apportionment—Designation of Delegates to the International Conference on City Planning (No. 81).

The Acting Mayor offered the following resolution:

Resolved, That the Board of Estimate and Apportionment hereby designates as its delegates to attend the International Conference on City Planning, to be held in Detroit on June 7, 8 and 9, 1915, Mr. Nelson P. Lewis, Chief Engineer of the Board; Mr. Robert H. Whitten, Secretary of the Committee on City Plan, and Mr. George B. Ford, Consultant of said Committee, and authorizes the necessary and proper expenses of said delegates to be paid from the Contingent Fund of the Board.

Which was adopted by the following vote:

Affirmative—The Acting Mayor, the Comptroller, the Acting President of the Board of Aldermen, the President of the Borough of Manhattan, the Acting President of the Borough of Brooklyn, the Presidents of the Boroughs of The Bronx and Queens and the Acting President of the Borough of Richmond—16.

Court House Board; President, Borough of Manhattan—Issue of Corporate Stock (No. 82).

The Secretary presented a communication, dated June 4, 1915, from the President, Borough of Manhattan, requesting that the sum of $7,281.25 be made available for the preparation of surveys, maps and plans, etc., in connection with the construction of temporary roadways within the area of the Court House site, in pursuance of resolution adopted April 30, 1915 (Cal. No. 182).

The matter was referred to the Committee on Corporate Stock Budget for report in one week (June 11, 1915).

Board of Estimate and Apportionment—Recovery of Secretary from Illness (No. 83).

The Acting Mayor stated that it afforded him much pleasure to announce the recovery and return of Mr. Joseph Haag, the Secretary of the Board, whose absence from his office and recent meetings of the Board, owing to serious illness, had been noted with regret.

The Acting Mayor further stated that his gratification was shared not only by his associates, but, also, he felt sure, by all officials and others having business with the Board.

Motor Omnibus Line; Morningside Drive (No. 84).

The Secretary presented a communication dated June 3, 1915, from Charles Elkin, President, Laymen's Club, Cathedral of St. John the Divine, in favor of the establishment of a motor omnibus line through Morningside Drive north and south, primarily to serve the Cathedral of St. John the Divine, and also serving St. Luke's Hospital and Columbia College, Borough of Manhattan.

Which was referred to the Committee on Franchises.

Board of Estimate and Apportionment—Salaries of City Employees (No. 85).

The Secretary presented a communication, dated June 3, 1915, from Robert Flaherty, submitting proposition for the standardization of salaries of City employees.

Which was referred to the Committee on Salaries and Grades.

Central Park West, Between 59th Street and 110th Street, Borough of Manhattan—Relocation of the Tracks of the New York Railways Company (No. 86).

(On August 28, 1913, the Board adopted a resolution directing the New York Railways Company to re-locate its tracks on Central Park West, and on June 5, 1914, (Cal. No. 112), the President of the Borough of Manhattan was directed to proceed with the physical work of widening the roadway of Central Park West and to take all necessary steps to secure compliance by the New York Railways Company with the resolution adopted by the Board on August 28, 1913.)

The Secretary presented copies of resolutions adopted by the Central Park West Commission on April 2, 1915, relative to the relocation of tracks on Central Park West from 59th Street to Cathedral Parkway in the Borough of Manhattan and to the payment of the expense to be incurred in the relocation thereof. The Commission approves the resolution of the Board of Estimate and Apportionment in connection with the relocation of these tracks and the plan proposed thereby as the most satisfactory plan and one that will be to the best interests of the city and of those residing on Central Park West between 59th Street and Cathedral Parkway.

Which were ordered filed.

Public Service Commission for the First District—Changes in Tracks, Etc., of New York Central Railroad Company and the New York, New Haven and Hartford Railroad Company at or Near East 241st Street, The Bronx (No. 87).

The Secretary presented a communication, dated June 1, 1915, from the Secretary of the Public Service Commission, transmitting for the information of the Board, copy of communication dated May 22, 1915, from the Corporation Counsel of the City of Yonkers, and a copy of an ordinance adopted by the Common Council of said city with reference to the proposed changes at or near 241st Street and the tracks of the New York Central Railroad Company and the New York, New Haven and Hartford Railroad Company.

Which were referred to the President of the Borough of The Bronx, the Corporation Counsel and the Chief Engineer.

Board of Estimate and Apportionment; Committee on Education—Authority to Fill Vacancy (No. 88).

The Secretary presented a communication, dated May 29, 1915, from the Comptroller, Chairman of the Committee on Education, requesting that Miss Charlotte Mueller, who is first on the list for Hollerith Tabulating Machine Operators, be appointed to the staff of the Committee on Education at a salary of $900 per annum.

Which was referred to the Committee on the Organization of the Board.

City Magistrates' Courts, Second Division—Retirement of Charles W. N. Akberg, General Interpreter (No. 89).

The Secretary presented a communication, dated June 1, 1915, from the Acting Chief Magistrate requesting that Charles W. N. Akberg, General Interpreter in the City Magistrates' Courts, Second Division, Borough of Brooklyn, be retired pursuant to the provisions of Chapter 669 of the laws of 1911, as amended.

Which was referred to the Committee on Salaries and Grades.

Fire Department—Retirement of Rudolph Dillman, Assistant Fire Marshal (No. 90).

The Secretary presented a communication, dated June 2, 1915, from the Fire Commissioner, requesting the retirement, under the "Gilchrist Act," of Rudolph Dillman, Assistant Fire Marshal.

Which was referred to the Committee on Salaries and Grades.

Department of Parks, Borough of Brooklyn—Retirement of John Quinn and Joseph Hasser, Laborers (No. 91).

The Secretary presented two (2) communications, dated June 2, 1915, from the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of the following employees in his department: John Quinn, Laborer; Joseph Hasser, Laborer.

Which were referred to the Committee on Salaries and Grades.

Public Service Commission for the First District—Proposed Elevation of the Long Island Railroad Tracks Where the Same Intersect Lambertville Avenue, Borough of Queens (No. 92).

The Secretary presented a communication, dated June 2, 1915, from the President, Borough of Queens, relative to the elevation of the Long Island Railroad tracks where the same intersect Lambertville Avenue, Fourth Ward, Borough of Queens. The Borough President states that the necessity for this elevation is quite urgent, as it crosses the proposed right-of-way of the Queens Traction Company's lines, and inasmuch as the Secretary of the Public Service Commission for the First District states that this is not an elimination of an existing crossing but simply the extension of a new street across the Long Island Railroad right-of-way, the expense to be divided between the railroad company and the City of New York, it would seem advisable to lay the matter before the Board to ascertain whether it wishes to push this improvement at the present time.

Which was referred to the Comptroller and the Chief Engineer of the Board.

On motion, the Board adjourned to meet on Friday, June 11, 1915, at 10 o'clock A. M.

JOSEPH HAAG, Secretary.

DEPARTMENT OF FINANCE.

WARRANTS MADE READY FOR PAYMENT IN DEPARTMENT OF FINANCE TUESDAY, JUNE 15, 1915.

Below is a statement of warrants made ready for payment on the above date, showing therein the Department of Finance voucher number, the dates of the invoices or the registered number of the contract, the date the voucher was filed in the Department of Finance, the name of the payee and the amount of the warrant.

Where two or more bills are embraced in the warrant, the dates of the earliest and latest are given, excepting that, when such payments are made under a contract, the registered number of the contract is shown in the place of the second invoice date.

Where the word "final" is shown after the name of the payee, payment will not be made until thirty days after the completion and acceptance of the work, but all of the other warrants mentioned will be forwarded through the mail unless some reason exists why payment is to be made in person, in which event written notice will be promptly given to the claimant.

In making a written or verbal inquiry at this office tor any of the above mentioned warrants, it is requested that reference be made by the Department of Finance voucher number.

WILLIAM A. PRENDERGAST, Comptroller.

Finance Voucher No.	Invoice Dates or Contract Number.		Received in Department of Finance.	Name of Payee.	Amount.
				Armory Board.	
75507	5-18-15		6- 7-15	George M. Eddy & Co., Inc.	$8 06
75504	5-12-15		6- 7-15	S. W. Reese & Co.	9 53
				Commissioner of Accounts.	
73067	5- 7-15		6- 2-15	Jno. Williams, Inc.	$110 00
				Department of Bridges.	
74892			6- 4-15	The Motor Car Equipment Co.	$25 08
74733	5-20-15		6- 4-15	A. F. Brombacher & Co.	21 17
74891			6- 4-15	Municipal Garage	74 65
74902	5-17-15		6- 4-15	Remy Electric Company	26 58
74734			6- 4-15	Egleston Bros. & Co.	38 27
74728	5-14-15		6- 4-15	Barrett Mfg. Co.	40 05
74719	5-18-15		6- 4-15	Peerless Rubber Mfg. Co.	25 20
74712	5-19-15		6- 4-15	Fred W. Beatty	82 11
74899				National Carbon Company	23 75
74876	2-28-15.	4-30-15	6- 4-15	John Bunce Co.	8 89
74900	5-10-15		6- 4-15	The Petroleum Products Company	25 00
74896	5-17-15		6- 4-15	The Goodyear Tire and Rubber Co., Inc.	6 27
74905	5-17-15		6- 4-15	International Motor Company	57 80
74894	5- 8-15		6- 4-15	William Burke	6 00
76127		35224	6- 8-15	Pennslvania Cement Co.	11 00
				Bellevue and Allied Hospitals.	
75452	3-30-15		6- 7-15	Hull, Grippen & Co.	$18 26
75454	4-29-15		6- 7-15	Cavanagh Bros. & Co.	10 00
75455	4-17-15.	4-24-15	6- 7-15	Walter J. Buzzini, Inc.	9 00
75458				Jas. B. Donohue	29 20
75440			6- 7-15	J. E. Kennedy & Co.	22 50
75150	3-30-15		6- 7-15	L. Barth & Son	16 50
75449	5- 3-15		6- 7-15	Chesebro-Whitman Co., Inc.	5 00
75451				Howard Demountable Rim Sales Co.	8 00
75457	5- 1-15		6- 7-15	William Gedge	31 50
75462	4-28-15		6- 7-15	T. H. Adie	23 55
75461	3-10-15		6- 7-15	Auto Maintenance Company	43 30
75448	4-23-15.	4-30-15	6- 7-15	E. B. Meyrowitz, Inc.	39 20
75978	5-17-15		6- 8-15	S. J. Baker, M.D., Director	46 41
				Municipal Civil Service Commission.	
76337			6- 9-15	R. S. Woodworth	$50 00
76335			6- 9-15	V. A. Moore	33 55
76336			6- 9-15	Herman Rosenthal	59 00
				County Court, Kings County.	
74511	5-24-15		6- 4-15	Abraham & Straus	$27 60
				City Magistrates' Courts, First Division.	
75876	5-28-15		6- 8-15	Hillard Mfg. Co.	$12 00
				Court of General Sessions.	
73505			6- 2-15	William Mabon, M.D.	$100 00
73506			6- 2-15	S. William Schapira, M.D.	100 00
				County Clerk, Kings County.	
76263				Chas. S. Devoy, as County Clerk	$2 40
76264			6- 9-15	Chas. S. Devoy, as County Clerk	20 30
				Department of Correction.	
74608	3-17-15		8- 4-	J. K. Krieg Co.	$39 88
74603	3-31-15		8- 4-	H. Brinton Co.	40 00
74619	4-12-15		6- 4-15	Foster Engineering Co.	37 25
76469			6- 9-15	Katharine B. Davis, Commissioner	221 25
74599				The New York Central Railroad Co.	46 86
74566	4-22-15		6- 4-15	Kells Mill and Lumber Co., Inc.	75 30
74628	3-21-15.	3-31-15	6- 4-15	The Knickerbocker Supply Co.	86 51
74618	4-26-15		6- 4-15	The Fairbanks Company	7 50
74622	4- 8-15		6- 4-15	New York Brass Foundry Co.	4 50
74625	3-29-15		6- 4-15	Vought & Williams	1 40
74605	4-16-15		6- 4-15	Greenlie-Halliday Co.	12 00
74627	4- 6-15		6- 4-15	E. T. Joyce	18 75
74612	4- 7-15		6- 4-15	Vought & Williams	9 00
74611	4-24-15		6- 4-15	Scott & Williams	10 50
74609	4-22-15		6- 4-15	Montgomery & Co., Inc	5 70
74606	4-29-15		6- 4-15	W. H. Hibbard Mfg. Co	20 00
				District Attorney, New York County.	
74692			6- 4-15	James E. Lynch	90 00
74693			6- 4-15	Peter P. McLoughlin	67 20
74694			6- 4-15	Thomas W. Osborne	11 00
74684	5- 2-15.	5-18-15	6- 4-15	Benj. H. Tyrrel	98 70
				District Attorney, Richmond County.	
76556				F. C. Vitt	2 50
				Department of Docks and Ferries.	
73807	5-19-15		6- 3-15	C. D. Durkee & Co	59 80
				Board of Elections.	
76614				William Richensteen	250 00
				Board of Estimate and Apportionment.	
76024		42281	6- 8-15	New York Telephone Co	18 61
75996	5-22-15		6- 8-15	The American Multigraph Sales Co	11 00
76005	5-27-15		6- 8-15	John Wanamaker, New York	14 40
76004	5-29-15		6- 8-15	Cobb, Macey, Dohme, Inc	4 15
76000	5-29-15		6- 8-15	The Lily Cup Co	7 00
75998	5-20-15		6- 8-15	C. S. Hammond & Co	2 60
75997	5-28-15		6- 8-15	Emma Dougherty	4 08
75989	5-25-15		6- 8-15	Gottlieb Greiner	4 10
75990	4-29-15		6- 8-15	Riehle Bros. Testing Machine Co	15 00
75991	5-24-15		6- 8-15	The Hess-Bright Company	3 20
75992	5-19-15		6- 8-15	Brown & Sharpe Mfg. Co	3 44
75995	5-13-15		6- 8-15	The Ohman Map Co., Inc	1 00
75993	5- -15		6- 8-15	Cobb, Macey, Dohme, Inc	9 00
75994	5-19-15		6- 8-15	James Darrin	8 00

Finance Voucher No.	Invoice Dates or Contract Number.		Received in Department of Finance.	Name of Payee.	Amount.
75988	5-24-15		6- 8-15	The American Distributing Co., James A. Webb & Son Branch	3 00
75987	4- 8-15.	4-22-15	6- 8-15	The Photoprint Co.	4 60
				Department of Education.	
72969		40558	6- 2-15	Johnson Service Company	486 00
72968		40419	6- 2-15	Johnson Service Co	678 00
73230	3-26-15	41445	6- 2-15	Richard Morrison	185 60
73385	5- 5-15	41455	6- 2-15	Richard Morrison	2,180 00
73391	4-30-15	41444	6- 2-15	Geo. H. Wood	156 00
73226	1-31-15	41445	6- 2-15	Richard Morrison	2,871 44
73400	5- 5-15	41455	6- 2-15	Richard Morrison	185 60
73488	5- 4-15		6- 2-15	John H. O'Rourke Co	681 00
73399	5- 1-15	41438	6- 2-15	Anna S. Herwig	180 00
73229	4- 1-15	41438	6- 2-15	Anna S. Herwig	180 00
73409	5- 1-15	41460	6- 2-15	Gus Ruoff	345 00
73403		41460		Gus Ruoff	175 00
73404	4-30-15	41441	6- 2-15	John J. Skelly	200 00
73397	4- 1-15	41435	6- 2-15	John F. Streesemann	160 00
73155				James Hamilton	122 50
73402	5- 3-15	41439	6- 2-15	Michael F. Turner	218 00
73398	4-30-15	41433	6- 2-15	William P. J. Bible	180 00
73231	4- 1-15	41433	6- 2-15	William P. J. Bible	180 00
73228	4- 1-15	41436	6- 2-15	Peter Plunkett	450 00
73401	5- 1-15	41436	6- 2-15	Peter Plunkett	270 00
73227	4- 1-15	41437	6- 2-15	John I. Diehl	315 00
73225	3-31-15	41457	6- 2-15	John H. Naughton	158 00
73384	4-30-15	41457	6- 2-15	John H. Naughton	150 10
73159	3-25-15		6- 2-15	George W. Beere	294 75
73392	5- 3-15	41634	6- 2-15	Corn Exchange Bank, Harlem Branch, Assignee of The Universal Co	222 20
73224	5- 6-15	41703	6- 2-15	M. J. Tobin	121 50
73218	4-19-15	41703	6- 2-15	M. J. Tobin	181 20
73221	4-20-15	41701	6- 2-15	H. C. Hallenbeck	306 75
72964		40771	6- 2-15	A. W. King	855 00
72972		40096	6- 2-15	Commercial Construction Co.	562 50
72966		40767	6- 2-15	Frymier & Hanna Co	10,528 38
72971		42160	6- 2-15	Wm. J. Olvany	2,790 00
72970		40766	6- 2-15	Henry Kleindienst	1,084 50
73125	3- 6-15		6- 2-15	Prentiss Tool & Supply Co	815 00
73173	4-13-15		6- 2-15	The Globe-Wernicke Co	189 63
73121	2-23-15		6- 2-15	Max Inkelas	189 00
73120				Burkart Electrical Co., Assignee of Wm. J. McDermott	150 00
73120			6- 2-15	William E. Quimby, Assignee of Wm. J. McDermott	448 00
73120			6- 2-15	Arthur J. O'Keeffe, Assignee of Wm. J. McDermott	188 00
73122	2-24-15		6- 2-15	John H. O'Rourke Co	189 00
73123	4-27-15		6- 2-15	Germania Bank, Assignee of R. Solomon & Son, Inc.	670 00
73124	3- 6-15		6- 2-15	John H. O'Rourke Co	337 00
73316			6- 2-15	Lorenzo & Byrns	109 86
76041	5- 8-15		6- 8-15	S. Rovinsky	7 00
74256	5- 5-15		6- 3-15	T. Frederick Jackson, Inc	79 00
74254	4-16-15		6- 3-15	John Gebelein	75 00
74993	5- 5-15		6- 5-15	George Haiss Mfg. Co., Inc	22 50
74211				J. Leland Wells, Assignee of Sullivan Co.	20 00
73179	3- 9-15		6- 2-15	Glen Rock Desk Co	27 00
74453	5- 3-15		6- 4-15	Lennon & Co	43 95
76039	2-27-15.	5- 5-15	6- 8-15	The Kny-Scheerer Co	15 40
76027	4- 6-15		6- 8-15	Montgomery & Co., Inc	7 00
76026	4- 7-15		6- 8-15	Peckham, Little & Co	18 00
76025	3-16-15		6- 8-15	Schoverling, Daly & Gales	5 25
75023	4-12-15		6- 5-15	A. C. Laurence	32 78
75022	4-13-15		6- 5-15	Ilsey, Doubleday & Co	40 68
76033	3-29-15.	3-31-15	6- 8-15	Electric Hose & Rubber Co	1 22
76032	1-12-15.	3- 2-15	6- 8-15	Harper & Brothers	46 50
76031	3-11-15.	3-16-15	6- 8-15	Balfour & Koch Co	8 75
76030	3- 2-15.	4- 7-15	6- 8-15	The J. W. Pratt Co	11 00
72973		41008	6- 2-15	Wells & Newton Co. of New York	1,026 00
72965		38599	6- 2-15	H. C. Stowe Construction Co	18,435 66
74257	5- 4-15		6- 3-15	Fred Goess	87 00
76145	3-26-15	41351	6- 8-15	Scientific Equipment Co	36 94
76053	2-27-15		6- 8-15	Hardman, Peck & Co	45 00
76052	3-12-15		6- 8-15	Western Union Tel. Co	1 70
76051	2- 8-15.	4-13-15	6- 8-15	The Oliver Typewriter Co	3 70
75098	4-30-15		6- 5-15	Independent Garage Co	90 00
75095				Herman Ahlers	50 40
76054	12-28-14		6- 8-15	Winterroth & Co	10 00
73359				W. H. Kroepke	37 59
76047	4-30-15		6- 8-15	S. Zacharkow	15 75
76046	4-20-15		6- 8-15	F. J. Kloes	20 00
76044	4-28-15		6- 8-15	Brooklyn Window Shade Co.	17 13
76045	5- 4-15		6- 8-15	George Morley	21 50
73243	4-15-15.	4-16-15	6- 2-15	William E. Mason	61 93
73361	3-19-15		6- 2-15	William E. Mason	26 86
73265	4-14-15		6- 2-15	Patrick Murphy	70 00
73242	3-19-15		6- 2-15	W. H. Kroepke	41 86
76050				John Byrns	20 75
74462	5-10-15		6- 4-15	Lennon & Co.	14 65
75002	4- 7-15		6- 5-15	The Brooklyn Daily Eagle	55 70
75107	4-14-15		6- 5-15	O. E. Brigham Mfg. Co.	13 70
75108	3-10-15		6- 5-15	Koller & Smith Company	10 50
75105				Kee Lox Mfg. Co.	12 00
73414	4-30-15	41454	6- 2-15	Robert J. Cutting	118 00
73379	3-31-15	41454	6- 2-15	Robert J. Cutting	118 00
73388		41442		John F. Connolly	124 00
73408		41443		John H. Cottier	432 20
73407	4-30-15	41449	6- 2-15	Anton Kruppenbacher	409 00
73390	5- 1-15	41524	6- 2-15	Jacob Griffin	213 00
73406	4-30-15	41448	6- 2-15	James P. Johnson and Chas. D. Wood.	336 00
73405	4-30-15	41457	6- 2-15	John H. Naughton	186 00
73233	3-31-15	41457	6- 2-15	John H. Naughton	186 00
73519	3-26-15	41741	6- 2-15	L. C. Smith & Bros. Typewriter Co.	400 00
75039	2-10-15		6- 5-15	The Kny-Scheerer Co.	70 20
75047	6- 4-15		6- 5-15	Longmans, Green & Co.	84
75045	2- 1-15		6- 8-15	Samuel I. Jones	1 50
75855		41182		O. M. Gottesman	1 87
75854	3-19-15	41174	6- 8-15	Alfred Field & Co.	1 28
76155	12- 8-14	38769	6- 8-15	J. B. Greenhut Co., Inc., formerly Greenhut-Siegel Cooper Co.	6 78
76146	2-16-15	41701	6- 8-15	H. C. Hallenbeck	26 75
76141	3-17-15	41744	6- 8-15	Remington Typewriter Co., Inc.	87 50
75851	3-22-15	41744	6- 8-15	Remington Typewriter Co., Inc.	5 00
76196	2-22-15	41261	6- 9-15	S. B. Kraus	2 97
76198	2-13-15	41683	6- 9-15	William Elliott & Sons	3 90
76144	1-18-15	41660	6- 8-15	A. J. Nystrom & Co.	57 76
76137	4-10-15	41464	6- 8-15	Knickerbocker Supply Co.	34 01
76148	3-26-15	41349	6- 8-15	L. E. Knott Apparatus Co.	4 00
76154A	2-27-15	41675	6- 8-15	The Kny-Scheerer Co.	26 88
76136		41318		H. T. Dakin	33 90

Finance Voucher No.	Invoice Dates or Contract Number.		Received in Department of Finance.	Name of Payee.	Amount.
76143	3-27-15	41743	6- 8-15	A. B. Dick Co.	48 00
76154	3-19-15	41480	6- 8-15	Brooklyn Lumber Co.	70 66
76153	3-19-15	41210	6- 8-15	Brooklyn Lumber Co.	92 00
75853	4- 3-15	41175	6- 8-15	Bloomingdale Brothers	3 31
74936	3-16-15	41670	6- 5-15	Rand, McNally & Co.	9 00
76139	3-22-15	41161	6- 8-15	J. B. Greenhut & Co.	72 04
75074	3-30-15	41539	6- 5-15	Wm. P. Youngs & Bros.	1 40
75032	4-19-15.	5- 4-15	6- 5-15	L. E. Atherton	40 40
76152		41682		Parex Mfg. Co.	22 52
73252				Agent and Warden, Auburn Prison	155 80
76152		41682	6- 8-15	Parex Mfg. Co	22 52
75097	3-20-15.	4-23-15	6- 5-15	Herman Ahlers	48 90
75012	4- 7-15.	4- 8-15	6- 5-15	Scientific Equipment Co	1 50
75010	3-25-15.	4-12-15	6- 5-15	Krengel Mfg. Co	1 30
75011	2-26-15.	4-13-15	6- 5-15	Keuffel & Esser Co	77
75044	12-23-14		6- 5-15	Scientific Equipment Co	31 50
74951	4- 7-15		6- 5-15	Eimer & Amend	55 15
74955				McDevitt-Wilson	38
74955	7- 7-14		6- 5-15	McDevitt-Wilson	38
74956				Longmans, Green & Co	2 20
74958	4-15-15		6- 5-15	The Macmillan Co	5 60
74960	4-16-15		6- 5-15	McDevitt-Wilson	3 80
74961	4-10-15		6- 5-15	Curtis & Cameron	5 20
74962	4-12-15		6- 5-15	Charles Scribner's Sons	2 00
74963	4-14-15		6- 5-15	John Wanamaker, New York	2 19
74967	1- 5-15		6- 5-15	Charles Scribner's Sons	2 64
75033	3-17-15		6- 5-15	Longmans, Green & Co	64
75035	1-25-15		6- 5-15	E. P. Dutton & Co	35
75036	4- 6-15		6- 5-15	L. L. Poates Publishing Co	1 00
75042	6-20-14		6- 5-15	D. C. Fauss	3 00
75043	4- 9-15		6- 5-15	James W. Cone	3 50
74972	3-31-15		6- 5-15	Greenhut-Siegel Cooper Co	19 50
74970	4- 6-15		6- 5-15	John Wanamaker, New York	40
74973	4- 2-15		6- 5-15	The Pilgrim Press	50
74974	3- 4-15		6- 5-15	G. A. Colgan Co	2 49
74949	2-18-15		6- 5-15	C. H. Congdon	1 08
76788			6-10-15	Dr. Frank Grauer	28 00
75046	3-19-15		6- 5-15	Bausch & Lomb Optical Co	63 71
75034	4-16-15		6- 5-15	The World	35
76758	3- 9-15.	4-27-15	6-10-15	The J. W. Pratt Co	65 93
75007	3-22-15.	4- 8-15	6- 5-15	Vought & Williams	27 59
74998	5- 3-15		6- 5-15	Robert Simpson	85 00
75030	4-20-15		6- 5-15	M. Kalmus	25 00
72967		41317	6- 2-15	Altoria Realty & Construction Co	20,816 60
73319	4-19-15		6- 2-15	Monohan Bros.	100 00
73486				Philip Garfinkel, Assignee of W. G. Hill	128 80
73296	12-28-14		6- 2-15	Peter Clark	110 85
73320				A. Wissels' Son	125 00
73320	4- 8-15		6- 2-15	A. Wissels' Son	125 00
73321	3- 9-15		6- 2-15	Westinghouse Electric Mfg. Co	168 62
73486	12-19-14		6- 2-15	Philip Garfinkel, Assignee of W. G. Hill	128 80
73282	4- 5-15		6- 2-15	Frank Kiebitz	134 00
73264	4-19-15		6- 2-15	Marquard, Fay Co., Inc.	137 00
73263	4-14-15.	4-19-15	6- 2-15	Julius Haas' Sons	196 00
73261	4-22-15		6- 2-15	The Maintenance Co	191 25
73117	3-10-15		6- 2-15	E. F. Keating Co	454 25
76757			6-10-15	Tower Mfg. & Nov. Co	25 43
76504		432		The Macmillan Co	17 75
76515		432		The Macmillan Co	21 78
77390		432		The Macmillan Co	12 10
77394		432		The Macmillan Co	5 14
76507		460		Syndicate Trading Co	13 82
76505		416		Abraham & Straus	6 20
76516		416		Abraham & Straus	10 07
77392		416		Abraham & Straus	3 26
77393		416		Abraham & Straus	5 08
76506		419		The Baker & Taylor Co	18 43
77391		419		The Baker & Taylor Co	26 96
77396		122		The Baker & Taylor Co	3 35
73110	3-31-15		6- 2-15	Welsbach Gas Lamp Co	238 37
73203	4-30-15		6- 2-15	The Crowell Publishing Co	200 00
77476			6-10-15	Fannie B. Iremonger	5 25
77599				A. L. Brasefield, Deputy Supt	179 50
77598			6-11-15	Josiah H. Pitts, Chief Clerk	186 00
				Department of Finance.	
73496		41768	6- 2-15	Louis S. Gimbel	$747 36
73493	4-26-15		6- 2-15	Barrett Adding Machine Co	245 00
76476				Max T. Grifenhagen, Sheriff of the County of New York	3,776 40
76478				Estate of Julius Harburger, former Sheriff, County of New York	114 41
76479				Thomas F. Foley, former Sheriff, County of New York	42 54
76477				John T. Shea, former Sheriff, County of New York	22 88
76468			6- 9-15	Frank L. Stevens	1 75
76467			6- 9-15	Isaac Pitman, Shorthand Writers' Association	3 00
76466			6- 9-15	Fred W. Beatty	13 20
76465			6- 9-15	Quick Service Multigraph Letter Co	95
74492	5-28-15		6- 4-15	Chas. A. Kirkland	15 00
75783	5-26-15		6- 8-15	General Electric Inspection Co	79 00
75786	6- 3-15		6- 8-15	Fallon Law Book Co	9 50
76480			6- 9-15	Aetna Iife Insurance Co	10 85
76482			6- 9-15	John V. Hess	1 00
75780	5-31-15		6- 8-15	Kanouse Mountain Water Co., Inc.	7 20
75781	6- 1-15		6- 8-15	The Peerless Towel Supply Co	6 30
75782	5-31-15		6- 8-15	John Konig	5 01
77436				Edward C. Sheehy	1,000 00
77437				Louis Geissler	150 00
77440				Henry Lieb	75 00
77439				Brooklyn Athenaeum & Reading Room	2,375 00
77438				John McCauley	135 00
77441				James J. McCluskey	75 00
77442				John V. Gannon	180 00
77443				Mrs. Anna C. Becker	50 00
77444				Hay Foundry & Iron Works	1 00
77445				Florence Miller Lantry & Charles C. Miller	135 00
77446				Henry F. Comtois	75 00
74496	5-26-15		6- 4-15	P. W. Vallely, Inc	71 00
74495	5-19-15		6- 4-15	John Wanamaker, New York	17 50
76892				Treasurer, Citizens Engine Co. No. 1	1,200 00
74494	5-12-15		6- 4-15	The Protective Ventilator Co	42 00
76483			6- 9-15	E. MacDonald	9 33
76484			6- 9-15	Cohen Bros.	6 00
76207	5- 1-15		6- 9-15	E. W. Bullinger	7 00
78740				George Riley or Walter H. Dodd, attorney	332 56
78742			6-14-15	Gustav Radtke or J. A. Hilton, attorney	1,127 12

Finance Voucher No.	Invoice Dates or Contract Number.		Received in Department of Finance.	Name of Payee.	Amount.
78942			6-15-15	National City Bank of New York or Shearman & Sterling, attorneys	394,914 37
78941			6-15-15	Bank of New York, N. B. A., or Shearman & Sterling, attorneys	41,635 97
78943			6-15-15	Citizens Central National Bank of New York, or Shearman & Sterling, attorneys	28,966 21
78741			6-14-15	Lucy A. McDevitt or George B. Holbert, attorney	220 93
78158			6-11-15	F. H. E. Ebstein, Receiver of Taxes	806 88
				Fire Department.	
73445	4-16-15	41579	6- 2-15	The Manhattan Rubber Mfg. Co.	$9,934 00
73076	5-13-15	42184	6- 2-15	Thomas Lenane	306 52
73077	5-14-15	42185	6- 2-15	J. & T. Adikes	1,119 27
73081	5-10-15	41184	6- 2-15	James S. Barron & Co.	360 00
73075	5-18-15	42188	6- 2-15	Edward Wisely & Son	811 01
73080	5-10-15	41088	6- 2-15	A. Isaacs & Co.	1,310 80
73079	4-30-15	42199	6- 2-15	Burns Bros.	457 57
73078	4-22-15	41765	6- 2-15	Commercial Coal Co.	982 19
73446		42046	6- 2-15	Frederick Pearce Co.	30 46
76318			6- 9-15	Joseph O. Hammitt, Chief	42 95
73472	5-14-15		6- 2-15	H. E. & C. D. Williams	233 09
73466	5-11-15		6- 2-15	Wagner Specialty Co.	115 20
73454				Indian Refining Co., Inc.	150 66
76317				Joseph O. Hammitt, Chief	29 90
76891				Treasurer, Huguenot Engine Co. No. 1	1,200 00
76890				Treasurer, Great Kills Engine Co. No. 1	1,200 00
76889				Treasurer, Creedmoor Hose Co. No. 1.	800 00
76888				Treasurer, Black Stump Hook and Ladder and Bucket Co. No. 1	1,000 00
76885				Treasurer, Douglaston Hose Co.	800 00
76886				Treasurer, Rosedale Chemical Fire Engine Co.	1,200 00
76887				Treasurer, Rosedale Fire, Hook and Ladder Co.	1,000 00
76884				Treasurer, Queens Hose Co. No. 2	800 00
76883				Treasurer, Queens Hook and Ladder Co. No. 1	1,000 00
76881				Treasurer, Springfield Hose Co. No. 1	800 00
76882				Treasurer, Active Hook and Ladder and Hose Co.	1,000 00
76880				Treasurer, St. Albans Fire, Hook and Ladder Co.	1,000 00
76879				Treasurer, Springfield Chemical Engine No. 1	1,200 00
76878				Treasurer, Columbia Hose Co. No. 1.	800 00
76877				Treasurer, Hollis Hook and Ladder Co. No. 1	1,000 00
76876				Treasurer, Enterprise Hook and Ladder Co.	1,000 00
76875				Treasurer, Bayside Fire Engine Co.	1,200 00
76900				Treasurer, Rossville Hook and Ladder Co. No. 1	1,000 00
76899				Treasurer, Great Kills Hook and Ladder Co. No. 1	1,000 00
76898				Treasurer, Defender Hook and Ladder Co. No. 7	1,000 00
76897				Treasurer, Amicitia Hook and Ladder Co. No. 1	1,000 00
76896				Treasurer, New Dorp Hook and Ladder Co. No. 1	1,000 00
76895				Treasurer, Washington Hook and Ladder Co. No. 1	1,000 00
76894				Treasurer, Oceanic Hook and Ladder Co. No. 1	1,000 00
76893				Treasurer, Richmond Engine Co. No. 1	1,200 00
73438	5-22-15	42183	6- 2-15	Broadway Central Bank of New York, assignee of J. W. Gasteiger & Son	386 27
73438	5-22-15	42183	6- 2-15	J. W. Gasteiger & Son	1,774 72
76321			6- 9-15	R. H. Laimbeer, Jr.	25 00
76319	6- 1-15		6- 9-15	William Ralph	1 50
76320	5-27-15		6- 9-15	Charles S. Demarest, Chief of Construction	1 00
76379			6- 9-15	Robert Adamson, Fire Commissioner, as Trustee and Treasurer, N. Y. Fire Department Relief Fund	17 74
73443	5-15-15	42044	6- 2-15	Knickerbocker Supply Co	101 35
73439	5- 7-15	41100	6- 2-15	The Holbrook Mfg. Co.....Final	768 38
73468	4-21-15		6- 2-15	Clifford, Harrison, Kimball	154 50
				Department of Health.	
73657	5-11-15	42055	6- 2-15	Borden's Condensed Milk Co	688 50
73660		42065	6- 2-15	New York Telephone Co	916 51
73658	5- 8-15	41730	6- 2-15	Meyer-Denker-Sinram Co	561 60
73572	4-23-15		6- 2-15	Agent and Warden of Clinton Prison	413 40
73608	5-10-15		6- 2-15	Library Bureau	112 12
73597	3-31-15		6- 2-15	Samuel E. Hunter	398 58
75923	4-28-15		6- 8-15	Manhattan Produce Co	2 29
75924	4-30-15		6- 8-15	R. F. Stevens Co	16 35
75926	3-22-15		6- 8-15	Benj. E. Weeks	6 50
75536	4-30-15		6- 7-15	John Fitter	25 19
75532	5-11-15		6- 7-15	Sulzberger & Sons Co	34 89
75930	3-29-15		6- 8-15	John F. Schmadeke, Inc	33 75
75929	3-29-15		6- 8-15	John F. Schmadeke, Inc	13 50
73579	3-24-15		6- 2-15	The Standard Utility Co	157 00
75968	5- 4-15		6- 8-15	New York Awning Co	16 00
75965	5- 8-15		6- 8-15	Medical Society of the State of New York	2 50
75947	4-17-15		6- 8-15	Cox Brass Mfg. Co	3 50
75940	5- 6-15		6- 8-15	N. J. Frame & Picture Co	1 15
75938	5- 7-15		6- 8-15	E. G. Soltmann	6 48
75916				Eugene W. Scheffer, Secretary	1 50
75973	4-10-15		6- 8-15	Sheppard & Kellett	18 31
75971			6- 8-15	Michael Paulini	85
75972	4-30-15		6- 8-15	The I. S. Remsen Manufacturing Co	35 79
75962	5- 7-15		6- 8-15	Manhattan Electrical Supply Co	2 27
75558	5- 6-15		6- 7-15	D. P. Winne Co	20 90
75985	10-28-14		6- 8-15	The Harral Soap Co	25 25
75927	5-14-15		6- 8-15	Standard Oil Co. of New York	87
75969	5- 6-15		6- 8-15	Berkefeld Filter Company	8 50
75976	5-20-15		6- 8-15	George A. Roberts	20 15
75977	5-22-15		6- 8-15	S. J. Baker, M. D., Director	33 15
75979	5-17-15		6- 8-15	S. J. Baker, M. D., Director	47 33
75967	5-14-15		6- 8-15	Underwood Typewriter Co., Inc	20 00
75966	3-29-15		6- 8-15	Richardson & Dutt	2 33
73610	3-25-15		6- 2-15	The Royal Carpet Co	60 00
75936	5-17-15		6- 8-15	Crown Stamp Works	60
75935	5- 7-15		6- 8-15	Hammacher, Schlemmer & Co	8 50
75932	4- 9-15		6- 8-15	Standard Oil Co. of New York	30 61
75931	4-20-15		6- 8-15	Lehn & Fink	7 28
75928	4- 9-15		6- 8-15	Standard Oil Co. of New York	5 61
75984				Eugene W. Scheffer, Secretary	2 25
75983				Charles F. Bolduan, M. D., Director	1 50
75981				Traverse R. Maxfield	85
75980				S. J. Baker, M. D., Director	80
75915				S. Dana Hubbard, M. D., Chief	40 25
75970	5-15-15		6- 8-15	John W. Kiesling & Son	7 00
75974	3- 9-15		6- 8-15	Sheppard & Kellett	24 19
75963	5-14-15		6- 8-15	Hammacher, Schlemmer & Co	83
75921			6- 8-15	Schieffelin & Co	66 40
75942				Herman Kornahrens, Inc	17 26
75933				Standard Oil Co. of New York	39 36
75952	5- 6-15		6- 8-15	Peerless Rubber Manufacturing Co	7 50
75951	5- 3-15		6- 8-15	Oriental Rubber and Supply Co., Inc	1 38
75950	5-12-15		6- 8-15	Wm. R. Smith & Co	40 00
75953	5-13-15		6- 8-15	Goodyear's India Rubber Selling Co	13 50
75954	4-20-15		6- 8-15	Nicholas Power Co	2 03
75964	4-26-15		6- 8-15	F. A. Foster & Co., Inc	12 40
75975	3-22-15		6- 8-15	Michael Paulini	3 75
75922			6- 8-15	R. F. Stevens Co	27 44
75937	5-19-15		6- 8-15	Crown Stamp Works	75
73550	3-31-15. 4- 9-15		6- 2-15	The Holbrook Mfg. Co	162 08
73544	4-30-15		6- 2-15	Brosseau & Son	146 50
77528			6-10-15	Marion B. McMillan, M. D., Director	50
				Board of Inebriety.	
76538	5-21-15		6- 9-15	Warwick Valley Light & Power Co	$6 58
76540	5-31-15		6- 9-15	Lehigh & Hudson River Railway Co	34 30
76539	5-31-15		6- 9-15	Lehigh & Hudson River Railway Co	4 64
				Law Department.	
74501	5-13-15		6- 4-15	George Land & Co	$4 80
74501				George Lang & Co	4 80
				The Mayoralty.	
74524	5-19-15		6- 4-15	John Redfield	$40 00
73090	2-19-15. 5-10-15		6- 2-15	The World	245 00
73092	3- 9-15. 4-27-15		6- 2-15	The Evening Mail	356 80
73093	3- 9-15. 4-27-15		6- 2-15	The Evening Post	294 40
73088	3- 9-15. 4-27-15		6- 2-15	New York Press Co., Ltd	312 00
73094	3- 9-15. 4-27-15		6- 2-15	The New York Tribune	338 40
73089	4- 9-15. 4-28-15		6- 2-15	The Evening World	315 70
73095	2-19-15. 5-10-15		6- 2-15	The Globe	336 80
73091			6- 2-15	Sun Printing and Publishing Assn	363 20
				Bronx Parkway Commission.	
76099			6- 8-15	Albert N. Robson, Forester	$32 37
76080	4-28-15		6- 8-15	Westchester Record Co	13 50
76117	5-20-15		6- 8-15	The North Side News Co	48 00
76121	5-21-15		6- 8-15	The Journal of Commerce & Commercial Bulletin	6 00
76110	5-21-15. 5-24-15		6- 8-15	White Plains Daily Record	45 50
76114	5- 1-15. 5-18-15		6- 8-15	MacGowan & Slipper	27 00
76119	5- 1-15. 5-14-15		6- 8-15	Kolesch & Co	11 90
76120	5-21-15		6- 8-15	A. H. Seaman & Co	26 95
76123				Benj. H. Tyrrel	37 45
76092				W. E. & W. I. Brown	75 00
76097	1- 8-15		6- 8-15	Marcus Badt, Assignee of Irving W. Young	75 00
76093	5-19-15		6- 8-15	William V. Kiehnle Co	45 00
76104	5-12-15		6- 8-15	Robert Field	12 00
76081	4-21-15		6- 8-15	Westchester Lighting Co	1 00
76109	4-19-15		6- 8-15	S. W. Hanna	4 86
76111	5- -15		6- 8-15	A. P. Dienst Co., Inc	11 30
76113	4-16-15		6- 8-15	Henry Hudson	35 00
76101	5- 6-15		6- 8-15	National Tracing Cloth Co	3 94
76103	5-13-15		6- 8-15	Charles G. Willoughby	21 00
76107	5- 1-15		6- 8-15	Cornell Bros.	15 35
76108	4-30-15		6- 8-15	Scarsdale Supply Co.	12 34
76106	5-22-15		6- 8-15	Drafting & Map Co	14 80
76082				Scarsdale Hardware Co.	1 89
76083	4-30-15		6- 8-15	Neostyle Co.	8 00
76085	3-31-15. 4-28-15		6- 8-15	Gulf Refining Co.	13 20
76087	4-26-15		6- 8-15	Albert E. Boro	7 77
76088	4-28-15		6- 8-15	E. G. Soltmann	1 49
76098				Jacot & Mullen, Inc.	96 51
				Department of Parks.	
75815	5- 8-15		6- 8-15	Wm. H. Cummings & Sons	$6 25
75811	5-14-15		6- 8-15	James A. Miller	8 00
75812	5-17-15		6- 8-15	The Cudahy Packing Co	16 50
75813	5-27-15		6- 8-15	American Mineral Cleanser Co	17 50
75810				Louis Ruhe	18 00
76298			6- 9-15	New York Telephone Co	75 88
75821	5-18-15		6- 8-15	Manhattan Hardware & Bicycle Co	24 00
75824	5-14-15		6- 8-15	Readsboro Chair Co.	96 00
75832	5-17-15		6- 8-15	Thomas C. Dunham	10 78
75833	5-29-15		6- 8-15	Froment & Co.	15 48
75834	5-12-15		6- 8-15	Samuel Thompson's Nephew & Co	12 72
75835	5-19-15		6- 8-15	Vought & Williams	3 11
75836	5-24-15		6- 8-15	Travers Twine & Cordage Co	19 30
75838	5-27-15		6- 8-15	John Simmons Co.	20 05
75843	5-17-15		6- 8-15	Hugh J. Christie	32 00
76064				New York Zoological Society, Percy R. Pyne, Treasurer	42 75
75816	5- 8-15		6- 8-15	Stump & Walter Co	44 42
75820	4-30-15		6- 8-15	Municipal Garage	68 53
75830	4-29-15. 5-17-15		6- 8-15	Neal & Brinker Co	34 52
75831	4-21-15. 5- 5-15		6- 8-15	The J. L. Mott Iron Works	99 55
75837	5-27-15		6- 8-15	The Smith-Worthington Co.	6 70
75842	4-20-15		6- 8-15	Jno. Wiliams, Inc.	12 00
75840	4-15-15		6- 8-15	Underwood Typewriter Co., Inc	2 00
75707	5-27-15		6- 7-15	Bronx Rubber and Auto Specialties Co.	95 19
				Police Department.	
73002	4-27-15		6- 2-15	Century Wood Work Co.	$195 00
72986	3- 8-15		6- 2-15	Standard Oil Co. of New York	702 48
73041	4-26-15		6- 2-15	Specification Soap & Oil Co., Inc	146 50
73009	5- 1-15		6- 2-15	Chas. H. Heinsohn	192 00
72989	5- 3-15		6- 2-15	Rutherford Ruber Co.	495 52
72990	4-30-15		6- 2-15	New York Sporting Goods Co	2,440 00
76558	5-21-15		6- 9-15	Henry Bainbridge & Co	88
76567	5-17-15		6- 9-15	Sterling Wallace	1 50
76566	5-17-15		6- 9-15	E. G. Soltmann	78
76565	5-20-15		6- 9-15	New York Blue Print Co	38 39
76564	5-21-15		6- 9-15	O. J. Maigne Co.	23 20
76563	5-10-15		6- 9-15	Mechanical Chalk Relief Overlay	52
76569	5-19-15		6- 9-15	The Detective Publishing Co., Inc	2 00
78649			6-14-15	Arthur Woods, Commissioner	4,211 99
73004	3-31-15		6- 2-15	Welsbach Gas Lamp Co	638 55
73005				Andrew Wissel's Son	175 00
73055				Chesbro-Whitman Co.	953 00
76557	4-20-15		6- 9-15	Austin, Nichols & Co., Inc.	4 25
76561	5-14-15		6- 9-15	Joseph I. Grady, Inc.	3 30
76562				Ferdinand Kuster	12 50
73047	4-30-15		6- 2-15	Louis Bossert & Sons	124 34
73051				Valentine & Co.	155 62
73042	5- 7-15		6- 2-15	Standard Oil Company of New York	518 57
73035	4-20-15		6- 2-15	Tower Mfg. and Novelty Co.	131 80
73030	2- 6-15		6- 2-15	S. Tuttle's Son & Co.	308 50
73031				Jurgen-Rathjen Co.	277 80

Finance Voucher No.	Invoice Dates or Contract Number.	Received in Department of Finance.	Name of Payee.	Amount.
			President of the Borough of Manhattan.	
73430		31131	6- 2-15 The Sicilian Asphalt Paving Co.	$128 43
73431		29218	6- 2-15 The Sicilian Asphalt Paving Co.	107 27
73432		37574	6- 2-15 H. F. Gundrum, assignee of Rafferty Bros.	313 86
73437	4-30-15	41469	6- 2-15 John P. Kane Company	479 86
73435		41914	Daniel J. Donelin	2,757 98
73433		29326	6- 2-15 The Barber Asphalt Paving Co.	171 05
73748	4-17-15		6- 3-15 Agent and Warden, Auburn Prison ..	53 00
73737	5- 5-15		6- 3-15 George Damon & Sons	24 32
73798	5-19-15		6- 3-15 Dennison Mfg. Co.	17 50
73747	5-13-15		6- 3-15 Henry Bainbridge & Co.	3 00
73876			A. K. Hohmann	55 00
76450	5-11-15.	5-20-15	6- 9-15 The Banks Law Publishing Co.	13 25
76458	5-15-15		6- 9-15 Broadway Central Hotel	18 00
76406	5- 3-15		6- 9-15 Engineering and Contracting	2 00
76399	5-13-15		6- 9-15 Thomson Meter Co.	7 85
76392	5- 8-15		6- 9-15 Stanley & Patterson, Inc.	5 25
76390	5-15-15		6- 9-15 Stanley & Patterson, Inc.	21 15
76388	3-31-15		6- 9-15 Murray & Sorensen	16 50
76386	5- 3-15		6- 9-15 Casper Glass Co.	15 84
76387	5-10-15		6- 9-15 Patterson Brothers	24 93
76389	2-28-15		6- 9-15 Patterson Brothers	24 73
76430	5-15-15		6- 9-15 Annin & Co.	30 15
76420			A. F. Brombacher & Co.	10 50
76419	5-12-15		6- 9-15 The East River Mill and Lumber Co.	45 00
76416	5-11-15		6- 9-15 Scofield & Co.	4 75
76435	4-30-15		6- 9-15 Durand Steel Locker Co.	35 20
76433	4-15-15		6- 9-15 A. P. Dienst Co., Inc.	3 63
76432	3-26-15		6- 9-15 James Beggs & Co.	32 88
76431	5-10-15		6- 9-15 Jennings Mfg. Co.	6 40
76429	5-14-15		6- 9-15 Building Directories Bulletin and Sign Co.	10 75
76428	4-30-15		6- 9-15 Manhattan Electrical Supply Co.	8 43
76427	5-10-15		6- 9-15 Chesebro-Whitman Co., Inc.	7 00
73436		40484	6- 2-15 John T. Dooling, assignee of Laconia Contracting Co., Inc.	3,666 23
			President of the Borough of The Bronx.	
73692		40277	6- 2-15 Spadaro Contr. Co., Inc.	$2,501 98
75683	4-29-15		6- 7-15 A. P. Dienst Co., Inc.	15 24
75671	6- 1-15		6- 7-15 A. B. Dick Co.	12 00
75688	6- 1-15		6- 7-15 M. Hentel	59 65
75670	5-25-15		6- 7-15 United States Tire Company	53 49
75676	5-24-15		6- 7-15 United and Globe Rubber Mfg. Cos..	31 00
75678	5-27-15		6- 7-15 James S. Barron & Co.	23 85
75694	5-29-15		6- 7-15 A. Rudolph	6 92
75690			6- 7-15 D. Shapiro	29 70
76073	5-27-15	42436	6- 8-15 Olin J. Stephens, Inc.	84 72
			President of the Borough of Brooklyn.	
72961		42077	Rosenthal Engineering Contracting Co.	7,290 38
73700		40668	6- 2-15 Murphy Bros. .....Final	2,056 77
75212	5-25-15		6- 5-15 Lithoprint Co., Inc.	3 40
73702	4-30-15	41805	6- 2-15 General Motors Truck Co.	3,557 50
73699	3-31-15	41734	6- 2-15 Henry J. Moller	1,820 00
73704		40657	Jacob J. Lazarce, Assignee of Barney Klepper	1,500 00
73704		40657	Barney Klepper	558 82
73698		35881	6- 2-15 Art Metal Construction Co., Inc.	598 99
73701		41565	Newman & Carey Co.	8,021 45
76162	5-18-15		6- 8-15 H. & B. Auto Sales Co.	26 81
76161	5-14-15		6- 8-15 The Schapirograph Co.	10 00
76187	5-27-15		6- 8-15 Brooklyn Ladder Co., Inc.	6 50
76186	5-27-15		6- 8-15 Stevenson & Marsters, Inc.	1 65
76166	5- 5-15		6- 8-15 The J. L. Mott Iron Works	44 58
76175	4-30-15		6- 8-15 Pete Bjurberg	49 65
76179	4-30-15		6- 8-15 Pete Bjurberg	24 14
75227	4-30-15		6- 8-15 Bergstrom & Bass	31 46
76159			6- 8-15 Keuffel & Esser Co.	28 24
76182	5-26-15		6- 8-15 Theo. Gaus' Sons.	42 00
76183	5-19-15.	5-21-15	6- 8-15 The Banks Law Publishing Company.	5 50
76184	5-26-15		6- 8-15 Stevenson & Marsters, Inc.	29 61
76185	5-21-15		6- 8-15 West Publishing Co.	3 50
76181	5-17-15		6- 8-15 Bern H. Janssen	4 00
76177	5- 4-15		6- 8-15 Samuel Kaplan	3 50
76174	5-20-15		6- 8-15 Audley Clarke Company	10 10
76172	5-18-15		6- 8-15 Jos. Ruppert	11 13
76170	5-11-15		6- 8-15 William H. Gieseler	11 20
76168	5-10-15		6- 8-15 Godfrey, Keeler Co.	22 68
76169	5- 7-15		6- 8-15 W. R. Adams & Co.	11 47
76167			William H. Gieseler, Successor to Jackson & Cowenhoven	19 54
76171	5-11-15.	5-22-15	6- 8-15 Geo. I. Roberts & Bros.	9 01
76165	5-20-15		6- 8-15 I. S. Remson Manufacturing Co.	25 00
76163	5-19-15		6- 8-15 B. F. Kane & Bro.	67 50
65886			B. C. Miller & Son, Inc.	38 34
75222	4-30-15		6- 5-15 The Long Island Hardware Co.	15 38
75210	5-20-15		6- 5-15 The Smyth-Donegan Co.	23 91
76191			Thomas F. Moran, General Bookkeeper	7 50
73705		37950	6- 2-15 Rockport Granite Co., Assignee of M. J. O'Hara	337 80
73703		33048	6- 2-15 Norton & Gorman Con. Co.	3,393 20
			President of the Borough of Queens.	
75616			6- 7-15 Fred L. Klee	72 85
73681	5-10-15		6- 2-15 T. F. Shea	629 00
73663	5-20-15		6- 2-15 J. E. Backus' Sons.	130 00
73664	5-18-15		6- 2-15 Hyatt & Wood.	125 00
73666	5-19-15		6- 2-15 Ernest W. Hill.	587 50
73685	3- 3-15		6- 2-15 The Draper Manufacturing Co.	300 00
74756	5-18-15		6- 4-15 Duplicator Manufacturing Company...	7 00
75625	5-11-15		6- 7-15 E. G. Soltmann	17 90
75632	5-12-15		6- 7-15 Chas. Hvass & Co., Inc.	80 00
75634	5-17-15		6- 7-15 Edward E. Buhler Co.	70 00
75885			6- 8-15 Heilbut & Kleefeld	52 00
75628	6- 1-15		6- 7-15 A. Rudolph	27 20
75629			6- 7-15 E. G. Soltmann	74 76
75631	5-19-15		6- 7-15 Underwood Typewriter Co., Inc.	33 03
74771	5-13-15		6- 4-15 The Long Island Hardware Co.	26 82
75635	5- 1-15		6- 7-15 Edward E. Buhler Co.	47 50
74567	5- 1-15		6- 4-15 Cavanagh Bros. & Co.	89 60
74766	4-26-15		6- 4-15 The Good Roads Machinery Co., Inc..	22 50
			Public Service Commission.	
76661			H. U. Singhi	$100 00
76662			Veronica Realty Corporation	80 00
76658			Lee Bros. Storage & Van Co.	230 00
73711	4-30-15		6- 2-15 Oatman Manufacturing Co.	159 66
76657			Keller Bros.	50 00
76654			Josephine Collins	50 00
76656			Harry Goodstein Realty Co.	30 00
73713	1- 8-15		6- 2-15 Agent and Warden of Auburn Prison.	104 20
73715			Underwood Typewriter Co., Inc.	148 78
73712	4-30-15.	5-17-15	6- 2-15 T. G. Patterson, Inc.	143 45
73719			6- 2-15 New York Telephone Co.	104 04
73720			6- 2-15 New York Telephone Co.	154 67
			Department of Public Charities.	
73635		42225	Lewis De Groff & Son.	$1,274 76
73644	4-11-15	40934	6- 2-15 Bacon Coal Co.	2,502 06
73638	4-30-15	42051	6- 2-15 Howel Condensed Milk & Cream Co...	717 69
73654		41611	6- 2-15 New York Telephone Co.	777 96
73645	4- 7-15	40927	6- 2-15 Geo. D. Harris & Co., Inc.	2,933 26
73649	5- 1-15	41919	6- 2-15 John Fitter	2,151 72
73637	3-31-15	41900	6- 2-15 Henneberger & Herold	112 10
73650	4- 3-15	41901	6- 2-15 R. F. Stevens Co.	238 05
73648	3-31-15	41625	6- 2-15 John P. Kane Co.	544 00
73647	5- 5-15	41429	6- 2-15 Federal Cotton Mfg. Co.	590 00
73651	4-22-15	40929	6- 2-15 Gavin Rowe	1,655 30
73633		41747	6- 2-15 Frank Sutton	125 00
71883	3-16-15		5-28-15 The Harral Soap Co.	74 64
73652		40590	6- 2-15 Edward Theriault	2,700 00
77055			6-10-15 Angus P. Thorne, Superintendent.	104 76
77057			6-10-15 G. G. Thomson, Third Deputy Commissioner	1 60
77058			6-10-15 Stanley H. Howe, Secretary to Commisioner	39 18
77054			6-10-15 Angus P. Thorne, Superintendent.	130 00
			Register, New York County.	
76537			6- 9-15 James P. Davenport	$9 00
			Sheriff, Richmond County.	
76260	6- 2-15		6- 9-15 Geo. D. Sharpe, postmaster	$20 00
			Department of Taxes and Assessments.	
76290	4-12-15		6- 9-15 The Legislative Index Publishing Co..	$50 00
76289	5-25-15		6- 9-15 John Haney	10 00
76278			John A. R. Duntze	8 20
76278			6- 9-15 John A. R. Duntze	8 20
76280			6- 9-15 Joseph J. Mahoney	5 36
76279			6- 9-15 James A. Tappen	3 35
76281			6- 9-15 Joseph Doyle	4 60
			Tenement House Department.	
76843	6- 8-15		6-10-15 John J. Murphy, Commissioner.	$15 35
76842	6- 3-15		6-10-15 Francis A. Smith	1 11
76841			Henry C. Meyer	7 00
			United States Volunteer Life Saving Corps.	
75956	4-22-15		6- 8-15 Mianus Motor Works	$20 90
75955	4- 1-15		6- 8-15 Aetna Embroidery Works	2 50
			Board of Water Supply.	
75769	4- 1-15		6- 8-15 The City of Yonkers, Bureau of Water	$5 38
75747	5-14-15		6- 8-15 Rutherford Rubber Co.	19 62
75754	4- 1-15		6- 8-15 The Board of Water Commissioners of Cold Spring, N. Y.	17 59
75753	3- 1-15.	4- 1-15	6- 8-15 Westchester Lighting Co.	17 20
75767	5-19-15		6- 8-15 Wm. A. Geis	15 00
75766	4-30-15		6- 8-15 W. F. Chambers & Sons.	57 51
75748	4-30-15		6- 8-15 The Lithoprint Co.	25 21
75761	3-31-15		6- 8-15 Peekskill Lighting and Railroad Co..	3 92
75759	5- 1-15		6- 8-15 S. C. Lander	2 00
75762	3-31-15		6- 8-15 J. Pfister	1 25
75768			Canfield Supply Co.	13 40
75770	5-15-15		6- 8-15 Club Garage Co.	22 54
75773	5-22-15		6- 8-15 Montgomery & Co., Inc.	1 89
75775			O'Connell Bros., Truckmen, Inc.	9 50
75764	4-17-15		6- 8-15 Rider-Ericsson Engine Co.	14 05
75763	4- 1-15.	5- 1-15	6- 8-15 W. L. Post & Son.	10 40
75760	4- 1-15.	5- 1-15	6- 8-15 William Nelson	32 75
75757	5-19-15		6- 8-15 C. V. Ennist	29 60
75756	5- 7-15		6- 8-15 C. H. Du Bois & Son.	10 00
75755	5- 5-15		6- 8-15 C. E. Cocks' Sons	5 25
75751	5-21-15		6- 8-15 Keystone State Construction Co.	15 00
75750	2- 1-15		6- 8-15 Knickerbocker Towel Supply Co.	3 60
75749	5-21-15		6- 8-15 Lee Brothers	5 40
75758	3-31-15.	4-30-15	6- 8-15 Hardcastle & Bush	60 00
75752			Johnston's Garage	32 92
			Department of Water Supply, Gas and Electricity.	
74098	4-13-15		6- 3-15 Welsbach Gas Lamp Co.	$29 66
75591	5-18-15		6- 7-15 The Tabulating Machine Co.	20 00
75605	3-22-15		6- 7-15 T. F. Harrington & Son	2 30
75604	3-19-15		6- 7-15 Tracy & Heslin	2 69
75877	5-15-15		6- 8-15 Stumpp & Walter Co.	6 00
74094	5-18-15		6- 3-15 The Bristol Company	17 57
75878	5-17-15		6- 8-15 Eimer & Amend	15 50
75879	5-21-15		6- 8-15 Alfred Chatwin Supply Co.	16 15
75602	3-20-15		6- 7-15 Henry R. Worthington	7 76
76547			6- 9-15 Nelson H. Henry, Water Register	152 88
76549	5-12-15		6- 9-15 August H. Kirchmer, Chief Clerk	5 41
75191	5-17-15		6- 5-15 Remington Typewriter Co.	62 48
76543			C. E. Tyrrell, Cashier	80
75594	5- 7-15		6- 7-15 Robert A. Keasbey Company	77 00
75880	4-30-15		6- 8-15 Wells, Fargo & Co. Express	2 00
76554			6- 9-15 Frank E. Hale, Director of Laboratories	37 65
76555			6- 9-15 John V. Harte, Clerk	4 05
76553			6- 9-15 E. Braham, Messenger	2 45
75612			6- 7-15 Le Roy Newton	2 50
75882	5-13-15		6- 8-15 The Manhattan Supply Company	6 60
75610	5-12-15		6- 7-15 The Blake & Knowles Steam Pump Works	16 00
75609	5-21-15		6- 7-15 Alfred Chatwin Supply Co.	7 25
75608	5-19-15		6- 7-15 Cross, Austin & Ireland Iumber Co. ..	10 08
75607	5-18-15		6- 7-15 Cavanagh Bros. & Co.	5 25
75881	5-21-15		6- 8-15 Alfred Chatwin Supply Co.	46 95
75606	5-10-15		6- 7-15 Peter Henderson & Co.	16 50
76552			6- 9-15 William F. Laase, Assistant Engineer.	127 59
76541			6- 9-15 Merritt H. Smith, Chief Engineer	27 15
76546	5- 1-15		6- 9-15 Thomas Murphy	30 00
76548	3- 4-15		6- 9-15 Burroughs Adding Machine Co.	3 75
78571			6-12-15 Henry E. Fox	658 71
[redacted]			6-11-15 William Williams, Commissioner	500 00

VOUCHERS RECEIVED IN DEPARTMENT OF FINANCE, TUESDAY, JUNE 15, 1915.

A statement is herewith submitted of all vouchers filed in the Department of Finance on this date, in which is shown the Department of Finance voucher number, the date of the invoices or the registered number of the contract, the name of the payee and the amount of the claim. Where two or more bills are embraced in one voucher the date of the earliest is given, excepting that when such vouchers are submitted under a contract the registered number of the contract is shown instead.

WILLIAM A. PRENDERGAST, Comptroller.

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
		Department of Bridges.	
79263	35224	A. E. Norton, Inc.	$715 41

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
79643	41792	New York Telephone Co...	79 67
79644	41551	New York Telephone Co...	145 74
		Bellevue and Allied Hospitals.	
79652	5- 7-15	N. Y. Diet Kitchen Assn...	71 26
79653	4-29-15	Mead, Johnson & Co.....	60 00
79654	3- 5-15	Conron Bros. Co.....	1 80
79655	5-13-15	Burton & Davis Co.....	12 89
79656	5- 6-15	Frank Lennon Co.....	246 95
79657	4-29-15	Burnitol Mfg. Co.....	21 00
79658	4- 1-15	Disinfecting & Exterminating Corp.	12 00
79659	4-15-15	George Murphy, Inc.....	7 63
79669	5- 5-15	Henry Allen	14 00
79670		The George P. Clark Co....	37 80
79671	4-20-15	The Manhattan Supply Co..	149 46
79672	5- 1-15	Kalt Lumber Co.....	22 03
79673	5- 5-15	The N. J. Wire Cloth Co....	48 00
79674	4-28-15	Cavanagh Bros. & Co.....	70 86
79675	5-12-15	Chilton Paint Co.....	38 58
79676	4-30-15	The Kny-Scheerer Co.....	274 84
79677	4-30-15	American Laundry Machinery Co.	145 50
79678	4-20-15	C. L. Dooley, Inc.....	149 00
79679	4-24-15	Kranich & Bach	4 50
		Coroners, Borough of The Bronx.	
79836	5-29-15	Berkshire Products Co.....	$3 75
79837	5-31-15	Fredk. Schildwachter	4 80
79838	5-31-15	Boulevard Renting Co.....	28 50
		Municipal Courts.	
79770		Knickerbocker Ice Co.....	$6 33
79771	6- 1-15	The Banks Law Pub. Co....	204 00
79772	5-26-15	Underwood Typewriter Co., Inc	82 33
		City Magistrates' Courts.	
79719	6- 7-15	Wm. F. Herterich	$5 40
79720	6- 7-15	Rochester Germicide Co....	34 50
79721	5-22-15	Emil Lazansky	5 50
79722	5-30-15	The Brooklyn Citizen	60 00
79723	5-26-15	P. J. Collison & Co.....	38 50
79724		The Peerless Towel Supply Co.	1 50
79725	6- 1-15	J. W. Cleary	4 00
79726	5-31-15	N. Y. Bottling Co.....	1 50
79727	6- 4-15	Urquhart & Fox Co.....	2 30
79728	5-15-15	William F. Delaney	3 45
79729		William F. Delaney	77 50
		Court of Special Sessions.	
79648		Frank W. Smith	$366 16
		County Clerk, New York County.	
79439		Gane Bros. & Co.....	$299 15
79440		Knickerbocker Ice Co.....	8 75
		Department of Correction.	
79342	4-30-15	Jacob Boss	$121 00
79343		The Fleischmann Co.....	190 00
79344	5- 7-15	The Curtis O. K. Supply Co.	5 00
79345	1-27-15	Hull, Grippen Co.	52 00
79346	3-27-15	Farbwerke, Hoeschst Co. ...	150 00
79347	4-29-15	Johnson & Johnson	30 00
79348	4-30-15	E. R. Squibb & Sons.....	180 00
79349	4-21-15	Dept. of Public Charities....	4 50
79350	4-30-15	Municipal Garage	15 76
79351	4-15-15	Ben Ayr Poultry Farm.....	20 00
79352	4-15-15	V. M. Buck	7 20
79353	5- 6-15	E. M. Elliott & Sons.....	149 93
79354	4- 2-15	J. M. Thorburn & Co.....	182 93
79355	5- 3-15	J. M. Thorburn & Co.....	2 16
79356	4-21-15	Burns Bros.	36 25
79357	5- 7-15	Singer Sewing Machine Co.	1 10
79358	4-28-15	The Sith Worthington Co..	5 93
79359	4-26-15	Charles G. Willoughby	7 16
79360	5- 5-15	M. E. Fischman	10 00
79361	5-11-15	Library Bureau	28 50
79362	4-30-15	Wilson Stamp Co.....	1 45
79363	4-28-15	James S. Barron & Co.....	9 30
79364	4-30-15	L. Narth & Son.....	6 50
79365	4-30-15	A. & W., Sing Sing Prison.	44 75
79366	4-28-15	John Simmons Co.....	4 95
79367	4-27-15	The Smith-Worthington Co.	10 10
79368	4-30-15	Municipal Garage	9 75
79369	4- 1-15	Poertner Motor Car Co....	110 80
79370	3- 9-15	J. B. Greenhut Co.....	831 81
79371	4-20-15	The Angle Mfg. Co.....	6 80
79372	5-10-15	James S. Barron.....	11 58
79373		Crandall Packing Co.....	90 87
79374	5- 6-15	The Fairbanks Co.	4 15
79375	4-15-15	Fred Green	2 00
79376	4- 8-15	Peter Henderson & Co....	20 00
79377	1-26-15	Hull, Grippen & Co.....	42 91
79378	5- 6-15	Wm. Langbein & Bros.....	1 50
79379	5- 5-15	The Lisk Mfg. Co., Ltd....	200 00
79380	4-24-15	Charles Menke	126 00
79381	4-24-15	Montgomery & Co.....	55 09
79844	4-26-15	Patriarche & Bell.....	64 14
79845	4-23-15	J. M. Thorburn & Co.....	93 00
79846	4- 8-15	J. S. Woodhouse	225 41
79847	5- 5-15	E. T. Joyce	3 39
79848	4-21-15	The Babcock & Wilcox Co.	8 28
79849	4-29-15	E. T. Joyce.....	15 33
79850	4-21-15	E. B. Latham & Co.....	8 28
79851	4-22-15	Wm. P. Young & Bros...	24 16
79852	5- 4-15	Geo. H. Storm & Co.....	24 00
79853	4-23-15	E. F. Keating Co.	40 57
79854	5- 4-15	John Simmons Co.....	123 52
79855	4-15-15	Candee, Smith & Howland Co.	168 91
79856	5- 4-15	Peter J. Constant.....	83 55
79857	4-28-15	U. T. Hungerford Brass & Copper Co.	12 83
79858	4- 2-15	Theo. W. Morris & Co.....	48 89
79859	4-29-15	Otden & Wallace	76 69
79860	4-26-15	Richardson P. Boynton Co.	16 55
79861	4-30-15	L. Barth & Son.....	15 00
79862	4-20-15	Buck Bros.	60
79863	5- 3-15	Thomas Dunham	19 75
79864		Gordon Lumber Co.....	84 84
79865	4-30-15	G. Haussler & Bro.....	1 50
79866	5-12-15	Hull, Grippen & Co.....	59 09
79867		Kells Mill & Lumber Co., Inc.	44 83
79868	3-30-15	T. C. Northrop	35
79869	5- 1-15	Pfister & Vogel Leather Co.	18 20
79870	4-27-15	Vought & Williams.....	33 75
79871	3-23-15	J. S. Woodhouse & Co....	27 91
79872	4-28-15	W. H. Hills Co.....	96 86
79873	4-26-15	Jos. D. Duffy.....	37 29
79874	4-23-15	Troy Laundry Machinery Co.	6 18
79875	5- 1-15	S. H. Creeden	5 65
79876	4-30-15	Kipp Wagon Co.....	26 45
79877	4-30-15	J. & J. Marcus.....	1 55
79878	3-31-15	John T. Ogden & Son.....	7 55
79879	4-30-15	M. Reidy	23 05
79880	3-31-15	S. H. Creeden	16 76
79881		Durjin & Ryan	30 00
79882	4-30-15	P. J. McArdle	71 00
79883	4-30-15	Andrew Reaney	16 00
		District Attorney, Queens County.	
79206		Denis O'Leary	$5 00
79207	5-29-15	Great Bear Spring Co.....	1 80
79208		Empire State W. C. & Towel Supply Co.	2 16
79209	6- 1-15	Munson Supply Co.....	3 15
79210		Alphonse L. McCormack...	20 59
79211		Wm. Borges	43 55
79212		Jas. H. Nix.....	7 46
79213		Edward Coch	16 90
79214		August J. Treibel	12 70
79215		Jas. Robinson	8 40
79216		Alonzo Carmen	5 08
79217		George L. Green	8 46
79218		Lawrence P. Doyle	3 55
79219		Edward J. Young	6 73
79220		Isaac Mindheim	34 00
79221		Herman D. Garban	6 15
79222		Broadway Taxicab Co.....	93 50
		Board of Elections.	
79773	6- 9-15	I. Weissberger & Son.....	$40 00
79774	6- 7-15	The Van Dorn Iron Works Co.	10 00
79775	6- 8-15	P. J. Collison & Co.....	152 00
79776	6-10-15	M. B. Brown Ptg. & Bdg. Co.	152 00
79777	6-11-15	Charles H. Aitken	300 65
		Department of Education.	
78920	38618	The Brooklyn Daily Eagle..	$221 35
78921	38455	Harper Paper Co.....	640 11
78922	41676	Woldenberg & Schaar	4 44
78923	41742	Underwood Typewriter Co.	5 00
78924	41183	E. Steiger & Co.....	15 18
78925	41124	M. J. Tobin	53 55
78926	38623	H. C. Hallenbeck.....	438 69
78927	41220	Jas. A. Miller.....	167 93
78928	41353	Manning, Maxwell & Moore, Inc.	78 10
78929	41347	Cavanagh Bros. & Co.....	213 40
79036	3- 8-15	The Oliver Typewriter Co..	48 50
79037	3-12-15	Parshelsky Bros., Inc.....	34 20
79038	3-15-15	A. & W. Auburn.....	44
79039	3-26-15	L. Reusche & Co.....	20 55
79026	4-21-15	G. P. Putnam's Sons.....	10 49
79027	3-23-15	F. C. Stechert Co.....	3 54
79028	3-23-15	Stanley & Patterson.....	28 34
79029	3-24-15	Patterson Bros.	21 13
79030	3-20-15	Max Pollack & Co.....	5 38
79031	3- 5-15	Pratt & Whitney Co.....	3 33
79032	3-10-15	J. M. Saulpaugh's Sons....	125 53
79033	3-27-15	Vaughan's	19 65
79034	4- 8-15	Singer Sewing Machine Co.	123 60
79035	3-17-15	Scientific Equipment Co....	32
79093	41006	A. W. King	598 50
79094	41853	Jas. I. Newman	495 00
79095	42451	Wm. Kreisberg	720 00
79096	42143	J. H. Werbelovsky Est.....	1,135 62
79097	42321	August Wille, Jr.....	683 00
79098	37294	T. Fredk. Jackson, Inc.....	99 00
79099	37294	T. Fredk. Jackson, Inc.....	1,501 00
79100	40690	American Seating Co.....	280 00
79101	37028	E. Rutzler Co.	256 00
79102	40098	Max Klausner	844 70
79103	41691	Schoverling, Daly & Gales..	810 00
79104	40831	Blake & Williams.....	1,211 40
79105	40614	The A. H. Andrews Co....	227 40
79106	40614	The A. H. Andrews Co.....	227 40
79107	40844	Gurney Elevator Co.....	692 55
79108	40713	E. Rutzler Co.	6,030 00
79109	40832	Commercial Const. Co.....	450 00
79110	40087	Jas. I. Newman	574 00
79111	40861	Frank Tracy	355 00
79112	39818	Krenkel Cont. Co.	370 00
79113	40240	Jas. I. Newman	434 00
79114	40245	Chas. Cohen	284 00
79076	3-22-15	Brooklyn Daily Eagle	24 00
79077	5-13-15	Gutenberg Prtg. Co.	57 72
79078	4-26-15	M. J. Tobin	62 08
79079	5-13-15	Henry Solfleisch Co.....	61 85
79080	5-10-15	Peerless Manifold Book Co.	28 55
79081	5- 7-15	J. W. Pratt Co.....	3 00
79082	5- 4-15	Clarence S. Nathan, Inc....	91 52
79083	5- 6-15	H. C. Hallenbeck	7 00
79084	4- 9-15	M. J. Tobin	7 50
79085	3-27-15	M. J. Tobin	23 54
79086	5-11-15	S. T. Smith Co.....	7 50
79087	5-11-15	Union Card & Paper Co....	25 50
79088	5- 6-15	Montague Mailing Machinery Co.	2 00
79089	5-13-15	Krengel Mfg. Co.	2 25
79090	6- 1-15	Rufus J. Suits	10 77
79091	5- 4-15	M. J. Tobin	9 50
79092	5- 7-15	Rand, McNally & Co.....	60
78985	4- 3-15	W. R. Ostrander & Co.....	25 89
78986	2-20-15	Royal Card & Paper Co.....	306 80
78987	4-13-15	J. M. Saulpaugh's Sons.....	15 60
78988	3-26-15	Scientific Equipment Co....	57 40
78989	2-18-15	Weston Electrical Inst. Co..	363 00
78990	3-20-15	Vought & Williams	32 40
78991	4- 7-15	Chas. Zinn & Co.....	2 25
78992	3-20-15	Union Card & Paper Co...	87 12
78993	2-26-15	D. Van Nostrand	5 96
78994	4-16-15	Abraham Vivack	21 60
78995	3- 9-15	Schoverling Daly & Gales...	24 75
78996	3-16-15	M. J. Tobin	29 00
78997	4-13-15	A. G. Spaulding & Bros....	1 00
78998	2-25-15	Agent and Warden, Clinton Prison	434 28
87999	4- 9-15	Agent and Warden, Sing Sing Prison	80 00
79000	3-28-15	Union Card & Paper Co....	6 00
79001	3-26-15	Tower Mfg. & Nov. Co....	28 56
79002	3-24-15	Vought & Williams	17 10
79003	3-30-15	John Wanamaker	3 15
79004	4- 6-15	H. Weiss & Co.....	28 65
79061	6-11-15	Wm. C. A. Card	60 00
79062	4- 1-15	Frank Biedermann	11 50
79115	4-15-15	Geo. Kessler	49 98
79116	1-11-15	Hammacher, Schlemmer Co.	1 00
79040	3-25-15	Clarkson & Ford Co.....	36 50
79041	3-19-15	Montgomery & Co., Inc.....	83 94
79042	4-13-15	S. Miller	35 00
79043	3-30-15	Henry Moss & Co.....	4 04
79044	3-17-15	Henry Lindenmeyr & Sons..	133 95
79045	3- 2-15	Machinery	25 00
79046	4-10-15	Manhattan Electrical Supply Co.	11 40
79047	4-15-15	Louis Dejonge & Co.....	60
79048	2-18-15	The Burr & Houston Co..	35 00
79049	2- 1-15	Berger Brothers Co.	32 10
79050	3-10-15	American Type Founders Co.	7 92
79051	4- 7-15	Balfour & Koch Co.....	7 63
79052	4-10-15	Dept. of Correction	16 25
79053	3-10-15	Library Bureau	8 40
79054	5-25-15	Hugh D. McGrane	100 00
79055	3- 5-15	T. J. Mullen	4 00
79056	4-10-15	McElraevy & Hauck Co.....	7 90
79057	3-27-15	McGraw, Hill Book Co., Inc.	25 50
79058	4-14-15	George Nash Co.	8 01
79059	4-16-15	Manning, Maxwell & Moore, Inc.	17 25
79060	2-27-15	C. H. Congdon	90
79005	3-30-15	Henry Allen	30
79006	2-19-15	O. J. Maigne Co.....	5 50
79007	4- 1-15	H. W. Jarchow	2 55
79008	3-16-15	Eimer & Amend	60
79009	2-26-15	Gimbel Bros.	40 25
79010	2-17-15	The Baker & Taylor Co...	45
79011	4-22-15	The Boston Book Co.....	2 00
79012	4-21-15	Gaylord Bros.	22 57
79013	4- 9-15	A. T. Thompson & Co.....	27 50
79014	4-22-15	Houghton, Mifflin Co.....	8 99
79015	3-31-15	Chas. Beseler Co.	39 60
78938	41345	The Manhattan Supply Co..	220 25
78939	41699	Geo. T. Montgomery	2 20
78940	41231	Aluminum Cooking Utensil Co.	1 17
79135	3-11-15	Blomingdale Bros.	1 87
79136	3-29-15	Colonial Co.	30
79137	3- 4-15	James H. Bailey & Co.....	28 91
79138	3-18-15	James A. Miller	70
79139	3-29-15	Bausch & Lomb Optical Co.	16 50
79140	3-30-15	Sol Lazarus	278 75
79141	4-15-15	Milton Bradley & Co.....	6 00
79142	4-15-15	Monarch Vacuum Co.	67 50
79143	3-11-15	American Type Founders Co.	43 20
79144	3-19-15	E. B. Latham & Co.....	36 58
79145	3-19-15	Montgomery & Co., Inc....	64 98
79146	5- 8-15	M. J. Tobin	11 95
79147	3-26-15	Henry Holt & Co.....	12 00
79148	3-29-15	Montgomery & Co., Inc....	1 40
79149	3-16-15	Vought & Williams	21 10
79150	3- 8-15	McKinley Pub. Co.	16 95
79151	4- 5-15	Schrock & Squires	28 36
79152	2-10-15	Gerry & Murray	2 90
79153	3-25-15	Milton Bradley Co.	6 75
79154	5-10-15	American Type Founders Co.	3 58
79155	4- 9-15	Addressograph Co.	8 51
79156	4-19-15	C. W. Jean Co.	35 40
79172	41682	Parex Mfg. Co.....	15 00
79173	39296	The Baker & Taylor Co.....	1 37
79174	41629	American Book Co.....	22 40
79175	41672	Charles Scribner's Sons.....	3 16
79176	39296	The Baker & Taylor Co....	1 00
79177	41639	Ginn & Co.	75
79178	41645	D. Appleton & Co.	1 79
79179	39291	Ginn & Co.	2 50
79180	39285	D. C. Heath & Co.....	1 88
79181	41667	Charles E. Merrill Co.	3 70
79182	41678	Scientific Equipment Co....	1 20
79183	41715	E. Steiger & Co.....	1 89
79184	41659	Milton Bradley Co.	39 16
79185	41652	Educational Pub. Co.....	280 60
79186	41671	The A. N. Palmer Co.	14 00
79187	41630	Isaac Pitman & Sons.....	4 20
79188	41700	Lyons & Carnahan	3 00
79189	41656	Syndicate Trading Co.	15 07
79190	41530	Talens & Son	5 61
79191	41638	Benj. H. Sanborn & Co.....	19 65
79192	41657	Atkinson, Mentzer & Co....	52 10
79193	41356	Woldenberg & Schaar.....	33
79194	41165	Samuel Gabriel Sons & Co..	126 72
79195	41461	The J. W. Pratt Co.	9 81
79196	41478	J. M. Saulpaugh's Sons	159 59
		J. M. Saulpaugh's Sons	14 90
79197	41635	The Macmillan Co.	1,005 71
		The Macmillan Co.....	511 45
79198	41639	Ginn & Co.	1,954 10
		Ginn & Co.	70 85
79199	41675	The Kny-Scheerer Co.	1 75
79200	41349	L. E. Knott Apparatus Co...	21
79201	41680	L. E. Knott Apparatus Co..	14
79202	41636	Houghton, Mifflin Co.	33 76
79203	41346	Hammacher-Schlemmer Co.	9 70
79204	41352	The Smith Tablet Co.....	3 15
79205	41247	S. C. Johnson & Son	20
79157	5-10-15	Mitchell Plumbing Co.	118 00
79158	5-17-15	Max Jackel	5 50
79159	5-12-15	Flanagan, Kramer Co., Inc..	113 00
79160	4-16-15	Allen & Ryan	487 00
79161	5-21-15	Edward J. Belford	53 25
79162	5-10-15	John Neal's Son	216 00
79163	4-23-15	Sharrotte & Schantz	9 00
79164	2- 3-15	J. B. Greenhut & Co.	20 50
79165	3- 4-15	Louis Imershein	139 50

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
79166	5- 6-15	Richmond School Furn. Co.	49 50
79167	12-24-14	F. J. Kloes	21 00
79168	2-10-15	C. M. O'Connor	382 75
79169	3-25-15	A. & W., Auburn	1,204 55
79170	4-23-15	The Croker National Fire Prev. Eng. Co.	9 40
79171	4- 9-15	T. Fredk. Jackson, Inc.	442 50
79117	41176	Defiance Mfg. Co.	3 05
79118	41345	The Manhattan Supply Co.	15 43
79119	41482	Defiance Mfg. Co.	33 00
79120	41255	C. I. Davids & Son	3 24
79121	41172	F. W. De Voe & C. T. Raynolds Co.	67
79122	41743	A. B. Dick Co.	3 14
79123	41214	Abraham & Straus	4 21
79124	41192	F. S. Banks & Co.	9 12
79125	41193	The Bklyn Daily Eagle	7 28
79126	41784	Bloomingdale Bros.	78
79127	41179	Milton Bradley Co.	11 20
79128	41629	American Book Co.	56 60
79129	41682	Parex Mfg. Co.	38
79130	41379	Hopper Paper Co.	19
79131	41681	Henry Allen	70
79132	41245	The New Home Sewing Machine Co.	74 00
79133	41201	Jas. S. Barron & Co.	11 01
79134	41353	Manning, Maxwell & Moore, Inc.	13 63
78930	41651	Little, Brown Co.	1 90
78931	41699	George T. Montgomery, Inc.	57
78932	41201	Jas. S. Barron & Co.	8 09
78933	41681	Henry Allen	16 68
78934	41210	Brooklyn Lumber Co.	21 00
78935	41353	Manning, Maxwell & Moore, Inc.	4 20
78936	41345	The Manhattan Supply Co.	23
78937	41353	Manning, Maxwell & Moore, Inc.	2 10
79016	3-11-15	E. Steiger & Co.	1 86
79017	4-26-15	F. W. De Voe and C. T. Raynolds Co.	4 32
79018	4- 9-15	Brentanos	21 45
79019	4-19-15	Dodd, Mead & Co.	5 40
79020	4- 3-15	Isaac Pitman & Sons	96
79021	3-19-15	The Macmillan Co.	2 25
79022	1-20-15	Lemcke & Buechner	16 25
79023	3-19-15	John Wanamaker	40 84
79024	4-19-15	L. C. Smith & Bros. Typewriter Co.	2 40
79025	4-21-15	Chivers Book Binding Co.	3 00
79063	4-24-15	The J. W. Pratt Co.	6 00
79064	4-23-15	Tower Mfg. & Nov. Co.	3 33
79065	4-16-15	Henry Moss & Co.	6 15
79066	2-17-15	Henry W. Solfleisch Co.	5 50
79067	5- 7-15	Monarch Manifold Book Co.	300 00
79068	5- 7-15	William Bratter & Co.	25 80
79069	5- 8-15	The Brooklyn Daily Eagle	3 70
79070	4- 5-15	The J. W. Pratt Co.	16 21
79071	2-27-15	Young Men's Christian Assn.	160 00
79072	1-28-15	Bedford Branch Y. M. C. A.	140 00
79073	3- 1-15	Clarence S. Nathan, Inc.	55 60
79074	3-16-15	The Brooklyn Daily Eagle	20 00
79075	2-20-15	The H. B. Claflin Co.	166 66
79610	5-19-15	J. J. Cooke & Son	16 18
79611	3-27-15	Aumann & Kiernan	33 12
79612	5- 3-15	George Roach	21 35
79613	4-16-15	H. S. Brower	10 24
79614	5- 6-15	Gregg Bros.	9 45
79615	4-22-15	Paul C. Taylor	7 97
79616	4-27-15	William Bailey	25 90
79617		The Draper Mfg. Co.	7 75
79618	4-27-15	J. D. Johnson	3 50
79619	3- 1-15	Franklin Simon & Co.	39 34
79620	4-15-15	M. B. Brown Ptg. & Bdg. Co.	11 38
79621	3-22-15	Jas. W. Cone	3 50
79622	3-23-15	The Packard Commercial School Co.	17 81
79623	3-29-15	Frank Beiderman	85
79624	1- 5-15	Chas. Beseler Co.	432 95
79625	4-28-15	A. W. King	338 00
79626	1-11-15	Finnan & Lee	238 00
79627		C. J. Doherty	320 00
79628	1- 7-15	General Electric Co.	209 50
79629	3-22-15	Alexander Muether	392 00
79630	7-29-14	T. C. Moore & Co.	3 00
79631	3- 3-15	G. E. Stechert & Co.	2 95
79632	2-18-15	T. C. Moore & Co.	1 35
79633	6-21-15	Remington Typewriter Co.	60
79799	40264	N. Y. Calcium Light Co.	714 25
79800	41591	J. & T. Adikes	76 36
79801	41685	The Brooklyn Daily Eagle	6 00
79802	41706	Clarence S. Nathan, Inc.	31 56
79803	41703	M. J. Tobin	257 00
79804	41703	M. J. Tobin	47 50
79805	41253	A. L. Nathan & Co.	1 74
79806	41195	Tower Mfg. & Novelty Co.	9 39
79807	40264	N. Y. Calcium Light Co.	1,449 90
79788	41378	Geo. T. Montgomery	31 28
79789	41253	A. L. Nathan & Co.	56 65
79790	41531	Samuel Lewis	3 29
79791	41175	Bloomingdale Bros.	13 72
79792	41243	Putnam & Co.	3 20
79793	41532	Schoverling, Daly & Gales	194 10
79794	40264	N. Y. Calcium Light Co.	16 50
79795	40264	Burns Bros.	1,372 06
79796	39879	Alex. J. Fraser	288 38
79797	39878	Hartwell, Lester & Clitter, Inc.	24 07
79798	39875	C. H. Reynolds' Sons	12,070 26
79808	41181	Gerry & Murray	14 71
79809	41161	J. B. Greenhut & Co.	53 13
79810	41171	Owen M. Dawson	8 91
79811	41475	H. T. Dakin	2 30
79812	41174	Alfred Field & Co.	9 60
79813	41207	Louis S. Gimbel	6 40
79814	41354	H. T. Dakin	6 39
79815	41343	Knickerbocker Supply Co.	9 96
79816	41246	J. L. Hammett Co.	45
79817	41182	O. M. Gottesman	201 50
79818	41674	The Emil Greiner Co.	44
79819	41161	J. B. Greenhut & Co.	8 86
79820	41343	Knickerbocker Supply Co.	1 92
79821	41476	Kalt Lumber Co.	28 26
79822	41675	The Kny Scheerer Co.	4 54
79823	41680	L. E. Knott Apparatus Co.	20 82
79824	41349	L. E. Knott Apparatus Co.	8 29
79825	41352	The Smith Tablet Co.	5 70
79826	41476	Kalt Lumber Co.	26 85
79827	41212	Eugene Dietzgen Co.	32 50
79828	41493	Eberhard Faber	2 34
79829	41533	Kolesch & Co.	5 32
79830	41189	Favor, Ruhl & Co.	17 28
79831	41162	Eberhard Faber	6 00
79832	41182	O. M. Gottesman	14 18
		Department of Finance.	
79223		Louis Freidman	$407 22
79224		John Whalen	1 22
79225		G. Ferri	143 64
79226		Nellie M. Ward	1 00
79227		The Thrift	60 74
79228		Albert J. Glynn	29 85
79229		Wm. T. Wilcox	13 20
79230		David Weinstein et al.	2 23
79231		Atlantic Savings & Loan Assn.	20 00
79232		Eltonia Realty Co.	10 00
79233		Est. of Jos. H. Colyer	100 00
79234		Est. of L. E. Jesswenn	44 25
79235		Dora Pines, Assignee	454 05
79236		Harry Zirinsky	10 83
79237		Lipman Lipshitz, Assignee	14 75
79238		Harry Zirinsky	16 54
79239		Harry Zirinsky	18 52
79240		Benj. Hovaghin et al.	5 90
79241		Charles V. Sutton	644 86
79242		Val C. Cleary et al.	4 45
79243		Alcina Rihloff	23 87
79244		George L. Titus	13 65
79288		George H. Parshall	550 00
79289		Dald Realty Co.	60 00
78941		Bank of New York, N. B. A.	41,635 97
78942		National City Bank of N. Y.	394,914 37
78943		Citizens Central Nat'l Bank	28,966 21
78944		Edwin H. West	111 58
78945		Wm. G. Quigley et al.	130 00
78946		Terence Forrest et al.	305 00
78947		Elizabeth Jacobson	65 00
78948		Elizabeth Jacobson	65 00
78949		Elizabeth Jacobson	65 00
78950		Elizabeth Jacobson	65 00
78951		Elizabeth Jacobson	65 00
78952		Andreu G. Gulleksen	195 00
78953		Mathilda Gulleksen	65 00
78954		Reinhard Hohaus	100 00
78955		Reinhard Hohaus	85 00
78956		Clarence S. Houghton as Trustee for Chas. Ironson, Bankrupt	25 00
78957		Theodore C. Whink	25 00
78958		Theo. C. Whink et al.	25 00
78959		Geo. W. Nostrand	125 00
78960		Morris L. Kramer	175 00
78961		Mary F. Cosgrave	100 00
78962		Mary Dobrycka	125 00
78963		Virginia M. Allegretti	75 00
78964		Charles Montesani et al.	75 00
78965		Julia Kratky	75 00
78966		Fredk. Sobel et al.	125 00
78967		S. Clark Williams	125 00
78968		Martha Halliday	200 00
78969		Max Greenfield	50 00
78970		Gregory I. Leahy	50 00
78971		Gregory I. Leahy	175 00
78972		Gregory I. Leahy	320 00
78973		Sarah Steinberg	475 00
78974		Charles R. Macaulay	105 00
78975		Lucy J. Watt	90 00
78976		Julia Wager	90 00
78977		Margaret Sadlier, as Administratrix, etc.	90 00
78978		Cornelius Powers et al.	85 00
78979		Christopher Lenz et al.	130 00
78980		John Mikrut	85 00
78981		Samuel Ulmer	105 00
78982		Mary J. Doty	300 00
78983		John J. Hamilton	200 00
78984		Maria Havens	500 00
79401	6-12-15	Addressograph Co.	203 68
79402		Kanouse Mt. Water Co.	9 90
79403	6-11-15	A. B. Dick Co.	2 75
79404	5-31-15	F. M. Schildwachter	4 00
79405		Kanouse Mt. Water Co.	4 80
79406	6- 1-15	Nickel Towel Supply Co.	5 12
79407	6- 9-15	Boston Specialty Co.	4 00
79408	6- 2-15	Library Bureau	4 00
79409	6- 4-15	John J. Whelan	42 00
79410		Percy S. Barrett	22 40
79411		B. M. Thoens	86 73
79412		Walter Latzer	21 75
		Walter Latzer	91
		Walter Latzer	66 95
79586		Wm. A. Prendergast	868 48
79587		Wm. A. Prendergast	400 00
79588		Brooklyn Childrens Aid Society	291 66
79589		Brooklyn Society for the Prevention of Cruelty to Children	2,500 00
79590		Columbus Hospital	784 45
79591		Jewish Maternity Hospital.	1,162 50
79592		Mission of the Immaculate Virgin for the Protection of Homeless and Destitute Children	17,239 89
79593		N. Y. Catholic Protectory	32,402 56
79594		N. Y. Foundling Hospital	1,370 00
79595		Norwegian Lutheran Deaconess Home and Hospital.	689 54
79596		N. Y. Society for the Prevention of Cruelty to Children	7,083 33
79597		Roman Catholic Orphan Asylum, St. Josephs Female Orphan Asylum and St. Johns Home	4,962 50
79598		Richmond County Society for the Prevention of Cruelty to Children	166 66
79599		St. John Guild	1,875 00
79600		Sanitarium for Hebrew Children	625 00
79601		St. Michaels Home	4,954 02
79602		St. Malachys Home	10,376 35
79603		Seaside Home for Crippled Children	208 33
79604		Seton Hospital, New York City	12,041 20
79605		St. Vincents Hospital, Richmond	2,493 13
79606		The Mount Siani Hospital of the City of New York	85 80
79607		The Mount Sinai Hospital of the City of New York	5,679 46
79608		The Mount Siani Hospital of the City of New York	4,924 91
79609		The Mount Siani Hospital of the City of New York	72 20
79634		Collector of Assessments and Arrears	97 83
79635		Nicolina Bioquadio, General Guardian, Est. Ermelina Cellello et al	389 89
79636		Nicolina Bioquadio, General Guardian Est. Ermelina Cellello et al	389 88
79637		Nicolina Bioquadio, General Guardian Est. Ermelina Cellello et al	389 88
79638		Nicolina Bioquadio, General Guardian Est. Ermelina Cellelol et al	389 88
79639		Lawrence E. French	111 44
79640		Nicolina Bioquadio	460 00
		Fire Department.	
79834		The Citizens Water Supply Co. of Newtown	$154 33
		Department of Health.	
79833		J. J. Crane	$500 00
		Department of Licenses.	
79245		George H. Bell	$154 76
79246		George H. Bell	21 00
79247	5-13-15	The Banks Law Pub. Co.	8 10
79248	6- 2-15	Easpario Maro	3 60
79249	6- 1-15	The Peerless Towel Supply Co.	1 90
79250	5-31-15	H. Aronson	10 21
79251	5-31-15	The Mutual Window Cleaning Co.	5 00
79252	6- 1-15	Eagle Garage	24 76
79253	6- 1-15	The Crescent Towel Sup. Co.	2 00
79254	5-20-15	Chas. E. Miller	17 62
79255	6- 2-15	John Ferretti	9 10
79256	6- 5-15	Wm. Hotchkiss	8 00
79257	5-31-15	Municipal Garage	16 16
79258	5-26-15	Yawman & Erbe Mfg. Co.	3 75
79259		The Roberts Numbering Machine Co.	5 35
79260	5-26-15	Commercial Envelope & Box Co.	35 84
79261	6- 9-15	Theo. Moss & Co.	45 00
79262	6- 7-15	Clarence S. Nathan, Inc.	6 50
		The Mayoralty.	
79300		The Briarcliff Lodge Assn.	$1 80
79301		The Lily Cup Co.	7 00
79302		S. W. Reese & Co.	1 55
79303		Katherine Hallein	30 06
		Department of Parks, Boroughs of Manhattan and Richmond.	
79290		Peters & Heins	$7 25
79291		Joseph E. Savage	91 88
79292	5- 3-15	Jos. E. Savage	132 03
79293	5-31-15	Howard Mansfield	10,606 30
69294	5-26-15	Percy R. Pyne	1,332 06
69295	6- 4-15	Charles Lanier	151 06
69296	5-31-15	Howard Mansfield	405 90
69297		James L. Stewart	50 00
69298	5-18-15	John Smith Plumbing Co.	25 00
69299		C. A. Crane	25 00
79308	5- 5-15	The Obeliske Waterproofing Co.	850 00
79309	6- 1-15	United Market & Grocery Co.	23 25
79310	6-12-15	Louis Ruhe	8 40
79311	4-30-15	A. B. Dick Co.	3 25
79312	5-25-15	The Harral Soap Co.	3 50
79313	5-24-15	A. P. W. Paper Co.	8 75
79314	5-15-15	Library Bureau	1 53
79315	5-25-15	Tower Bros. Staty. Co.	1 75
79316	5-17-15	Pure Oil Co.	59 40
79317	5-17-15	Puritan Soap Co.	6 00
79318	4-30-15	Stumpp & Walter Co.	123 00
79319	5-28-15	The Palisades Nurseries	27 30
79320	5-17-15	Bobbink & Atkins	300 00
79321	4-21-15	Weeber & Don	22 40
79322	5-28-15	Eugene Dietzgen & Co.	42 29
79323	5-29-15	Pure Oil Co.	59 40
79324	5-28-15	Keystone Lubricating Co.	157 00
79325	5- 5-15	Munson Supply Co.	6 30
79326	6- 5-15	Schoverling, Daly & Gales	243 12
79327	5-18-15	Hammacher-Schlemmer Co.	11 00
79328	3-31-15	American Saw Mill Machinery Co.	9 06
79329	4-15-15	K. S. Woodhouse Co.	6 72
79330	5-24-15	Manhattan Hardware & Bicycle Co.	26 25
79331	5-13-15	John Boyle & Co., Inc.	5 75
79332	4-17-15	The J. L. Mott Iron Works	18 00
79333	4-29-15	Stanley & Patterson	19 13
79334	6- 5-15	Kalt Lumber Co.	172 00
79335	5-22-15	Thomas C. Dunham	20 40
79336	5-21-15	Dickerson Van Dusen & Co.	9 15

Finance Voucher No.	Invoice Date or Contract Number.	Name of Payee.	Amount.
79337	4-16-15	Manhattan Hardware & Bicycle Co.	15 00
79338	6- 5-15	John Viviano	93 00
79339	5- 1-15	Thomas J. Fenley	30 00
79340	5-31-15	Welsbach Gas Lamp Co.	4 05
79341	5-27-15	Reliable Electro Plating Works	194 60
		Department of Parks, Borough of The Bronx.	
79509		Thomas W. Whittle	$100 00
		President of the Borough of Manhattan.	
79414	5- 4-15	Francis M. A. Leach	$196 23
79415	5-26-15	American Writing Machine Co., Inc.	2 30
79416		N. Y. Blue Print Paper Co.	8 20
79417	5-27-15	Eimer & Amend	10 17
79418	5-29-15	Indian Refining Co. of N. Y. Inc.	3 48
79419	5-24-15	International Time Recording Co.	3 00
79420	5-17-15	Mo[redacted]ry & Co., Inc.	8 64
79421	5-24-15	John Wanamaker	20 75
79422	5-20-15	Art Metal Construction Co., Inc.	36 00
79423	5-24-15	Tower Mfg. & Nov. Co.	3 75
79424	5-22-15	Froment & Co.	5 32
79425	5-26-15	S. F. Hayward & Co.	6 00
79426	5-22-15	Library Bureau	22 87
79427	5-29-15	A. F. Brombacher & Co.	1 50
79428	5-11-15	J. P. Duffy Co.	19 95
79429	5-31-15	F. W. De Voe & C. T. Raynolds Co.	8 17
79430	5-21-15	John A. McCarthy	3 00
79431	5- 6-15	John Simmons Co.	29 88
79432	5-18-15	Nason Mfg. Co.	12 77
79433	5-26-15	Coronum Equipment Co., Inc.	14 80
79434	5-24-15	Abeel Brothers	5 86
79435	6- 1-15	Charles H. Lawrence	2 00
79436	5-25-15	Gas Engine & Power Co. & Charles L. Seabury & Co.	5 00
79437	5-27-15	Otis Elevator Co.	44 38
79438	6- 1-15	John McCarten's Sons	70 20
79441	5-21-15	C. H. Koster Co.	40 00
79442	5-10-15	James Curran Mfg. Co.	149 00
79443	4-13-15	M. B. Brown P. & B. Co.	330 10
79444	4-22-15	J. W. Pratt Co.	317 37
79445	5- 3-15	Brooklyn Daily Eagle	6 40
79446	5-14-15	Otis Elevator Co.	21 60
79447	6- 7-15	Robert S. Pollock	2,818 55
79448	4-12-15	U. S. Wood, Pres. Co.	37 27
79449	5-12-15	W. J. Fitzgerald	78 75
79450	5-19-15	W. J. Fitzgerald	75 00
79451	3- 1-15	Harlem Contr. Co.	30 99
79452	4- 1-15	Harlem Contr. Co.	195 83
79453	4-20-15	Republic Contr. Co.	8 91
79454	3-17-15	Rafferty Contr. Co.	18 00
79455	4- 1-15	The Sicilian Asph. Pvg. Co.	108 00
79456	5-17-15	Eastern Paving Co.	3 00
79457	4- 9-15	U. S. Wood Pres. Co.	8 98
79458		Edward J. Belford et al.	29 51
79459		Morris Jacob et al.	18 00
79460		Wm. Y. Jack et al.	402 77
79461		Jacob Levi et al.	35 20
79462		Matthew F. Donohue et al.	129 17
79463		Henry H. Lloyd	38 85
79464		Wm. A. Prendergast	2,270 20
		President of the Borough of Brooklyn.	
79893	38818	John P. Kane Co.	$523 10
79894	42244	B. Picone & Son	225 00
79895	33951	J. F. Cogan Co.	17,878 05
		President, Borough of Queens.	
79413	41960	Wm. C. Card	$1,334 80
79884	40313	Coleman King	2,790 55
79885	41839	Harry Britton	3,581 05
79886		Wm. J. Murray	2 50
79887		Fred B. George	5 30
79888		Leon M. Schoonmaker	38 91
79889		Thos. F. Ward	33 72
79890		Wm. A. Prendergast	51 36
79891		Wm. A. Prendergast	61 00
79892	41959	N. Y Trap Rock Co.	9,615 81
		Public Service Commission.	
79264	31548	Oscar Daniels Co.	$8,702 50
79265	31628	McMullen, Snare & Triest, Inc.	49,957 20
79266	34476	Arthur McMullen & Hoff Co.	85,620 60
79267	34744	Richard Carvel Co., Inc.	81,776 84
79268	40315	Cranford Co.	21,099 39
79269	40315	Cranford Co.	21,099 38
79270	39492	Cranford Co.	49,404 25
79271	39492	Cranford Co.	24,702 12
79272	40886	Fredk. L. Cranford, Inc.	14,527 35
79273	40976	Smith, Hauser & MacIsaac, Inc.	54,066 03
79274	38423	The Degnon Cont. Co.	7 51
79275	38427	Rodgers & Hagerty, Inc.	5,866 34
79276	34923	Fredk. L. Cranford, Inc.	19,395 98
79277	37597	Dock Cont. Co.	48,735 93
79278	40386	The Degnon Cont. Co.	13,495 82
79279	40318	The Underpinning & Foundation Co.	53,008 38
79280	31548	Oscar Daniels	6,860 65
79281	37288	E. E. Smith Cont. Co.	38,246 79
79282	34477	O'Rourke Engineering Const. Co.	4,098 06
79283	40105	Rapid Transit Subway Const. Co.	3,285 40
79284	40466	Rapid Transit Subway Const. Co.	12,006 80
79285	39001	Degnon Cont. Co.	5,232 26
79286	38422	Degnon Cont. Co.	3,371 93
79287	39323	United States Realty & Imp. Co.	1,784 49
		Department of Public Charities.	
79510	1-12-15	Hull, Grippen & Co.	47 75
79511	5-22-15	Clement Restein Co.	32 85
79512	4- 9-15	Lowe Motor Supplies Co.	70 90
79513	5-27-15	Westchester Fish Co.	21 88
79514	4-30-15	Rebecka Melicow	19 60
79515	5-22-15	J. M. Horton Ice Cream Co.	6 50
79516	5-27-15	Henry Ebinghausen	19 01
79517	5-28-15	Jacob Boss	12 86
79518	6- 1-15	H. Kohstamm & Co.	9 00
79519	5-21-15	M. Meyers, Inc.	89 77
79520	5-24-15	Geo. W. Millar & Co.	1 35
79521	6- 4-15	Eugene Dietzgen & Co.	21 90
79522	5-26-15	Clark & Gibby, Inc.	1 92
79523	6- 1-15	John Boyle & Co., Inc.	40 00
79524	2-27-15	The Tabulating Machine Co.	188 62
79525	5-25-15	Scofield & Co., Inc.	6 25
79526	3-18-15	Bramhall Deane Co.	30 00
79527	5-25-15	Bloomingdale Bros.	23 58
79528	5-26-15	A. & W., Sing Sing	100 00
79529	5-21-15	E. T. Joyce	19 70
79530	5-22-15	Manhattan Hardware & Bicycle Co.	16 56
79531	5-22-15	The Manhattan Supply Co.	1 45
79532	5-22-15	Pittsburgh Plate Glass Co.	2 80
79533	5-25-15	Otis Elevator Co.	60
79534	5-29-15	Wm. H. Schmall	1 20
79535	1-31-15	Municipal Garage	119 72
79536	4-26-15	Hudson Auto Lamp Works	5 00
79537	2-15-15	Interborough Auto Repair & Supply Co.	8 00
79538		Apeda Studio	8 00
79539	3-27-15	Ashland Mfg. Co.	316 50
79540	5-29-15	Wm. H. Schmall	3 60
79541	5-13-15	A. D. Morris & Co.	59 44
79542	5- 5-15	Foster-Scott Ice Co.	285 44
79543	5- 7-15	Henry Allen	23 68
79896		Hull, Grippen & Co.	149 81
79544	4-31-15	R. F. Stevens Co.	3 70
79545	4-10-15	Nathan Strauss	320 17
79546	5-25-15	Westchester Fish Co.	83 61
79547	5-20-15	Blackfords, Inc.	18 69
79548	5-24-15	Armour & Co.	39 52
79549	2-28-15	Armour & Co.	110 25
79550	3- 7-15	Francis H. Leggett & Co.	74 48
79551	4-27-15	Thomas Stokes & Son	16 80
79552	6- 1-15	Frank J. Murphy Co.	428 04
79553	5-24-15	A. Goldstein & Co.	20 76
79554	5-19-15	C. H. T. Jurgens	30 51
79555	4- 2-15	Conron Bros. Co.	90 72
79556	4-30-15	Samuel E. Hunter	49 54
79557	4-29-15	Henry Ebbinghausen	17 85
79558	3-31-15	Egler's Mt. Vernon Bakery.	26 30
79559	3-12-15	Lewis DeGrorf & Son	5 44
79560	3-30-15	Jacob Boss	8 37
79561	1-14-15	Horace Ingersoll Co.	90 00
79562	1-11-15	John E. Donovan	152 06
79563	5-28-15	A. B. Dick Co.	14 80
79564	6- 2-15	Library Bureau	6 00
79565	4-13-15	Johnson & Johnson	1 20
79566	5- -15	Sulzberger & Sons Co.	9 18
79567		The Holbrook Mfg. Co.	22 40
79568	3-30-15	Foster-Scott Ice Co.	4 53
79569	4-30-15	Patrick Brady	175 66
79570	12-11-14	L. Barth & Sons	22 00
79571	5- 6-15	S. D. Woodruff & Sons	182 50
79572	1-21-15	The White Co.	41 74
79573	4-30-15	Peter Henderson & Co.	5 30
79574	5- 6-15	Valentine & Co.	23 80
79575	5-26-15	Nanz Clock Co.	1 50
79576	5-19-15	Columbia Paper Co.	25 00
79577	5-21-15	Robert Ferguson	4 98
79578	5- 3-15	The Texas Co.	40 00
79579	5-19-15	Ludwig Littauer	6 60
79580	5-17-15	Abbott Mfg. Co.	1 80
79581		Combination Rubber Mfg. Co.	45 64
79582	5-26-15	Louis Dejonge & Co.	37 00
79583		N. Y. Calcium Light Co.	11 10
79584	5-10-15	F. A. Walter	14 00
79585	12-23-14	John Wanamaker	9 23
79382	5-28-15	Wm. J. Olvany	20 00
79383	11-21-14	Geo. Damon & Sons	6 36
79384	12-23-14	Butler Bros.	59 59
79385	12-28-14	Meyer-Denker-Sinram Co.	970 00
79386	4- 8-15	A. & W., Dannemora	484 85
79387	10- 1-14	Underwood Typewriter Co., Inc.	10 00
79388	4- 7-15	Paul Schaad	41 47
79389	5-19-15	Singer Sewing Machine Co.	90 00
79390	5-24-15	Tower Mfg. & Nov. Co.	6 00
79391	5-12-15	D. B. Pershall & Son	16 00
79392		M. Meyers, Inc.	6 75
79393	5- 8-15	Blomingdale Bros.	54
79394	4-26-15	Agent and Warden, Auburn Prison	250 90
79395	5- 1-15	Agent and Warden, Sing Sing Prison	54 20
79396	5-24-15	E. T. Joyce	210 00
79397	3-31-15	Hull, Grippen & Co.	141 33
79398	5-26-15	Jas. S. Barron & Co.	6 90
79399	5-19-15	Henry Kelly & Sons	31 95
79400		T. J. Taylor Milk Co.	52 34
79465	5-15-15	Library Bureau	5 00
79466		The N. Y. Federation of Churches	30 00
79467	3-11-15	James M. Shaw & Co.	81 31
79468	5- 3-15	The Kny, Scheerer & Co.	415 00
79469	5-21-15	J. B. Greenhut Co.	120 49
79470	1- 8-15	Dept. of Correction	90 00
79471	3- 1-15	Bruml's Specialty Shop	143 75
79472	5- 5-15	J. B. Greenhut Co.	43 74
79473	5-10-15	William R. Thompson	98 42
79474	4-29-15	Peter J. Constant	95 00
79475	4-13-15	Bloomingdale Bros.	310 80
79476	5- 3-15	A. G. Spalding & Bros.	55 75
79477	2-10-15	The J. L. Mott Iron Works	627 00
79478	4- 1-15	Samuel Lewis	5 55
79479	5-18-15	Annin & Co.	1 44
79480	2-11-15	G. B. Raymond & Co.	988 49
79481	4-15-15	Alfred Chatwin Supply Co.	47 91
79482	5-19-15	Bramhall, Deane Co.	2 46
79483	5-18-15	Bruce & Cook	3 83
79484	5-26-15	Colonial Works, Inc.	20 41
79485	5- 8-15	The Fairbanks Co.	1 68
79486	4-23-15	C. H. & E. S. Goldberg	3 80
79487	4-23-15	Hoopes & Shipman	20 63
79488	5- 7-15	Hammacher & Schlemmer & Co.	6 38
79489	5-29-15	J. D. Johnson Co.	2 00
79490	5-12-15	Chilton Paint Co.	3 57
79491	5- 8-15	E. B. Latham & Co.	110 28
79492	4-27-15	The American Laundry Machinery Co.	69 00
79493	5- 4-15	Walter J. Buzzini	4 90
79494	5- 1-15	Manhattan Hardware Co.	6 12
79495	4- 9-15	Nason Mfg. Co.	29 77
79496	5-24-15	W. R. Ostrander & Co.	43 75
79497	5-17-15	Troy Laundry Machinery Co., Ltd.	3 25
79498	5-26-15	Sibley, Pitman Electric Corp.	33 00
79499	4-22-15	Reedy Elevator Co.	1 00
79500	5-14-15	Henry R. Worthington	1 50
79501	5-22-15	J. J. Snyder & Son	2 00
79502	4-30-15	William H. Schmall	15 00
79503	4-14-15	Thompson, Bonney Co.	12 50
79504	5-18-15	Laurence J. Rice	394 00
79505	6- 1-15	Neptune B. Smyth, Inc.	893 00
79506	5-19-15	General Electric Co.	32 00
79507	4- 1-15	Valentine Goetz	1 75
79508	5- 7-15	Charles Feth	24 00
		Commissioner of Records, New York County.	
79641		Thos. Garnar & Co.	$576 44
79642		Direct Line Telephone Co.	16 00
		Sheriff, Kings County.	
78917	5-31-15	Peerless Towel Supply Co.	$3 70
78918	5-27-15	Lewis M. Swasey	20 00
78919	5-13-15	Otto Muhlbauer & Co.	36 41
		Sheriff, Queens County.	
79835	5-29-15	Great Bear Spring Co.	$2 70
		Department of Street Cleaning.	
79687	5-19-15	The Gilette Clipping Machine Co	$25 05
79688	4-30-15	Municipal Garage	20 00
79689	4-30-15	New York Contracting & Trucking Co.	900 00
79690	3-16-15	Foy Bros.	36 80
79691	5-24-15	The Terry & Tench Co., Inc.	194 00
79730	5-19-15	A. B. Dick Co.	76 25
79731	4-30-15	Thomas Lenane	193 87
79732	4-24-15	Frank J. Lennon Co.	117 75
79733	5-27-15	Olin J. Stephens	17 22
79734	4- 3-15	Great Bear Spring Co.	3 00
79735	11- 6-14	Kanouse Mt. Water Co.	1 80
79736	12-24-14	E. G. Soltmann	6 50
79727	2-18-15	Tower Mfg. & Nov. Co.	99 00
79738	5- 5-15	The Pigot Sayre Co.	198 00
79739	5-12-15	The U. S. Graphite Co.	58 44
79740	5- 8-15	National Sponge & Chamois Co.	33 00
79741	3-18-15	Cyrus, Rheims & Co.	2,765 00
79742	5-10-15	A. G. Spalding & Bros.	291 75
79743	5- 8-15	Fellsen Tire Co.	119 39
79744	5- 8-15	Chas. Beseler Co.	30
79745	2- 8-15	Dept. of Correction	1,200 00
79746	5-26-15	Arthur Delapierre	45 15
79747	5-13-15	Wm. Dengler	15 01
79748	5-15-15	Diamond Machine Co.	6 38
79749	5-18-15	N. Y. Sporting Goods Co.	8 00
79750	4-30-15	A. F. Brombacher & Co.	3 00
79751	5-17-15	Gillette Clipping Machine Co	67 50
79752	3- 8-15	Dept. of Correction	140 00
79753	5-22-15	Brooklyn Lumber Co.	756 00
79754	3-20-15	Froment & Co.	5 37
79755	5-10-15	Arthur C. Jacobson Sons	116 33
79756	4-29-15	Arthur C. Jacobson Sons	508 80
79757	5-11-15	Ford Motor Co.	5 16
79758	5- 7-15	Knox Motors Co.	2 40
79759	-18-15	Knox Motors Co.	13 95
79760	3-15-15	N. Y. Sporting Goods Co.	1 68
79761	4-21-15	Fairbanks, Morse & Co.	70 10
79762	5-20-15	Knickerbocker Supply Co.	994 20
79763	3-12-15	Ogden & Wallace	3 09
79764	5-12-15	Jas. Tregarthen, Son & Co.	40 00
79765	3-13-15	The Self-winding Clock Co.	2 50
79766	5- 1-15	P. T. Dunn	25 00
79767	5- 3-15	Fellsen Tire Co.	9 00
79768	5- 6-15	H. Nalick	3 28
79769	5-25-15	Detroit Cadillac Motor Car Co.	280 08
		Board of Water Supply.	
79645		Engineering Record	$8 53
79646		Catskill Mt. Tel. Co.	6 40
79647		N. Y. Tel. Co.	2 53
79649	25609	Keystone State Const. Co.	21,714 12
79650	25419	Jules Breuchaud	11,234 70
79651	39596	Beaver Engineering & Cont. Co.	8,710 20
79692	5-14-15	New York & New England Coal Co.	160 94
79693		The Columbia Towel Supply Co.	3 50
79694	5-20-15	Deboise Bresnan Co., Inc.	11 52
79695	5-20-15	C. Deutermann & Son	2 00
79696	5-20-15	Eugene Deitzgen Co.	46 93
79697	5-24-15	George Douglass	3 38
79698	5-26-15	The Fairbanks Co.	3 00
79699	6- 1-15	M. Gogarty	38 55
79700	6- 1-15	Honk Falls Power Co.	2 85
79701	6- 1-15	George E. Johnston	28 79
79702	5- 6-15	Kanouse Mountain Water Co., Inc.	4 50
79703		Knickerbocker Ice Co.	1 32
79704	5-31-15	Knickerbocker Towel Supply Co.	13 90
79705	5-27-15	Kolesch & Co.	64 08
79706	5-26-15	The Locomobile Co. of America	4 75
79707	5- 1-15	N. Y. Blue Print Paper Co.	102 89
79708	6- 2-15	Northern Westchester Lighting Co.	3 90
79709	5-27-15	Thompson & Gentleman	67 25
79710	5-20-15	Tucker Tool & Machine Co.	9 00
79711	5-26-15	Robt. A. Welcke	20 00
79712	5-24-15	Western Electric Co.	10 99
79713	4-16-15	Canfield Supply Co.	22 19
79714	5-10-15	Mekeel & Jaycox	16 25

Finance Voucher No.	Invoice or Contract Date	Name of Payee.	Amount.
79715	5-19-15	Orawaupum Tire & Repair Co., Inc.	11 70
79716	4-22-15	W. & B. Douglas	2 53
79717	5-25-15	Manhattan Electrical Supply Co.	4 73
79718	5-22-15	William F. Wies	12 04
		Department of Water Supply, Gas and Electricity.	
79680	41094	The Oil Marketing Co.	86 09
79681	41930	Welsbach Street Ltg. Co.	14,433 01
79682	41608	National Gas Gov. Co.	62 45
79683	41810	Central Foundry Co.	953 74
79684	41158	New York & Queens Electric Light & Power Co.	1,748 67
79685	5158	New York & Queens Electric Light & Power Co.	562 45
79686	41543	Standard Oil Co.	278 10
		Standard Oil Co.	83 68
79839		N. Y. & Queens Gas Co.	433 80
79840		Benjamin Electric Mfg. Co.	124 27
79841		Benjamin Electric Mfg. Co.	113 01

DEPARTMENT OF FINANCE.

Office of the City Chamberlain, New York, June 3, 1915.

Hon. JOHN PURROY MITCHEL, *Mayor:*

Sir—In pursuance of section 196, chapter 466 of the Laws of 1901, I have the honor to present herewith a report to May 22, 1915, of all moneys received by me, and the amount of all warrants paid by me since May 15, 1915, and the amount remaining to the credit of the City on May 22, 1915. Very respectfully,

HENRY BRUERE, Chamberlain.

The City of New York, in Account with Henry Bruere, Chamberlain, During the Week Ending May 22nd, 1915.

CITY TREASURY.

May 15th, 1915, Balance $12,311,726 14

May 22nd, 1915, Credit.

Receiver of Taxes.

Taxes, Manhattan	$3,144,470 82	
Taxes, Bronx	575,567 91	
Taxes, Brooklyn	1,463,006 62	
Taxes, Queens	415,507 87	
Taxes, Richmond	96,573 78	
		$5,695,127 00
Water Meter Fund No. 2, Manhattan		$39 39
Water Meter Fund No. 2, Bronx		22 53
Water Meter Fund, Brooklyn		75 12
Ar. Water Rents, Brooklyn		7,171 69
Ar. Water Rents, Queens		406 77

Collector of Assessments and Arrears.

Ar. Taxes, 1899, Etc., Manhattan	$2,063,736 50	
Ar. Taxes, 1899, Etc., Bronx	300,582 10	
Ar. Taxes, 1899, Etc., Brooklyn	127,216 51	
Ar. Taxes, 1899, Etc., Queens	229,406 68	
Ar. Taxes, 1899, Etc., Richmond	7,402 18	
		2,718,343 97
St. Impt. Fund, Jan. 1, 1898, Manhattan	$12,079 13	
St. Impt. Fund, Jan. 1898, Bronx	23,339 26	
St. Impt. Fund, Jan. 1, 1898, Brooklyn	41,856 50	
St. Impt. Fund, Jan. 1, 1898, Queens	20,966 94	
St. Impt. Fund, Jan. 1, 1898, Richmond	1,334 32	
		99,576 64
Fd. for St. and Park Openings, Manhattan	$637 33	
Fd. for St. and Park Openings, Bronx	45,563 21	
Fd. for St. and Park Openings, Brooklyn	5,364 40	
Fd. for St. and Park Openings, Queens	5,407 88	
Fd. for St. and Park Openings, Richmond	100 33	
		57,073 15
Receipts and Expenses of Tax Sales, Man	$87 00	
Receipts and Expenses of Tax Sales, Bronx	6 00	
Receipts and Expenses of Tax Sales, Bkn	188 75	
Receipts and Expenses of Tax Sales, Qns	13 50	
		295 25
Water Meter Fund No. 2, Manhattan		33 50
Restoring Pavements, Manhattan		63 90
Int. Restoring Pavements, Manhattan		2 46
W'msbridge Sewer Fund, Bronx		11 74
Ar. Taxes, 1897, Etc., Brooklyn		51 01
Prin. and Int. 26th Wd. Bonds, Brooklyn		2,781 54
Sewer Assts., 29th Wd., Inst., Brooklyn		5 67
Opening, Etc., Assts., 31st Wd., Inst., Brooklyn		1,147 45
Flatbush Ave. Impt., 29th Wd., Brooklyn		321 55
Opening, Etc., Bedford Ave., Brooklyn		417 57
8th Wd. Impt. Fund, Inst., Assts., Brooklyn		1 19
Local Impt., Late Town New Utrecht, Brooklyn		195 31
Ar. Water Rents, Brooklyn		3,979 76
Int. Water Rents, Brooklyn		535 59
Ar. Taxes, 1897, Etc., Queens		344 82
General Impt. Commn., Inst., Queens		225 64
Asst. Local Impt., Various Villages, Queens		9 79
Long Is. City, Water Rents, Queens		317 11
Long Is. City, Int. Water Rents, Queens		90 80
Vill. Coll. Pt., Water Rents, Queens		3 34
Vill. Coll. Pt., Int. Water Rents, Queens		22
Vill. Flushing, Water Rents, Queens		1 94
Vill. Flushing, Int. Water Rents, Queens		45
Vill. Whitestone, Water Rents, Queens		17 49
Vill. Whitestone, Int. Water Rents, Queens		2 87
Vill. Bayside, Water Rents, Queens		40 81
Vill. Bayside, Int. Water Rents, Queens		4 70
Int. Asst. Local Impt., Various Villages, Queens		4 21
Ar. Taxes, 1897, Etc., Richmond		1 74
Brooklyn Bridge Revenue, 1915—Commr. of Bridges		10,673 01
Williamsburgh Bridge Revenue, 1915—Commr. of Bridges		3,938 55
Water Meter Fund No. 2, Man.—Commr. of W. S., G. and E.		12 68
Water Meter Fund, Brooklyn—Commr. of W. S., G. and E.		17 04
Water Revenue, Brooklyn—Commr. of W. S., G. and E.		453 85
Water Rents, Brooklyn—Commr. of W. S., G. and E.		37,976 80
Water Rents, Queens—Commr. of W. S., G. and E.		5,407 60
Reimbursement by Railway Companies for Repaving Streets Between Tracks—Pres., Bor. Manhattan		9,817 14
Dept. Correction, City Prisons, Etc.—Coll. City Revenue		146 26
Sales of City Property—Coll. City Revenue		1,575 00
CCM 3, New Water Supply of The City of New York—City Paymaster		106 83
Unclaimed Salaries and Wages—City Paymaster		615 68
Dept. St. Cleaning Pension Fd.—Commr. of Street Cleaning		807 09
Cons. Private Sewers, Brookyn—Pres., Bor. Brooklyn		350 00
Cons. Private Sewers, Queens—Pres., Bor. Queens		475 00
Forfeited Recognizances, N. Y. Co.—District Atty., N. Y. Co		2,550 00
Forfeited Recognizances, N. Y. Co.—Chamberlain		25 00
Forfeited Recognizances, Bronx Co.—District Atty., Bx. Co		250 00
Antitoxin Fund—Compr.		137 40
Restoring and Repaving, Manhattan—Compr	$36 05	
Restoring and Repaving, Manhattan—P. B. Man	5,128 74	
		5,164 79
Restoring and Repaving, Bronx—P. B. Bronx		558 73
Restoring and Repaving, Brooklyn—P. B. Bkn	$7,104 02	
Restoring and Repaving, Brooklyn—Compr	59 25	
		7,163 27
Restoring and Repaving, Queens—P. B. Queens		1,430 50
Restoring and Repaving, Richmond—P. B. Rich		218 73
Excise Taxes, Richmond County—Commr. Excise		536 25
Municipal Garage, RDB 2—Commr. Bridges		72 06
Dept. W. S., G. and E., RDW 17A—Commr. W. S., G. and E.		3 00
Pro. Sale Corp. Stock Notes, Cons. Rapid Transit Railroad, 4 Per Cent.—Commrs. of Sinking Fund		1,500,000 00

APPROPRIATION ACCOUNTS, 1914.

Dept. Education, 850—Auditor, Bd. Educ	6 48

APPROPRIATION ACCOUNTS, 1915.

Dept. Correction, 2629—City Paymaster	16 67
Dept. Education, 850—Auditor, Bd. Educ	10 92
Dept. Health, 1822—City Paymaster	7 42
Dept. Health, 1823—City Paymaster	34 05
Dept. Health, 1824—City Paymaster	10 16
Dept. Health, 1825—City Paymaster	28 83
Dept. Health, 1826—City Paymaster	1 77
Dept. Health, 1828—City Paymaster	22 46
Dept. Health, 1829—City Paymaster	5 81
Dept. Street Cleaning—Commr. St. Cleaning	79 18
Dept. W. S., G. and E.—City Paymaster	37 50
Fire Dept., 1655—City Paymaster	11 51
Pres., Bor. Brooklyn, 576—Pres., Bor. Bkn	8 38
Pres., Bor. Brooklyn, 599—Pres., Bor. Bkn	62
Pres., Bor. Brooklyn, 605—Pres., Bor. Bkn	2 44

GENERAL FUND.

Receiver of Taxes.

Ar. Water Rents, Queens		$98 17
Ar. Water Rents, Richmond		353 61
Pipe Fittings and Meter Glass, Man		1 00
Pipe Fittings and Meter Glass, Bronx		20

Collector of Assessments and Arrears.

Int. Ar. Taxes, 1899, Etc., Man	$404,885 70	
Int. Ar. Taxes, 1899, Etc., Bronx	52,219 92	
Int. Ar. Taxes, 1899, Etc., Bkn	12,436 18	
Int. Ar. Taxes, 1899, Etc., Qns	37,286 42	
Int. Ar. Taxes, 1899, Etc., Rich	700 67	
		507,528 89

	Cr.	
Int. Assts. St. Impt. Fd., Man	$107 27	
Int. Assts. St. Impt. Fd., Bronx	1,451 87	
Int. Assts. St. Impt. Fd., Bkn	4,968 12	
Int. Assts. St. Impt. Fd., Qns	1,833 85	
Int. Assts. St. Impt. Fd., Rich	365 58	
		8,726 69
Int. Assts. St. and Pk. Opgs., Man	$169 58	
Int. Assts. St. and Pk. Opgs., Bx	750 76	
Int. Assts. St. and Park Opgs., Bkn	303 67	
Int. Assts. St. and Pk. Opgs., Qns	481 39	
Int. Assts. St. and Pk. Opgs., Rich	13 32	
		1,718 72
Int. Water Meter Fd. No. 2, Man		2 45
Fees for Searches, Manhattan		7 80
Subpoenas, Fees, Manhattan		1 00
Subpoenas, Fees, Bronx		1 00
Towns of Westchester, Taxes		14 95
Towns of Westchester, Int. Taxes		21 99
Int. Ar. Taxes, 1897, Etc., Brooklyn		69 60
Int., Prin. and Int. 26th Wd. Bds., Brooklyn		21 31
Int. on Assessments, Brooklyn		98 47
Int. on Opening, Etc., Bedford Ave		33 82
Int. on Assessments, Bor. Brooklyn		34 55
Int. on General Impt. Commn., Inst., Qns		40 71
Int. Ar. Taxes, 1897, Etc., Queens		562 51
Vill. Flushing, Water Rents, Queens		112 13
Vill. Flushing, Int. Water Rents, Queens		20 45
City Record, Sales of		716 07
Dept. Bridges		110 00
Dept. Education		235 16
Dept. Finance		1,975 89
Dept. Finance—Coll. City Revenue		4,792 82
Police Dept.		212 50
Dept. Licenses, 57th St. Branch		151 00
Dept. Licenses, Manhattan and Bronx		5,381 25
Dept. Licenses, Brooklyn		1,193 00
Dept. Licenses, Queens		287 00
Dept. Licenses, Queens		8 00
Dept. W. S., G. and E., Manhattan		804 60
Dept. W. S., G. and E., Bronx		213 10
Dept. W. S., G. and E., Queens		952 68
Dept. W. S., G. and E., Richmond		2,766 51
Pres., Bor. Manhattan		188 56
Pres., Bor, Bronx		75 00
Pres., Bor. Brooklyn, Bur. Sewers		678 00
Pres., Bor. Brooklyn, Supt. Bldgs		33 90
Pres., Bor. Queens		477 63
Pres., Bor. Richmond		40 00
Public Service Commn		729 75
District Attorney, N. Y. Co		49 12
Sheriff's Fees, Bronx Co		318 32
Sheriff's Fees, Kings Co		632 78
Sheriff's Fees, Queens Co		380 59
Surrogate's Fees, Richmond County		23 50
Ar. Water Rents, Richmond		180 39
Int. Water Rents, Richmond		20 49
Int. Ar. Taxes, 1897, Etc., Richmond		10
Fees for Searches, Richmond		6 40
		543,104 13
		10,722,616 27
		$23,034,342 41

Debit.

REVENUE BOND FUND ACCOUNTS.

Expenses of the Panama Pacific Exposition	$10,000 00
County Clerk, Kings County, 1914	489 00
Claims	16,727 56
Pub. Service Commn., 1st Dist., N. Y., Exps., 1914	1,162 55
Pub. Service Commn., 1st Dist., N. Y., Exps., 1915	14,348 01
Bd. of Elections, Deficiency in Appropriation, 1914	46 40
Bd. of Estimate and Apportionment, 1914	250 00
Municipal Garage, Maintenance and Supplies	518 75
Dept. Bridges, 1915	1,248 83
Dept. Education, Deficiency in General School Fd., 1914	62,824 66
Dept. Taxes and Assts., Allowances for Budget Items, Etc., 1914	56 00
Judgments	6,405 83
Payment of County Charges and Expenses	2,260 00
Brooklyn Public Library, 1915	286 61
Experimental Sewerage Purification Work at 26th Ward Plant, Brooklyn	105 00
Unsafe Buildings, Brooklyn, Section 157 of the Bldg. Code	180 38
Repairs to and Reconstruction of Sewers, Manhattan	613 30
Repairing and Refurnishing the City Hall, 1914	1,269 95
Removal of Snow and Ice, Richmond, 1914	673 00
Pres., Bor. Bronx, Repairing Bridge Over Railroad Tracks at East 153rd Street	30 00
Register, Bronx County, Moving and Copying Real Estate Records	22 00
Sheriff, Richmond County, Deficiency in Budget Items, 1913	10 75

CORPORATE STOCK ACCOUNTS.

New Bellevue Hosp., Cons. of	5,829 02
Dept. Public Charities	3,775 49
Sea View Hosp., Staten Island	473 69
Abolishing Grade Crossings of Highways and Railroads, Bkn	12,500 00
New Water Supply of The City of New York	231,120 52
Exps. Commrs. of Estimate and Appraisal for Clerks, Etc	993 32
Bronx Parkway Commn	62,221 20
Rapid Transit Cons. Fund	18,752 96
Williamsburgh Bridge, Strengthening Structure	6 70
Williamsburgh Bridge, Alterations for Operation of Subway Cars	866 27
Manhattan Bridge, Manhattan Terminal, Subway, Surface, Cons. and Track Work	720 40
Manhattan Bridge, Manhattan Terminal, Masonry, Grading, Etc., at New Bayard, Canal and Forsyth Streets	12 14
Dept. Bridges, Contingent Expenses of Engrg. Cons. Force	17 00
Dept. Bridges, Corporate Allowance, 1915	161 00
Dock Fund	4,640 86
Dept. Docks and Ferries	1,177 17
Dept. Education, Building Bureau	14,656 78
School Buildings, Fire Protection	6 81
School Building Fund, All Boroughs, Portable Buildings	400 00
School Building Fund, Queens	639 00
School Building Fund, Interior Cons. and Equipment	5,626 45
School Buildings, Cons. and Equipment	22,167 32
Dept. Health, Building Fund	250 00
Dept. Health, Tuberculosis Sanit., Otis., Or. Co., N. Y	2,504 35
Metropolitan Museum of Art	268 02
N. Y. Zoological Park	10 60
Dept. St. Cleaning, Manhattan, Cons. and Equipment of Street Cleaning District	693 63
Water Fund, Manhattan and Bronx	182 04
Water Fund, East of the Bronx	964 10
Wat. Supp. Sys., Brooklyn, Extension of Distribution for Small Mains	542 41
Wat. Supp. Sys., Queens, Distribution Mains	1,917 80
Wat. Supp. Sys., Richmond, Machinery and Equipment for New Grant City Pumping Station	160 00
Wat. Supp. Sys., All Boroughs, Corporate Allowance, 1915	3,497 50
Fire Alarm Teleg. Sys., Manhattan, Bronx and Brooklyn, Rearranging Circuits, Etc., for New System	60 15
Fire Alarm Teleg. System, Richmond	1,197 33
Fire Dept., New Apparatus, Purchase of Motor Tractors and Motor Hose Tenders	14,716 00
Fire Dept., Rich., Erectn. of Bldgs., Acqn. of Sites, Etc	132 85
Fire Alarm System, Manhattan	11,171 67
Fire Alarm System, Brooklyn	8,325 90
Fund for Street and Park Openings	96,928 84
Street Impt. Fund	49,083 97
Williamsbridge Sewer Fund, Cash Account	155,000 00
Refunds Payable Corporate Stock	5,838 09
Carnegie Libraries, Brooklyn, Purchase of Original Stock of Books	599 65
Normal College of The City of New York	155 00
Repaving Streets, Brooklyn	18 44
Bureau of Sewers, Man., Purchase of New Filing Cases	214 80
Cons. and Equipment of Asphalt Repair Plant, Man	424 10
Repaving Streets, Manhattan	39,565 18
Repaving Streets, Richmond	3,100 28
Rebuilding Sewer in 149th Street and in 144th Street	27 00
Repaving Streets, Bronx	81 00

Dr.

SPECIAL AND TRUST FUND ACCOUNTS.

Antitoxine Fund	280 00
Cons. of Private Sewers, Brooklyn	63 56
Cons. of Private Sewers, Queens	60 00
Dept. Correction, City Prisons, Etc., Special Fund, Etc	319 23
Dept. Education, Maintenance of Training Schools	169 38
Dept. Education, Special High School Fund	3 90
Excise Taxes	209 37
Brooklyn Bridge Revenue, Material and Labor, 1915	4,104 18
Public School Library Fund	8 79
Restoring and Repaving, Special Fund, Bronx	1,107 62
Restoring and Repaving, Special Fund, Brooklyn	1,447 23
Restoring and Repaving, Special Fund, Manhattan	3,728 29
Restoring and Repaving, Special Fund, Queens	234 31
Restoring and Repaving, Special Fund, Richmond	162 91
Restoring and Repaving, Special Fund, Dept. Parks, Bkn. and Qns	64 00
Water Meter Fund No. 2	5 35
Water Meter Fund, Brooklyn	26 36
Water Meter Fund, Richmond	4 38
Williamsburgh Bridge, Maintenance, 1915	4,127 39
Special Trade School Fund, Manhattan	29 50
Maintenance, Etc., Water Supply, Bkn., 1914	1,655 01
Dept. Correction, Manufacturing Fund	1,913 96
Dept. Parks, Brooklyn, Planting Trees in City Streets	713 61
Dept. Parks, Queens, Firewood Fund	60 00
Maintenance, Etc., Water Supply, Bkn., 1915	36,611 79
Undistributed Payroll Advance Account Pending Distribution—Pres., Bor. Manhattan	2,062 49
Undistributed Payroll Advance Account Pending Distribution—Pres., Bor. Bronx	10,779 94
Fines and Penalties Held in Trust for Various Societies	110 00
N. Y. Fire Dept. Relief Fund	10,263 32
Police Pension Fund	107,500 00
Unclaimed Salaries and Wages	190 52
Refunding Taxes Paid in Error, Richmond	1 50
Dept. St. Cleaning Pension Fund	3,161 96
Warrants Returned by Payee Held in Suspense	210 00
Unclaimed Checks, Street Opening Refund Account	12 50
Refunds of Licenses of Taxicabs, Etc	92
1912.	
Dept. Education	1 87
1913.	
Bellevue and Allied Hosps	26 00
Dept. Public Charities	38 88
Dept. Street Cleaning	12 50
Fire Dept.	33 93
Dept. Education	16 89
1914.	
Bd. of Estimate and Apportionment	4 87
Law Dept.	5,000 00
Bureau of Licenses	129 00
Pres., Bor. Manhattan	1,838 76
Pres., Bor. Bronx	2,595 85
Pres., Bor. Brooklyn	93 10
Pres., Bor. Queens	4 35
Dept. Education	29,257 02
Dept. Parks	719 20
Police Dept.	839 14
Fire Dept.	1,067 15
Armory Board	1,318 55
Dept. Health	1,456 60
Dept. Public Charities	13,863 95
Bellevue and Allied Hosps	3,082 08
Dept. W. S., G. and E.	12,340 94
Dept. Street Cleaning	5,011 60
Manhattan Eye, Ear and Throat Hosp	501 25
Dept. Correction	1,032 32
Bd. of City Record	9 73
County of New York, District Attorney	93 00
County of New York, Sheriff	253 87
County of Kings, County Court	470 55
County of Richmond, District Attorney	75 00
1915.	
Bd. of Aldermen and City Clerk	13 09
Bd. of Estimate and Apportionment	3,148 89
Dept. Finance	6,312 72
Law Dept.	3,513 24
Dept. Taxes and Assessments	98 38
Bd. of Elections	334 01
Municipal Civil Service Commn	10,256 27
Commrs. of Accounts	51 61
Bureau of Weights and Measures	248 80
Dept. Licenses	531 17
Pres., Bor. Manhattan	25,029 98
Pres., Bor. Bronx	12,816 24
Pres., Bor. Brooklyn	18,301 79
Pres., Bor. Queens	40,152 89
Pres., Bor. Richmond	11,995 31
Dept. Education	202,969 46
Hunter College of The City of New York	2,829 18
Brooklyn Public Library	11,986 18
Dept. Parks	112,026 10
Bronx Parkway Commn	2,568 96
Public Recreation Commn	184 00
Police Dept.	618,951 87
Fire Dept.	303,736 84
Armory Board	726 63
Bd. of Building Examiners	19 85
U. S. Volunteer Life Saving Corps	181 65
Dept. Health	99,496 53
Dept. Public Charities	31,220 02
Bellevue and Allied Hosps	17,006 81
Bd. of Ambulance Service	1,540 00
Tenement House Dept.	1,066 30
Dept. W. S., G. and E.	156,091 11
Dept. Street Cleaning	148,785 79
German Odd Fellows Home and Orphan Asylum	1,420 35
Hebrew Infant Asylum of the City of New York	5,019 22
House of Calvary	1,163 75
Har Moriah Hosp	560 60
Hosp. for Deformities and Joint Diseases	666 87
Manhattan Eye, Ear and Throat Hosp	1,115 60
Montefiore Home	11,056 10
N. Y. Hosp	4,300 84
N. Y. Catholic Protectory	32,626 06
Sacred Heart Orphan Asylum	1,797 34
Sheltering Arms Nursery of Brooklyn	688 21
N. Y. Society for the Relief of the Ruptured and Crippled	1,506 76
Societe Francaise de Bienfaisance	67 50
Swedish Hosp. in Brooklyn	435 00
Vocational Training	1,352 75
Dept. Correction	8,416 99
Bd. of Inebriety	42 87
Dept. Bridges	6,247 52
Dept. Docks and Ferries	43,612 07
City Court of New York	253 23
Court of Special Sessions of The City of New York	824 20
City Magistrates' Courts, First Division	240 94
City Magistrates' Courts, Second Division	15,141 58
Municipal Courts of The City of New York	485 01
Bd. of Coroners, Bronx	4 75
Bd. of Coroners, Brooklyn	94 94
Bd. of Coroners, Richmond	3 05
Bd. of City Record	33,665 18
Advertising	663 45
Debt Service	19,151 40
Rent	3,001 00
Memorial Day Observances, Brooklyn	3,000 00
Memorial Day Observances, Queens	300 00
Memorial Committee of Sapnish War Veterans	2,500 00
Memorial Committee of the Army and Navy Union	1,000 00
County of New York.	
County Clerk	45 55
District Attorney	1,169 70
Register	44 58
Commr. of Records	21 39
Commr. of Jurors	41 07
Sheriff	89 55
Supreme Court, First Dept	1,272 35
Surrogates' Court	58 85
Fees and Expenses of Jurors	100,000 00
Stenographers' Fees	319 80
Bd. of City Record	887 81
County of Bronx.	
County Clerk	2,806 84
District Attorney	234 75
Register	7 00
Commr. of Jurors	6 20
Public Administrator	12 90
Sheriff	308 03
Surrogate's Court	13 14
County Court	1,572 55
Fees and Expenses of Jurors	25 45
Bd. of City Record	315 76

Dr.

County of Kings.		
County Clerk	50 75	
District Attorney	183 73	
Register	45 53	
Commr. of Records	24 66	
Sheriff	70 99	
County Court	134 65	
Fees and Expenses of Jurors	21 00	
Disbursement and Fees	150 00	
Bd. of City Record	843 97	
County of Queens.		
District Attorney	202 39	
Commr. of Jurors	19 60	
Public Administrator	3 30	
Sheriff	36 79	
Bd. of City Record	65 04	
County of Richmond.		
County Clerk	22 19	
District Attorney	108 74	
Sheriff	175 00	
Supreme Court	10 00	
Fees and Expenses of Jurors	1,416 00	
Bd. of City Record	47 02	
Moneys Refundable from the General Fund	47 25	
Sheriff's Fees, County of New York	34 72	
Forfeited Recognizances, New York County	1,125 00	
Refunds Payable General Fund	32,211 89	
Revenue Bonds and Bills of 1915	2,550,000 00	
		5,919,434 88
Balance, May 22d, 1915		$17,114,907 53

RECAPITULATION.

Appropriation	$4,824,108 23
Revenue Bond Fund	119,528 58
Corporate Stock	784,394 80
Special and Trust	191,403 27
	$5,919,434 88

The Commissioners of the Sinking Funds of The City of New York, in Account with Henry Bruere, Chamberlain, For and During the Week Ending May 22nd, 1915.

SINKING FUND REDEMPTION.

Credit.

May 15th, 1915, Balance			$5,415,953 20
May 22nd, 1915.			
Assessments Prior to 1850—Coll. Assts		$5 02	
Privileges—Coll. City Revenue		784 50	
Rent—Coll. City Revenue		5,912 43	
Vault Privileges—Coll. City Revenue		2,381 25	
Sundry Licenses, Man. and Bronx—Commr. Licenses	$5,240 00		
Sundry Licenses, Brooklyn—Commr. Licenses	2,350 00		
Sundry Licenses, Queens—Commr. Licenses	50 00		
		7,640 00	
Street Vaults, Manhattan—Compr	$102 46		
Street Vaults, Manhattan—Pres., Bor. Man	755 05		
Street Vaults, Brooklyn—Pres., Bor. Bkn	336 04		
Street Vaults, Queens—Pres., Bor. Qns	55 15		
		1,248 70	
Licenses—Commr. Licenses		409 00	
Fines—Commr. Licenses		114 00	
Rents—Commr. Docks		39,732 57	
			58,227 47
			$5,474,180 67

Debit.

Refunding Overpayment Made by Mrs. Elizabeth Anderson on Street Vault Permit	34 96
Balance, May 22nd, 1915	$5,474,145 71

SINKING FUND INTEREST.

Credit.

May 15th, 1915, Balance			$2,208,067 61
May 22nd, 1915.			
Ar. Croton Water Rents—Rec. Taxes		$13,695 85	
Ar. Croton Water Rents—Coll. Assts		7,083 16	
Int. Croton Water Rents—Coll. Assts		943 03	
Croton Rents and Penalties, Man.—Commr. W. S., G. and E.	$76,210 12		
Croton Rents and Penalties, Bronx—Commr. W. S., G. and E.	20,157 47		
		96,367 59	
Tolls—Commr. Docks		16,381 88	
Privileges—Commr. Docks		399 13	
Ferry Rents—Commr. Docks		3,438 31	
Rents—Coll. City Revenue		3,641 85	
Water Lot Rents—Coll. City Revenue		124 20	
Fines and Penalties, Sheriff, Bronx Co.—O'Brien		225 00	
			142,300 00
			$2,350,367 61

Debit.

Fines for Violation of the Dental Law	$100 00	
Investment in 4 Per Cent. Notes, City of N. Y., Etc., Cons. R. T. Rds.	600,000 00	
Investment in 4 Per Cent. Notes, City of N. Y., Etc., Cons. R. T. Rds.	900,000 00	
		1,500,100 00
Balance, May 22nd, 1915		$850,267 61

SINKING FUND OF THE CITY OF BROOKLYN.

Credit

May 15th, 1915, Balance			$216,780 39
May 22nd, 1915.			
Prospect Park Impt., Inst.—Coll. Assts		$318 06	
Prospect Park Impt., Full Paymt—Coll. Assts		71 02	
Int. Prospect Park Impt., Inst.—Coll. Assts		21 75	
			410 83
Balance, May 22, 1915			$217,191 22

The City of New York, in Account with Henry Bruere, Chamberlain, During the Week Ending May 22nd, 1915.

INTEREST REGISTERED.

Credit.

May 15th, 1915, Balance	$157,118 90

Debit.

May 22nd, 1915, Interest Registered	30,115 13
Balance, May 22nd, 1915	$127,003 77

JURY FEES.

May 15th, 1915, Credit Balance, N. Y. Co	$16,520 00		
May 22nd, 1915, Credit, N. Y. Co., 1915	100,000 00		
		$116,520 00	
May 22nd, 1915, Debit, N. Y. Co., 1914	$2 00		
May 22nd, 1915, Debit, N. Y. Co., 1915	7,754 00		
		7,756 00	
			$108,764 00
May 15th, 1915, Credit Balance, Br nx Co		$8,092 00	
May 22nd, 1915, Debit, Bronx Co., 1915		1,532 00	
			6,560 00
May 15th, 1915, Credit Balance, Kings Co		$13,248 00	
May 22nd, 1915, Debit, Kings Co., 1914	$4 00		
May 22nd, 1915, Debit, Kings Co., 1915	3,242 00		
		3,246 00	
			10,002 00
May 15th, 1915, Credit Balance, Queens Co		12,259 02	
May 22nd, 1915, Debit, Queens Co., 1915		843 20	
			11,415 82
May 15th, 1915, Credit Balance, Rich. Co	$1,377 58		
May 22nd, 1915, Credit, Richmond Co., 1915	1,500 00		
		2,877 58	
May 22nd, 1915, Debit, Richmond Co., 1915		102 30	
			2,775 28
Balance, May 22nd, 1915			$139,517 10

WITNESS FEES.

May 15th, 1915, Credit Balance, New York Co		$6,366 81	
May 22nd, 1915, Debit, N. Y. Co., 1914	$2 00		
May 22nd, 1915, Credit, N. Y. Co., 1915	360 36		
		362 36	
			$6,004 45
May 15th, 1915, Credit Balance, Br nx Co		$3,155 88	
May 22nd, 1915, Debit, Bronx Co., 1915		65 98	
			3,089 90
May 15th, 1915, Credit Balance, Kings Co		$4,540 78	
May 22nd, 1915, Debit, Kings Co., 1914	$3 00		
May 22nd, 1915, Debit, Kings Co., 1915	90 86		
		93 86	
			4,446 92
May 15th, 1915, Credit Balance, Queens Co		$532 38	
May 22nd, 1915, Debit, Queens Co., 1915		17 10	
			515 28
May 15th, 1915, Credit Balance, Richmond Co		$547 04	
May 22nd, 1915, Debit, Richmond Co., 1915		35 74	
			511 30
Balance, May 22nd, 1915			$14,567 85

Changes in Departments, Etc.

DEPARTMENT OF FINANCE.
Collection of Taxes.

Services Ceased — Temporary Clerks: June 12: Clarence R. Meade, 1658 Third Ave., Manhattan; Joseph A. Kehoe, 1221 57th St., Manhattan; David Gladstone, 526 E. 135th St., Manhattan; Harry F. Gordon, 1042 Lowell St., Bronx; Francis Israel, 52 Charles St., Manhattan; Bernard I. Rosenhaus, 1736 Madison Ave., Manhattan; Arthur Rubeck, 261 Vernon Ave., Brooklyn; Maurice E. Weintraub, 4 W. 115th St., Manhattan; James A. Salvato, 151 Mott St., Manhattan; George Jacobs, 226 W. 12st St., Manhattan; Edward S. Cruise, 441 W. 88th St., Manhattan; Edward I. Boylston, 429 East 69th St., Manhattan; Edward F. McGuire, 512 E. 163d St., Bronx; J. R. Altman, 454 Mott Ave., Bronx; Jacob Fieberman, 29 Cannon St., Manhattan; Jos. E. Farrington, 23 King St., Manhattan; Samuel Goldklang, 57 E. 117th St., Manhattan; Samuel Finkelstein, 494 E. 139th St., Manhattan; Michael J. A. Hickey, 818 E. 169th St., Bronx; Stephen W. Gerber, 763 E. 156th St., Manhattan; Louis Volins, 311 E. 3rd St., Manhattan; Frank V. Dodd, 55 Kings St., Manhattan; John A. Lyons, Princess Bay, S. I.; Jacob Kaufman, 1693 Eastburn Ave., Bronx; John P. Kennedy, 621 E. 161st St., Manhattan; John V. O'Connor, 245 W. 66th St., Manhattan; Harry Landsman, 73 W. 115th St., Manhattan; Walter H. Barry, 1557 Undercliff Ave., Manhattan; Wm. J. Broderick, Jr., 309 Bedford Park Boulevard, Brooklyn; Sanford N. Raizen, 944 Tiffany St., Bronx; Harry C. Goldenberg, 43 W. 114th St., Manhattan; Richard G. Clarke, 662 W. 184th St., Manhattan; Thos. F. Smith, 1008 Putnam Ave., Brooklyn; Jas. A. McGrath, 284 Sixth St., Brooklyn; Salvador M. Pagano, 497 Metropolitan Ave., Brooklyn; George J. Joyce, 29 Third St., Brooklyn; Samuel S. Klauber, 303 Broadway, Brooklyn; August G. Kellerman, Jr., 90 North Oxford St., Brooklyn; Louis C. Himmelsbach, 480 Grove St., Brooklyn; George A. Rush, 3074 Webster Ave., Bronx; Emanuel Berger, 164 South 3rd St., Brooklyn; Frank Sheehan, 2349 Second Ave., Manhattan; Theo. Levine, 2264 Amsterdam Ave., Manhattan; Harry Minster, 659 E. 165th St., Manhattan; C. Fred Rank, 709 Forrest Ave., Brooklyn; Thos. F. Clowry, 49 E. 64th St., Manhattan; Nat. Black, 970 Eastern Parkway, Brooklyn; P. J. Walsh, 2126 Eighth Ave., Manhattan; Jos. A. Murray, 443 W. 38th St., Manhattan; John A. Coffey, 430 E. 17th St., Manhattan; J. Silverstein, 371 South 5th St., Brooklyn; Isidore Klein, 133 Avenue D. Temporary Adding and Billing Machine Operators, June 12: Emma L. Spencer, 325 E. 156th St., Manhattan; Katherine P. Judge, 3078 Perry St., Manhattan.

DEPARTMENT OF BRIDGES.

Services Ceased—Charles W. Hunt, 95 Saratoga avenue, Brooklyn, Rammer, June 14.

COMMISSIONERS OF ACCOUNTS.

Appointed—Robert S. Fowler, 319 W. 30th St., Associate Efficiency Engineer, at $2,400 per annum; June 16.

DEPARTMENT OF PARKS.
The Bronx.

Appointed—(For two weeks), William Galvin, 1726 Park Avenue, Driver, at $2.50 per diem, June 12.

Manhattan and Richmond.

Services Ceased—Attendants, at $2.50 per day: June 2, William A. Podolak, 939 East 177th Street; June 8: George W. Mann, 604 East 84th Street; June 9, Samuel Wallenstein, 760 East 182d Street.

Appointed—June 9, Cottage Attendant, at $600 per annum, Julia A. McAneeny, 52 Dikeman Street, Brooklyn.

Department of Education.

Contracts Awarded June 11, 1915.

Jacob M. Gewertz, 73 Hart St., Brooklyn, for alterations at Public Schools 55 and 145, Brooklyn; surety, Casualty Co. of America. James I. Newman, 1667 Woodhaven Ave., Woodhaven, L. I., for alterations at Public Schools 43, 57, 74, 86 and 129, Brooklyn; surety, Casualty Co. of America. Willet & Co., 608 3d Ave., City, for alterations at Public School 162, Brooklyn; surety, National Surety Co. Thos. E. O'Brien, Inc., 6311 5th Ave., Brooklyn, for sanitary alterations at Public School 33, Brooklyn; surety, Casualty Co. of America. Herman Glasser, 30 E. 12th St., City, for alterations at Public School 147, Brooklyn; surety, Casualty Co. of America.

C. L. Dooley, Inc., 257 Adelphi St., Brooklyn, for alterations at Public School 117, Brooklyn; surety, Casualty Co. of America. M. Barash, 12 Bergen St., Brooklyn, for alterations at Public Schools 53 and 123, Brooklyn; surety, Casualty Co. of America. Charles F. Morsch & Son, 1334 ———, Brooklyn, for alterations, repairs, etc., at Public School 119, Brooklyn, and Jamaica High School, Queens; surety, American Surety Co. Frank Kiebitz, 26th St., Flushing, N. Y., for alterations, repairs, etc., at Public Schools 20, 79, Queens; surety, Casualty Company of America. William H. Waite, 39 Lincoln Pl., Brooklyn, N. Y., for alterations, repairs, etc., at Public School 137, Brooklyn; surety, Casualty Company of America.

C. L. Dooley, Inc., 257 Adelphi St., Brooklyn, N. Y., for alterations, repairs, etc., at Erasmus Hall High School, Brooklyn; surety, Casualty Company of America. Weinstein Bros., 970 Myrtle Ave., Brooklyn, N. Y., for alterations, repairs, etc., at Public School 109, Brooklyn; surety, Casualty Company of America. Willet & Co., 608 3d Ave., City, for alterations, repairs, etc., at Public School 92, Brooklyn; surety, National Surety Company. W. C. Redlich, 4 Sylvan Court, The Bronx, for alterations, repairs, etc., at Public School 95, Manhattan; surety, Casualty Company of America. William Hahn, 154 W. 63d St., City, for alterations, repairs, etc., at Public School, Manhattan; surety, Casualty Company of America.

A. E. PALMER, Secretary.

OFFICIAL DIRECTORY.

Unless otherwise stated, the Public Offices of the City are open for business from 9 a. m. to 5 p. m.; Saturday, 9 a. m. to 12 noon.

CITY OFFICES.

MAYOR'S OFFICE.
City Hall. Telephone, 8020 Cortlandt.
John Purroy Mitchel, Mayor.
Theodore Rousseau, Secretary.
Bertram de N. Cruger, Executive Secretary.
Bureau of Weights and Measures.
Municipal Building, 3rd floor. Telephone, 1498 Worth.
Joseph Hartigan, Commissioner.

COMMISSIONERS OF ACCOUNTS.
Municipal Building. Telephone, 4315 Worth.
Leonard M. Wallstein, Commissioner of Accounts.

BOARD OF ALDERMEN.
Clerk's Office, Municipal Building, 2nd floor. Telephone, 4430 Worth.
P. J. Scully, Clerk.
President of the Board of Aldermen.
City Hall. Telephone, 6770 Cortlandt.
George McAneny, President.

BOARD OF AMBULANCE SERVICE.
300 Mulberry st. Ambulance Calls—3100 Spring. Administration Offices—7586 Spring.

ARMORY BOARD.
Hall of Records. Telephone, 3900 Worth.
C. D. Rhinehart, Secretary.

ART COMMISSION.
City Hall. Telephone, 1197 Cortlandt.
John Quincy Adams, Assistant Secretary.

BOARD OF ASSESSORS.
Municipal Building, 8th floor. Telephone, 29 Worth.
Alfred P. W. Seaman, Chairman.
St. George B. Tucker, Secretary.

BELLEVUE AND ALLIED HOSPITALS.
26th st. and 1st ave. Telephone, 4400 Madison square.
Dr. John W. Brannan, President.
J. K. Paulding, Secretary.

DEPARTMENT OF BRIDGES.
Municipal Building, 18th floor. Telephone, 380 Worth.
F. J. H. Kracke, Commissioner.

BUREAU OF THE CHAMBERLAIN.
Municipal Building, 8th floor. Telephone, 4270 Worth.
Henry Bruere, Chamberlain.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.
Municipal Building, 2nd floor. Telephone, 4430 Worth.
P. J. Scully, City Clerk.

BOARD OF CITY RECORD.
Supervisor's office, Municipal Building, 8th floor. Distributing Division, 96 Reade st. Telephone, 3490 Worth.
David Ferguson, Supervisor.

DEPARTMENT OF CORRECTION.
Municipal Building, 24th floor. Telephone, 1610 Worth.
Katharine B. Davis, Commissioner.

DEPARTMENT OF DOCKS AND FERRIES.
Pier "A," N. R. Telephone, 300 Rector.
R. A. C. Smith, Commissioner.

DEPARTMENT OF EDUCATION.
Board of Education.
Park ave. and 59th st. Telephone, 5580 Plaza.
Stated meetings of the Board are held at 4 p. m. on the first Monday in February, the second Wednesday in August, and the second and fourth Wednesdays in every month, except August.
Thomas W. Churchill, President.
A. Emerson Palmer, Secretary.

BOARD OF ELECTIONS.
General office and office of the Borough of Manhattan, Municipal Building, 18th floor. Telephone, 1307 Worth.
Edward F. Boyle, President.
Moses M. McKee, Secretary.
Other Borough Offices.
The Bronx.
368 E. 148th st. Telephone, 336 Melrose.
Brooklyn.
435-445 Fulton st. Telephone, 1932 Main.
Queens.
64 Jackson ave., Long Island City. Telephone, 3375 Hunters Point.
Richmond.
Borough Hall, New Brighton, S. I. Telephone, 1000 Tompkinsville.
All offices open from 9 a. m. to 4 p. m. Saturday, to 12 m.

BOARD OF ESTIMATE AND APPORTIONMENT.
Municipal Building, 13th floor. Telephone, 4560 Worth.
Joseph Haag, Secretary.
Bureau of Records and Minutes.
Municipal Building, 13th floor. Telephone, 4560 Worth. Joseph Haag, Secretary.
Office of the Chief Engineer.
Municipal Building, 13th floor. Telephone, 4560 Worth. Nelson P. Lewis, Chief Engineer.
Bureau of Public Improvements.
Municipal Building, 13th floor. Telephone, 4560 Worth. Nelson P. Lewis, Chief Engineer.
Bureau of Franchises.
Municipal Building, 13th floor. Telephone, 4563 Worth. Harry P. Nichols, Engineer.
Bureau of Contract Supervision.
Municipal Building, 13th floor. Telephone, 4560 Worth. Central Testing Laboratory, 125 Worth St. Telephone, 3088 Franklin. Tilden Adamson, Director.
Bureau of Standards.
Municipal Building, 13th floor. Telephone, 4560 Worth. George L. Tirrell, Director.
Bureau of Sewer Plan.
Municipal Building, 12th floor. Telephone, 4227 Worth. Kenneth Allen, Engineer.

BOARD OF EXAMINERS.
Municipal Building, 20th floor. 9 a. m. to 4 p. m. Saturday, to 12 m. Telephone, 3280 Worth.
Board meets every Tuesday at 2 p. m.
Edward V. Barton, Clerk.

DEPARTMENT OF FINANCE.
Municipal Building, 5th floor. Telephone, 1200 Worth. Shepard A. Morgan, Secretary to the Department, 5th floor.
William A. Prendergast, Comptroller.
Deputy Comptrollers, 7th floor. Alexander Brough, Edmund D. Fisher, Charles S. Hervey, Hubert L. Smith.
Receiver of Taxes.
Manhattan—Municipal Building, 2nd floor. Telephone, 1200 Worth.
Bronx—177th st. and Arthur ave. Telephone, 140 Tremont.
Brooklyn—236 Duffield st. Telephone, 7056 Main.
Queens—5 Court Square, Long Island City. Telephone, 3386 Hunter's Point.
Richmond—Borough Hall, St. George. Telephone, 1000 Tompkinsville.
Frederick H. E. Ebstein, Receiver of Taxes.
Collector of Assessments and Arrears.
Manhattan—Municipal Building, 3d floor. Telephone, 1200 Worth.
Bronx—177th St. and Arthur Ave. Telephone, 47 Tremont.
Brooklyn—503 Fulton st. Telephone, 8340 Main.
Queens—Municipal Building, Court Square, Long Island City. Telephone, 1553 Hunter's Point.
Richmond—Borough Hall, St. George. Telephone, 1000 Tompkinsville.
Daniel Moynahan, Collector.

FIRE DEPARTMENT.
Municipal Building, 11th floor. Telephone, 4100 Worth.
Brooklyn, 365 Jay st. Telephone, 7600 Main.
Robert Adamson, Commissioner.

DEPARTMENT OF HEALTH.
Centre and Walker sts., Manhattan. Telephone, 6280 Franklin.
Burial Permit and Contagious Disease offices always open.
Bronx, 3731 Third ave. Brooklyn, Flatbush ave., Willoughby and Fleet sts. Queens, 372 Fulton st., Jamaica. Richmond, 514 Bay st., Stapleton.
S. S. Goldwater, Commissioner.
Eugene W. Scheffer, Secretary.

BOARD OF INEBRIETY.
300 Mulberry st. Telephone, 7116 Spring.
Board meets first Wednesday in each month at 3 o'clock.
Charles Samson, Secretary.

LAW DEPARTMENT.
Office of Corporation Counsel.
Main office, Municipal Building, 16th floor. Telephone, 4600 Worth.
Frank L. Polk, Corporation Counsel.
Brooklyn office, 153 Pierrepont st. Telephone, 2948 Main.
Bureau of Street Openings.
Main office, Municipal Building, 15th floor. Telephone, 1380 Worth.
Brooklyn office, 166 Montague st. Telephone, 5916 Main.
Queens office, Municipal Building, Long Island City. Telephone, 3886 Hunters Point.
Bureau for the Recovery of Penalties.
Municipal Building, 15th floor. Telephone, 3460 Worth.
Bureau for the Collection of Arrears of Personal Taxes.
Municipal Building, 17th floor. Telephone, 4585 Worth.
Tenement House Bureau and Bureau of Buildings.
Municipal Building, 15th floor. Telephone, 1620 Worth.

DEPARTMENT OF LICENSES.
Main Office, 49 Lafayette st. Telephone, 4490 Franklin.
George H. Bell, Commissioner.
Centre St. Office—57-59 Centre st. Telephone, 2030 Worth. Julian Rosenthal, Deputy Commissioner.
Brooklyn—381 Fulton Street. Telephone, 1497 Main.
Queens—Borough Hall, Long Island City. Telephone, 5400 Hunters Point.
Richmond, Borough Hall, New Brighton. Telephone, 1000 Tompkinsville.
Division of Licensed Vehicles—517-519 W. 57th st. Telephone, 6387 Columbus.
Public Employment Bureau—Men's departments, 128 Leonard st.; Women's departments, 53 Lafayette st. Telephone, 6100 Franklin.

MUNICIPAL CIVIL SERVICE COMMISSION.
Municipal Building, 14th floor. Telephone, 1580 Worth.
Henry Moskowitz, President.
Robert W. Belcher, Secretary.

MUNICIPAL REFERENCE LIBRARY.
Municipal Building, 5th floor. Telephone, 1072 Worth. 9 a. m. to 5 p. m.; Saturday, to 1 p. m.

DEPARTMENT OF PARKS.
Municipal Building, 10th Floor. Telephone, 4850 Worth.
Cabot Ward, Commissioner, Manhattan and Richmond.
Borough of Brooklyn.
Litchfield Mansion, Prospect Park, Brooklyn. Telephone, 2300 South.
Raymond V. Ingersoll, Commissioner.
Borough of The Bronx.
Zbrowski Mansion, Claremont Park. Telephone, 2640 Tremont.
Thomas W. Whittle, Commissioner.
Borough of Queens.
The Overlook, Forest Park, Richmond Hill, L. I. Telephone, 2300 Richmond Hill.
John E. Weier, Commissioner.
PARK BOARD.
Municipal Building, 10th floor. Telephone, 4850 Worth. Cabot Ward, President. Louis W. Fehr, Secretary.

BOARD OF PAROLE OF THE NEW YORK CITY REFORMATORY OF MISDEMEANANTS.
Municipal Building, 24th floor. Telephone, 1610 Worth.
Thomas R. Minnick, Secretary.

EXAMINING BOARD OF PLUMBERS.
Municipal Building, 8th floor. Telephone, 1800 Worth.
J. A. Glendinning, Clerk.

POLICE DEPARTMENT.
240 Centre st. Telephone, 3100 Spring.
Arthur Woods, Commissioner.

DEPARTMENT OF PUBLIC CHARITIES.
Principal office, Municipal Building, 10th floor. Telephone, 4440 Worth.
Brooklyn and Queens, 327 Schermerhorn st., Brooklyn. Telephone, 2977 Main.
Bureau of Dependent Adults, Pier, foot of East 26th st. Telephone, 7400 Madison Square. The Children's Bureau, 124 East 59th st. Telephone, 7400 Madison Square.
Borough of Richmond, Borough Hall, St. George, S. I. Telephone, 100 Tompkinsville.
John A. Kingsbury, Commissioner.

PUBLIC RECREATION COMMISSION.
Municipal Building, 5th floor. Telephone, 1471 Worth.
Meeting every second Tuesday at 2.30 p. m.
Cyril H. Jones, Acting Secretary.

PUBLIC SERVICE COMMISSION.
154 Nassau st., Manhattan. 8 a. m. to 11 p. m. every day, including holidays and Sundays. Telephone, 4150 Beekman.
Edward E. McCall, Chairman.
Travis H. Whitney, Secretary.

BOARD OF REVISION OF ASSESSMENTS.
Municipal Building, 7th floor. Telephone, 1200 Worth.
John Korb, jr., Chief Clerk.

COMMISSIONERS OF SINKING FUND.
Office of Secretary, Municipal Building, 7th floor. Telephone, 1200 Worth.
John Korb, jr., Secretary.

DEPARTMENT OF TAXES AND ASSESSMENTS.
Municipal Building, 9th floor. Telephone, 1800 Worth.
Lawson Purdy, President.
C. Rockland Tyng, Secretary.

DEPARTMENT OF STREET CLEANING.
Municipal Building, 12th floor. Telephone, 4240 Worth.
John T. Fetherston, Commissioner.

TENEMENT HOUSE DEPARTMENT.
Manhattan and Richmond office, Municipal Building, 19th floor. Telephone, 1526 Worth.
Brooklyn and Queens office, 503 Fulton st., Brooklyn. Telephone, 3825 Main.
Bronx office, 391 East 149th st. Telephone, 107 Melrose.
John J. Murphy, Commissioner.

BOARD OF WATER SUPPLY.
Municipal Building, 22d floor. Telephone, 3150 Worth.
Charles Strauss, President.
W. Bruce Cobb, Secretary.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.
Municipal Building, 23d, 24th and 25th floors.
Telephones: Manhattan, 4320 Worth; Brooklyn, 3980 Main; Queens, 3441 Hunters Point; Richmond, 840 Tompkinsville; Bronx, 3400 Tremont.
Brooklyn, Municipal Building, Brooklyn. Bronx, Tremont and Arthur aves. Queens, Municipal Building, Long Island City. Richmond, Municipal Building, St. George.
William Williams, Commissioner.

BOROUGH OFFICES.

BOROUGH OF THE BRONX.
President's office, 3d ave. and 177th st. Telephone, 2680 Tremont.
Douglas Mathewson, President.

BOROUGH OF BROOKLYN.
President's office, Borough Hall. Telephone, 3960 Main.
Lewis H. Pounds, President.

BOROUGH OF MANHATTAN.
President's office, 20th floor, Municipal Bldg.
Commissioner of Public Works, 21st floor, Municipal Building.
Assistant Commissioner of Public Works, 21st floor, Municipal Building.
Bureau of Highways, 21st floor, Municipal Building.
Bureau of Public Buildings and Offices, 20th floor, Municipal Building.
Bureau of Sewers, 21st floor, Municipal Bldg.
Bureau of Buildings, 20th floor, Municipal Building.
Telephone, 4227 Worth.
Marcus M. Marks, President.

BOROUGH OF QUEENS.
President's office, Borough Hall, Long Island City. Telephone, 5400 Hunters Point.
Bureau of Public Buildings and Offices, Town Hall, Flushing, L. I. Telephone, 1740 Flushing.
Maurice E. Connolly, President.

BOROUGH OF RICHMOND.
President's office, New Brighton, Staten Island. Telephone, 1000 Tompkinsville.
Charles J. McCormack, President.

CORONERS.
Manhattan, Municipal Building—Second Floor. Open at all hours of the day and night. Telephone, Worth 3711.
Bronx, Arthur and Tremont aves. Telephone, 1250 Tremont. 8 a. m. to midnight, every day.
Brooklyn, 236 Duffield st. Telephone, 4004 Main. Open at all hours of the day and night.
Queens, Town Hall, Jamaica, L. I., 9 a. m. to 10 p. m.; Sundays and holidays, 9 a. m. to 12 m.
Richmond, 175 Second st., New Brighton. Open at all hours of the day and night.

COUNTY OFFICES.

Unless otherwise stated, the County offices are open for business from 9 a. m. to 4 p. m.; Saturday, 9 a. m. to 12 noon.

NEW YORK COUNTY.

COUNTY CLERK.
County Court House. Telephone, 5388 Cortlandt.
Wm. F. Schneider, County Clerk.
9 a. m. to 2 p. m. during July and August.

DISTRICT ATTORNEY.
Criminal Courts Building, 9 a. m. to 5.15 p. m.; Saturdays, to 12 m. Telephone, 2304 Franklin.
Charles Albert Perkins, District Attorney.

COMMISSIONER OF JURORS.
280 Broadway. Telephone, 241 Worth.
Thomas Allison, Commissioner.

PUBLIC ADMINISTRATOR.
119 Nassau st. Telephone, 6376 Cortlandt.
William M. Hoes, Public Administrator.

COMMISSIONER OF RECORDS.
Hall of Records. Telephone, 3900 Worth.
John F. Cowan, Commissioner.

REGISTER.
Hall of Records. Telephone, 3900 Worth.
9 a. m. to 2 p. m. during July and August.
John J. Hopper, Register.

SHERIFF.
51 Chambers st. Telephone, 4300 Worth.
New York County Jail, 70 Ludlow st.
Max S. Grifenhagen, Sheriff.

SURROGATES.
Hall of Records. Telephone, 3900 Worth.
John P. Cohalan; Robert Ludlow Fowler, Surrogates.
William Ray De Lano, Chief Clerk.
John F. Curry, Commissioner of Records.

KINGS COUNTY.

COUNTY CLERK.
Hall of Records, Brooklyn. Telephone, 4930 Main.
Charles S. Devoy, County Clerk.

COUNTY COURT.
County Court House, Brooklyn. Court opens at 10 a. m. daily and sits until business is completed. Part I, Room No. 23; Part II, Room No. 10; Part III, Room No. 14; Part IV, Room No. 1, Court House. Clerk's office, Rooms 17, 18, 19 and 22; open daily from 9 a. m. to 5 p. m.; Saturday, to 12 m. Telephone, 4154 Main.
John T. Rafferty, Chief Clerk.

DISTRICT ATTORNEY.
66 Court st., Brooklyn, 9 a. m. to 5.30 p. m.; Saturday, to 1 p. m. Telephone, 2954 Main.
James C. Cropsey, District Attorney.

COMMISSIONER OF JURORS.
381 Fulton st., Brooklyn. Telephone, 1454 Main.
Thomas R. Farrell, Commissioner.

PUBLIC ADMINISTRATOR.
44 Court st., Brooklyn. Telephone, 2840 Main.
Frank V. Kelly, Public Administrator.

COMMISSIONER OF RECORDS.
Hall of Records, Brooklyn. Telephone, 6988 Main.
Edmund O'Connor, Commissioner.

REGISTER.
Hall of Records, Brooklyn. Telephone, 2830 Main.
Edward T. O'Loughlin, Register.

SHERIFF.
46-50 Court st., Brooklyn. Telephone, 6845 Main.
Lewis M. Swasey, Sheriff.

SURROGATE.
Hall of Records, Brooklyn. Court opens at 10 a. m. Telephone, 3954 Main.
Hebert T. Ketcham, Surrogate.
John H. McCooey, Chief Clerk.

BRONX COUNTY.

COUNTY CLERK.
161st st. and 3d ave. Telephone, 9266 Melrose.
James Vincent Ganly, County Clerk.

COUNTY JUDGE.
161st st. and 3d ave. Telephone, 7907 Melrose.
Louis D. Gibbs, County Judge.

DISTRICT ATTORNEY.
161st st. and 3d ave. Telephone, 9200 Melrose.
Francis Martin, District Attorney.

COMMISSIONER OF JURORS.
1932 Arthur ave. Telephone, 3700 Tremont.
John A. Mason, Commissioner.

PUBLIC ADMINISTRATOR.
2808 3d ave. Telephone, 9816 Melrose, 9 a. m. to 5 p. m., Saturday to 12 m.
Ernest E. L. Hammer, Public Administrator.

REGISTER.
1932 Arthur ave. Telephone, 6694 Tremont.
Edward Polak, Register.

SHERIFF.
1932 Arthur ave. Telephone, 6600 Tremont.
James F. O'Brien, Sheriff.

SURROGATE.
161st st. and 3 ave.
George M. S. Schulz, Surrogate.

QUEENS COUNTY.

COUNTY CLERK.
364 Fulton st., Jamaica. Telephone, 151 Jamaica.
Leonard Ruoff, County Clerk.

COUNTY COURT.
County Court House, Long Island City. Telephone, 596 Hunters Point.
Court opens at 10 a. m. Trial Terms begin first Monday of each month, except July, August and September, and on Friday of each week.
Clerk's office opens 9 a. m. to 5 p. m.; Saturdays to 12.30 p. m. Telephone, 551 Jamaica.
Burt Jay Humphrey, County Judge.

DISTRICT ATTORNEY.
County Court House, Long Island City, 9 a. m. to 5 p. m.; Saturday, to 12 m.
County Judge's office always open at 336 Fulton st., Jamaica. Telephone, 3871 Hunters Point.
Denis O'Leary, District Attorney.

COMMISSIONER OF JURORS.
County Court House, Long Island City. Telephone, 963 Hunters Point.
Thorndyke C. McKennee, Commissioner.

PUBLIC ADMINISTRATOR.
302 Fulton st., Jamaica. Telephone, 223 Jamaica.
Randolph White, Public Administrator.

SHERIFF.
County Court House, Long Island City. Telephone, 3766 Hunters Point.
George Emener, Sheriff.

SURROGATE.
364 Fulton st., Jamaica. Telephone, 397 Jamaica.
Daniel Noble, Surrogate.

RICHMOND COUNTY.

COUNTY CLERK.
County Office Building, Richmond. Telephone, 28 New Dorp.
C. Livingston Bostwick, County Clerk.

COUNTY JUDGE AND SURROGATE.
Trial Terms, with Grand and Trial Jury, second Monday of March, first Monday of October.
Trial Terms, with Trial Jury only, first Monday of May, first Monday of December.
Special Terms, Without Jury—Wednesday of each week, except the last week of July, the month of August and the first week of September.

Surrogate's Court.
Monday and Tuesday of each week at the Borough Hall, St. George, and on Wednesday at the Surrogate's Court, at Richmond, except during the session of the County Court. There will be no Surrogate's Court during the month of August.
Surrogate's Court and Office, Richmond, S. I.
Surrogate's Chambers, Borough Hall, St. George.
J. Harry Tiernan, County Judge and Surrogate.

DISTRICT ATTORNEY.
Borough Hall, St. George. Telephone, 50 Tompkinsville, 9 a. m. to 5 p. m.; Saturday, to 12 m.
Albert C. Fach, District Attorney.

COMMISSIONER OF JURORS.
Village Hall, Stapleton. Telephone, 81 Tompkinsville.
Edward I. Miller, Commissioner.

PUBLIC ADMINISTRATOR.
Port Richmond. Telephone, 704 West Brighton.
William T. Holt, Public Administrator.

SHERIFF.
County Court House, Richmond. Telephone, 120 New Dorp.
Joseph F. O'Grady, Sheriff.

THE COURTS.

CITY COURT OF THE CITY OF NEW YORK.
City Hall Park. Special Term Chambers held from 10 a. m. to 4 p. m. Clerk's office open from 9 a. m. to 4 p. m. Telephone, 122 Cortlandt.
Thomas F. Smith, Clerk.

CITY MAGISTRATES' COURT.
First Division.
William McAdoo, Chief City Magistrate, 300 Mulberry st. Telephone, 6213 Spring.
First District—Criminal Court Buildings.
Second District—125 Sixth ave.
Third District—2d ave. and 1st st.
Fourth District—151 E. 57th st.
Fifth District—121st st. and Sylvan place.
Sixth District—162d st. and Washington ave.
Seventh District—314 W. 54th st.
Eighth District—1014 E. 181st st., The Bronx.
Ninth District (Night Court for Females)—125 6th ave.
Tenth District (Night Court for Males)—151 E. 57th st.
Eleventh District (Domestic Relations)—151 E. 57th st.
Thirteenth District (Domestic Relations)—1014 E. 181st st., The Bronx.
Office of the Chief Probation Officer, 300 Mulberry st. Telephone, 8713 Spring.

Second Division.
Borough of Brooklyn.
Office of Chief Magistrate, 44 Court st. Telephone, 7411 Main.
First District—318 Adams st.
Second District—Court and Butler sts.
Fifth District—249 Manhattan ave.
Sixth District—495 Gates ave.
Seventh District—31 Snider ave., Flatbush.
Eighth District—W. 8th st., Coney Island.
Ninth District—5th ave. and 29th st.
Tenth District—133 New Jersey ave.
Domestic Relations—Myrtle and Vanderbilt aves.
William F. Delaney, Chief Clerk.

Borough of Queens.
First District—St. Mary's Lyceum, L. I. City.
Second District—Town Hall, Flushing, L. I.
Third District——Central ave., Far Rockaway.
Fourth District—Town Hall, Jamaica, L. I.

Borough of Richmond.
First District—Lafayette ave., New Brighton.
Second District—Village Hall, Stapleton.
All courts open daily from 9 a. m. to 4 p. m. except on Saturdays, Sundays and legal holidays, when only morning sessions are held.

COURT OF GENERAL SESSIONS.
Criminal Court Building. Court opens at 10.30 a. m. Clerk's office open from 9 a. m. to 4 p. m., and on Saturdays until 12 m.
Edward R. Carroll, Clerk.

MUNICIPAL COURTS.
The Clerks' offices are open from 9 a. m. to 4 p. m.; Saturday, to 12 noon.

Borough of Manhattan.
First District—54-60 Lafayette st. Additional Part is held at southwest corner of 6th ave. and 10th st. Telephone, 6030 Franklin.
Second District—264-266 Madison st. Telephone, 4300 Orchard.
Third District—314 W. 54th st. Telephone, 5450 Columbus.
Fourth District—Parts I and II, 207 E. 32d st. Telephone, 4358 Murray Hill.
Fifth District—Broadway and 96th st. Telephone, 4006 Riverside.
Sixth District—155 E. 88th st.
Seventh District—70 Manhattan st.
Eighth District—121st st. and Sylvan place. Telephone, 3950 Harlem.
Ninth District—Madison ave. and 59th st. Parts I and II. Telephone, 3873 Plaza.

Borough of The Bronx.
First District—Town Hall, 1400 Williamsbridge road, Westchester. Trial of causes, Tuesday and Friday of each week. Telephone, 457 Westchester.
Second District—Washington ave. and 162d st. Telephone, 3043 Melrose.

Borough of Brooklyn.
First District—State and Court sts. Parts I and II. Telephone, 7091 Main.
Second District—495 Gates ave. Telephone, 504 Bedford.
Third District—6 Lee ave. Telephone, 955 Williamsburg.
Fourth District—14 Howard ave.
Fifth District—5220 Third ave. Telephone, 3907 Sunset.
Sixth District—236 Duffield st. Telephone, 6166 Main.
Seventh District—31 Pennsylvania ave. 8.45 a. m. to 4 p. m.; Saturday, 9 a. m. to 12 m. Telephone, 904 East New York.

Borough of Queens.
First District—115 5th st., Long Island City. Telephone, 1420 Hunters Point.
Second District—Broadway and Court st., Elmhurst. Telephone, 87 Newtown.
Third District—1908 Myrtle ave., Glendale. Telephone, 2352 Bushwick.
Fourth District—Town Hall, Jamaica. Telephone, 1654 Jamaica.

Borough of Richmond.
First District—Lafayette ave. and 2d st., New Brighton. Clerk's office open from 8.45 a. m. to 4 p. m. Telephone, 503 Tompkinsville.
Second District—Former Edgewater Village Hall, Stapleton. Clerk's office open from 8.45 a. m. to 4 p. m. Telephone, 313 Tompkinsville.

COURT OF SPECIAL SESSIONS.
Court opens at 10 a. m.
Part I, Criminal Court Building, Manhattan. Telephone, 3983 Franklin.
Part II, 171 Atlantic ave., Brooklyn. Telephone, Main 4280.
Part III, Town Hall, Jamaica. Held on Tuesday of each week. Telephone, 2620 Jamaica.
Part IV, Borough Hall, St. George. Held on Wednesday of each week. Telephone, 324 Tompkinsville.
Part V, 161st st. and 3d ave., Bronx. Held on Thursday of each week. Telephone, 9088 Melrose.
Frank W. Smith, Chief Clerk.

Children's Court.
New York County—66 3d ave. Telephone, 1832 Stuyvesant.
Dennis A. Lambert, Clerk.
Bronx County—355 E. 137th st. Court held on Wednesday and Friday of each week. Telephone, 9092 Melrose.
Michael Murray, Clerk.
Kings County—102 Court st. Telephone, 627 Main.
Joseph W. Duffy, Clerk.
Queens County—19 Flushing ave., Jamaica. Court held on Monday and Thursday of each week. Telephone, 2624 Jamaica.
Sydney Ollendorf, Clerk.
Richmond County — Corn Exchange Bank Building, St. George. Court held on Tuesday of each week. Telephone, 324 Tompkinsville.
William J. Browne, Clerk.

SUPREME COURT—APPELLATE DIVISION.
First Judicial Department.
Madison ave. corner 25th st. Court open from 2 p. m. until 6 p. m. Friday, Motion Day, Court opens at 10.30 a. m. Motions called at 10 a. m. Orders called at 10.30 a. m. Telephone, 3840 Madison Square.
Alfred Wagstaff, Clerk.

Second Judicial Department.
Borough Hall, Brooklyn. Court meets from 2 p. m. to 5 p. m., excepting that on Fridays Court opens at 10 o'clock a. m. Clerk's office open 9 a. m. Telephone, 1392 Main.
John B. Byrne, Clerk.

SUPREME COURT—APPELLATE TERM.
503 Fulton st., Brooklyn. Court meets 10 a. m. Clerk's office opens 9 a. m. Telephone, 7452 Main.
Joseph H. DeBragga, Clerk.

SUPREME COURT—CRIMINAL DIVISION.
Criminal Court Building. Court opens at 10.30 a. m. Clerk's office open from 9 a. m. to 4 p. m.; Saturday, to 12 m. Telephone, 6064 Franklin.
William Schneider, Clerk.

SUPREME COURT—FIRST DEPARTMENT.
County Court House. Court open from 10.15 a. m. to 4 p. m. Telephone, 4580 Cortlandt.

SUPREME COURT—SECOND DEPARTMENT.
Kings County.
Joralemon and Fulton sts., Brooklyn. Clerk's office hours, 9 a. m. to 5 p. m. Seven jury trial parts. Special Term for trials. Special Term for motions. Special Term (ex-parte business). Court opens at 10 a. m. Naturalization Bureau, Hall of Records, Brooklyn. Telephone, 5460 Main.
James F. McGee, General Clerk.

Queens County.
County Court House, L. I. City. Court opens at 10 a. m. Trial and Special Term for motions and ex-parte business each month except July, August and September, in Part I. Trial Term, Part II, January, February, March, April, May and December. Special Term for trials, January, April, June and November. Naturalization, first Friday in each Term.
Clerk's office open 9 a. m. to 5 p. m.; Saturday, to 12.30 p. m. Telephone, 3896 Hunters Point.
Thomas B. Seaman, Special Deputy Clerk in charge.

Richmond County.
Trial Term held at County Court House, Richmond. Special Term for trials held at Court room, Borough Hall, St. George. Special Term for motions held at Court House, Borough Hall, St. George.
C. Livingston Bostwick, Clerk.

BOROUGH OF BROOKLYN.

General Orders.

BUREAU OF BUILDINGS.

GENERAL ORDER No. 33.

THE PRODUCT OF THE POLETTO MARble Company, Inc., 37-43 Moultrie Street, Brooklyn, known as "Venetian Granite," is hereby approved for use in the Borough of Brooklyn, under Article 2, Sec. 27, of the Code, for general use as artificial stone in sills, lintels, quoins, facias, stoop rails, balustrades, etc., or features of an ornamental character, with the understanding that the manufacturers shall be responsible for the character of all work performed with this material, and that the commercial product shall at all times equal the test now on file in this Bureau, failing in which this approval will be canceled or revoked.

j16 P. J. CARLIN, Superintendent.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at Room 2, Borough Hall, until 11 o'clock A. M. on

WEDNESDAY, JUNE 23, 1915,

NO. 1. FOR FURNISHING ALL LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING COMPLETE THE HEATING EQUIPMENT OF THE SEWAGE PUMPING STATION, SECTION 2A OF SANITARY OUTLET SEWERS, STORM OUTLET SEWERS AND THE FORCE MAIN IN AVENUE "V," BETWEEN THE WESTERLY LINE OF WEST 11TH STREET AND THE EASTERLY LINE OF WEST 10TH STREET, TOGETHER WITH ALL SANITARY OUTLET SEWERS, STORM OUTLET SEWERS AND THE FORCE MAIN AND THE SEWAGE PUMPING STATION, AND ALL ADJUNCTS AND APPURTENANCES WITHIN THE PARCEL OF LAND BETWEEN WEST 10TH STREET AND WEST 11TH STREET, AND BETWEEN AVENUE "V" AND A LINE PARALLEL THEREWITH AND 200 FEET SOUTHERLY THEREFROM.

THE WORK TO BE PERFORMED AND MATERIALS TO BE SUPPLIED ARE AS FOLLOWS:

FURNISHING AND DELIVERING ALL LABOR AND MATERIALS OF EVERY KIND AND DESCRIPTION AND CONSTRUCTING COMPLETE THE HEATING EQUIPMENT OF THE SEWAGE PUMPING STATION, INCLUDING THE SUPERSTRUCTURE OF THE PUMP WELL, SCREEN AND GRIT CHAMBER, ON THE SOUTHERLY SIDE OF AVENUE "V" BETWEEN WEST 10TH STREET AND WEST 11TH STREET, BOROUGH OF BROOKLYN, CITY OF NEW YORK.

The time allowed for the completion of the work and the full performance of the contract will be sixty (60) working days.

The amount of security required will be Fifteen hundred dollars ($1,500.00).

NO. 2. FOR FURNISHING ALL LABOR AND MATERIAL REQUIRED FOR CONSTRUCTING COMPLETE ALL PLUMBING, GAS PIPING AND FITTINGS FOR THE SEWAGE PUMPING STATION, SECTION 2B OF SANITARY OUTLET SEWERS, STORM OUTLET SEWERS AND THE FORCE MAIN IN AVENUE "V" BETWEEN THE WESTERLY LINE OF WEST 11TH STREET AND THE EASTERLY LINE OF WEST 10TH STREET, TOGETHER WITH ALL SANITARY OUTLET SEWERS, STORM OUTLET SEWERS AND THE FORCE MAIN AND THE SEWAGE PUMPING STATION, AND ALL ADJUNCTS AND APPURTENANCES WITHIN THE PARCEL OF LAND BETWEEN WEST 10TH STREET AND WEST 11TH STREET, AND BETWEEN AVENUE "V" AND A LINE PARALLEL THEREWITH AND 200 FEET SOUTHERLY THEREFROM.

THE WORK TO BE PERFORMED AND MATERIALS TO BE SUPPLIED ARE AS FOLLOWS:

FURNISHING AND DELIVERING ALL LABOR AND MATERIALS OF EVERY KIND AND DESCRIPTION AND ERECTING AND CONSTRUCTING COMPLETE ALL PLUMBING, GAS PIPING AND FITTINGS FOR THE SEWAGE PUMPING STATION, INCLUDING THE SUPERSTRUCTURE OF THE PUMP WELL, SCREEN AND GRIT CHAMBER, ON THE SOUTHERLY SIDE OF AVENUE "V," BETWEEN WEST 10TH STREET AND WEST 11TH STREET, BOROUGH OF BROOKLYN, CITY OF NEW YORK.

The time allowed for the completion of the work and the full performance of the contract will be sixty (60) working days.

The amount of security required will be One thousand dollars ($1,000.00).

The bids will be compared and the contracts will be awarded at a lump or aggregate sum for each contract.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Bureau of Sewers, 215 Montague Street, Borough of Brooklyn.

L. H. POUNDS, President.

Dated June 8, 1915. j11,23

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF MANHATTAN.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Manhattan, at Room 2032, Municipal Building, until 2 o'clock p. m., on

MONDAY, JUNE 28, 1915,

NO. 1. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 38TH STREET FROM WEST SIDE PARK AVENUE TO THE EAST SIDE MADISON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

10 cu. yds. of Earth Excavation for sewer appurtenances.
10 cu. yds. of Rock Excavation for sewer appurtenances.
10 cu. yds. Backfilling in excavation for sewer appurtenances.
520 lin. ft. New 5-inch Bluestone Curbstone, furnished and set.
280 lin. ft. Old Bluestone Curb, redressed, rejointed and reset.
10 sq. ft. of Concrete Sidewalk, Class A.
280 cu. yds. Concrete.
1,380 sq. yds. Sheet Asphalt Pavement.
40 sq. yds. Sheet Asphalt Pavement in Approaches.
2 Sewer Manhole Heads.
3 Covers for Sewer Manholes.
1 Ring for Sewer Manhole.
3 cu. yds. of Brick Masonry.
1 Sluice Basin, Type A.
1 Sluice Basin, Type B.
40 lin. ft. 12-inch Vitrified Pipe.
1,000 ft. B. M. Planking on Concrete.

The time allowed for the full completion of the work herein described will be sixteen (16) consecutive working days.

The amount of security required will be $1,200, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 2. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF 62D STREET FROM WEST SIDE COLUMBUS AVENUE TO THE EAST SIDE OF AMSTERDAM AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

10 cu. yds. Earth Excavation for sewer appurtenances.
10 cu. yds. Rock Excavation for sewer appurtenances.
10 cu. yds. Backfilling in excavation for sewer appurtenances.
1,480 lin. ft. New 5-inch Bluestone Curbstone, furnished and set.
160 lin. ft. Old Bluestone Curbstone, redressed, rejointed and reset.
10 sq. ft. Concrete Sidewalk, Class A.
540 cu. yds. Concrete.
2,700 sq. yds. Sheet Asphalt Pavement.
60 sq. yds. Granite Block Pavement in Approaches.
4 Sewer Manhole Heads.
3 Covers for Sewer Manholes.
4 Rings for Sewer Manholes.
3 cu. yds. Brick Masonry.
15,000 Old Paving Blocks to be removed by Contractor to Corporation Yard, West 30th Street.
1 Sluice Basin, Type A.
2 Sluice Basins, Type B.
50 lin. ft. Vitrified Pipe, 12-inch Diam.
1,000 ft. B. M. Planking on Concrete.

The time allowed for the full completion of the work herein described will be twenty-eight (28) consecutive working days.

The amount of security required will be $2,500 and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 3. FOR REGULATING AND REPAVING WITH SHEET ASPHALT ON A CONCRETE FOUNDATION THE ROADWAY OF WEST END AVENUE FROM SOUTH SIDE 91ST STREET TO SOUTH SIDE 96TH STREET, AND 95TH STREET FROM WEST SIDE BROADWAY TO WEST END AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

60 cu. yds. of Earth Excavation for sewer appurtenances.
60 cu. yds. Rock Excavation for sewer appurtenances.
60 cu. yds. Backfilling in excavation for sewer appurtenances.
1,050 lin. ft. New 5-inch Bluestone Curbstone, furnished and set.
710 lin. ft. New 6-inch Granite Curbstone, furnished and set.
420 lin. ft. New 6-inch Granite Corner Curbstone.
1,250 lin. ft. Old Bluestone Curb, redressed, rejointed and reset.
50 sq. ft. Concrete Sidewalk, Class A.
1,520 cu. yds. Concrete.
8,050 sq. yds. Sheet Asphalt Pavement.
80 sq. yds. Sheet Asphalt Pavement in approaches.
50 sq. yds. Granite Block Pavement in Approaches.
11 Sewer Manhole Heads.
14 Covers for Sewer Manholes.
3 Rings for Sewer Manholes.
3 cu. yds. Brick Masonry.
2 Receiving Basins remodeled.
4 Sluice Basins, Type A.
10 Sluice Basins, Type B.
230 lin. ft. 12-inch diam. Vitrified Pipe.
1,000 ft. B. M. Planking on Concrete.

The time allowed for the full completion of the work herein described will be thirty-five (35) consecutive working days.

The amount of security required will be $6,000, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 4. FOR REGULATING AND REPAVING WITH GRANITE BLOCK PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF 36TH STREET FROM WEST SIDE TENTH AVENUE TO EAST SIDE ELEVENTH AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

10 cu. yds, of Earth Excavation for sewer appurtenances.
10 cu. yds. of Rock Excavation for sewer appurtenances.
10 cu. yds. of Backfilling in excavation for sewer appurtenances.
1,230 lin. ft. of New 5-inch Bluestone Curbstone, furnished and set.
200 lin. ft. Old Curb, redressed, rejointed and reset.
10 sq. ft. Concrete Sidewalk, Class A.
530 cu. yds. Concrete.
2,750 sq. yds. Granite Block Pavement.
5 Sewer Manhole Heads.
7 Covers for Sewer Manholes.
2 Rings for Sewer Manholes.
3 cu. yds. Brick Masonry.
1 Sluice Basin, Type A.
1 Sluice Basin, Type B.
35 lin. ft. Vitrified Pipe, 12-inch diam.
1,000 ft. B. M. Planking on Concrete.

The time allowed for the full completion of the work herein described will be thirty (30) consecutive working days.

The amount of security required will be $3,500, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

NO. 5. FOR REGULATING AND REPAVING WITH GRANITE BLOCK PAVEMENT ON A CONCRETE FOUNDATION THE ROADWAY OF AMSTERDAM AVENUE FROM NORTH SIDE 63D STREET TO THE SOUTH SIDE 68TH STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

Engineer's Estimate of the Amount of Work to be Done.

70 cu. yds. of Earth Excavation for sewer appurtenances.
60 cu. yds. of Rock Excavation for sewer appurtenances.
60 cu. yds. of Backfilling in excavation for sewer appurtenances.
1,590 lin. ft. of New 5-inch Bluestone Curbstone, furnished and set.
340 lin. ft. of New 6-inch Granite Corner Curbstone.
530 lin. ft. Old Bluestone Curb, redressed, rejointed and reset.
10 sq. ft. Concrete Sidewalk, Class A.
1,170 cu. yds. Concrete outside of Railroad Area.
6,300 sq. yds. Granite Block Pavement outside of R. R. area.
20 sq. yds. of Sheet Asphalt Pavement in Approaches.
4 Sewer Manhole Heads.
6 Covers for Sewer Manholes.
2 Rings for Sewer Manholes.
3 cu. yds. of Brick Masonry.
7 Receiving Basins remodeled.
30,000 Old Stone Blocks to be removed by contractor to Corporation Yards at 30th Street and Twelfth Avenue and 56th Street and Twelfth Avenue.
4 Sluice Basins, Type A.
10 Sluice Basins, Type B.
190 lin. ft. Vritrified Pipe, 12-inch diam.
3,000 ft. B. M. Planking on concrete.

Work in Railroad Area.

280 cu. yds. Concrete.
2,240 sq. yds. Granite Block Pavement.

The time allowed for the full completion of the work herein described will be forty-five (45) consecutive working days.

The amount of security required will be $10,000, and the amount of deposit accompanying the bid shall be five (5) per cent. of the amount of security.

The bidder must deposit with the Borough President, on or before the time of making his bid, samples and affidavit, or the letter in regard to samples and affidavit, as required by the specifications.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure or articles, by which the bids will be tested. The extensions must be made and footed up.

Blank forms and specifications may be had at the office of the Commissioner of Public Works, Bureau of Highways, Room 2124, Municipal Building, Borough of Manhattan.

MARCUS M. MARKS, President.
June 16th, 1915. j16,28

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF CORRECTION.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at Room 2400, Municipal Building, Manhattan, until 11 o'clock a. m., on

WEDNESDAY, JUNE 16, 1915,

FURNISHING AND DELIVERING 600 BARRELS FLOUR NO. 1. 1,800 BARRELS FLOUR NO. 2.

The time for the completion of the contract is by or before July 31st, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

The bidder will state the price for each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the totals and awards made to the lowest bidder on each item.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Delivery will be required to be made at the time and in the manner and in such quantities as stated in the specification.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, Municipal Building, New York City.

KATHARINE BEMENT DAVIS, Commissioner. j5,16

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at Room 2400, Municipal Building, Manhattan, until 11 o'clock a. m., on

WEDNESDAY, JUNE 16, 1915,

FURNISHING AND DELIVERING DRY GOODS, TIN, PAINTS AND OIL.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before July 31st, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the totals and awards made to the lowest bidder on each item.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, Municipal Building, New York City.

KATHARINE BEMENT DAVIS, Commissioner. j5,16

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at Room 2400, Municipal Building, Manhattan, until 11 o'clock a. m., on

WEDNESDAY, JUNE 16, 1915,

FURNISHING AND DELIVERING 40,000 SQUARE FEET BLACK FLESH SPLITS, B. GRADE.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before July 31st, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

The bidder will state the price for each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the totals and awards made to the lowest bidder on this item.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, Municipal Building, New York City.

KATHARINE BEMENT DAVIS, Commissioner. j5,16

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BELLEVUE AND ALLIED HOSPITALS, DEPARTMENT OF PUBLIC CHARITIES, DEPARTMENT OF CORRECTION AND DEPARTMENT OF HEALTH.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by Bellevue and Allied Hospitals, Department of Public Charities, Department of Correction and Department of Health, at Room 1230, Municipal Building, Borough of Manhattan, City of New York, until 12 o'clock noon on

FRIDAY, JUNE 18, 1915,

FOR FURNISHING AND DELIVERING BUTTER, CHEESE.

The time for the performance of the contract is on or before Sept. 30, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

No bid will be considered unless it is accompanied by a deposit, which shall be in the form of money, or a certified check upon one of the State or National Banks of The City of New York, drawn to the order of the Comptroller, or corporate stock or certificates of indebtedness of any nature issued by The City of New York and approved by the Comptroller as of equal value to the security required. Such deposit shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The bidder will state the price per pound, dozen or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read and awards, if made, made to the lowest bidder on each line or class, as stated in the specifications.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Blank forms and further information may be obtained at Room 1226, Municipal Building, Borough of Manhattan.

BOARD OF TRUSTEES, BELLEVUE AND ALLIED HOSPITALS, JOHN W. BRANNAN, M. D., President.
DEPARTMENT OF PUBLIC CHARITIES, JOHN A. KINGSBURY, Commissioner.
DEPARTMENT OF CORRECTION, KATHARINE BEMENT DAVIS, Commissioner.
DEPARTMENT OF HEALTH, S. S. GOLDWATER, M. D., Commissioner. j8,18

☞See General Instructions to Bidders on last page, last column, of the "City Record," except for the address of the office for receiving and opening bids.

SEALED BIDS OR ESTIMATES WILL BE received by Bellevue and Allied Hospitals, Department of Public Charities, Department of Correction and Department of Health, at Room 1230, Municipal Building, Borough of Manhattan, City of New York, until 12 o'clock M. on

FRIDAY, JUNE 18, 1915,

FOR FURNISHING AND DELIVERING CANNED GOODS AND GROCERIES.

The time for the performance of the contract is during the three months ending Sept. 30, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

No bid will be considered unless it is accompanied by a deposit, which shall be in the form of money, or a certified check upon one of the State or National Banks of The City of New York, drawn to the order of the Comptroller, or corporate stock or certificates of indebtedness of any nature issued by The City of New York and approved by the Comptroller as of equal value to the security required. Such deposit shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The bidder will state the price per pound, gallon, dozen or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read and awards, if made, made to the lowest bidder on each line or class, as stated in the specifications.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Blank forms and further information may be obtained at Room 1226, Municipal Building, Borough of Manhattan.

BOARD OF TRUSTEES, BELLEVUE AND ALLIED HOSPITALS, JOHN W. BRANNAN, M. D., President.
DEPARTMENT OF PUBLIC CHARITIES, JOHN A. KINGSBURY, Commissioner.
DEPARTMENT OF CORRECTION, KATHARINE BEMENT DAVIS, Commissioner.
DEPARTMENT OF HEALTH, S. S. GOLDWATER, M. D., Commissioner. j8,18

☞See General Instructions to Bidders on last page, last column, of the "City Record," except for the address of the office for receiving and opening bids.

BELLEVUE AND ALLIED HOSPITALS, DEPARTMENT OF CORRECTION, DEPARTMENT OF DOCKS AND FERRIES, FIRE DEPARTMENT, POLICE DEPARTMENT, DEPARTMENT OF PUBLIC CHARITIES AND DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by Bellevue and Allied Hospitals, Dept. of Correction, Dept. of Docks and Ferries, Fire Dept., Police Dept., Dept. of Public Charities and Dept. of Water Supply, Gas and Electricity at Room 1230, Municipal Building, Borough of Manhattan, City of New York, until 12 o'clock M. on

FRIDAY, JUNE 18, 1915,

FOR FURNISHING AND DELIVERING LUBRICANTS AND KEROSENE.

The time for the performance of the contract is during the period ending Dec. 31, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

No bid will be considered unless it is accompanied by a deposit, which shall be in the form of money, or a certified check upon one of the State or National Banks of The City of New York, drawn to the order of the Comptroller, or corporate stock or certificates of indebtedness of any nature issued by The City of New York and approved by the Comptroller as of equal value to the security required. Such deposit shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The bidder will state the price per pound, gallon or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read and awards, if made, made to the lowest bidder on each class, as stated in the specifications.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Blank forms and further information may be obtained at Room 1226, Municipal Building, Borough of Manhattan.

BOARD OF TRUSTEES, BELLEVUE AND ALLIED HOSPITALS, JOHN W. BRANNAN, M. D., President.
DEPARTMENT OF CORRECTION, KATHARINE BEMENT DAVIS, Commissioner.
DEPARTMENT OF DOCKS AND FERRIES, R. A. C. SMITH, Commissioner.
FIRE DEPARTMENT, ROBERT ADAMSON, Commissioner.
POLICE DEPARTMENT, A. WOODS, Commissioner.
DEPARTMENT OF PUBLIC CHARITIES, JOHN A. KINGSBURY, Commissioner.
DEPARTMENT OF WATER SUPPLY, GAS & ELECTRICITY, WILLIAM WILLIAMS, Commissioner. j8,18

☞See General Instructions to Bidders on last page, last column, of the "City Record," except for the address of the office for receiving and opening bids.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity, Room 2351, Municipal Building, Manhattan, until 2 o'clock p. m., on

FRIDAY, JUNE 18, 1915,

Boroughs of Manhattan and The Bronx.

FOR ALTERATIONS AND IMPROVEMENTS TO BUILDING NO. 1192 FULTON AVENUE, BOROUGH OF THE BRONX, FOR CONVERTING SAME INTO A DISTRIBUTION STATION.

SECTION I—FOR ALL MASON WORK, STEEL AND IRON WORK, SHEET METAL WORK, CARPENTER WORK, ROOFING, GLAZING AND PAINTING.

SECTION II—FOR ALL PLUMBING AND GAS FITTING.

SECTION III—FOR ALL STEAM HEATING WORK.

The time allowed for doing and completing the entire work will be Fifty (50) consecutive working days on Section I; Twenty-five (25) consecutive working days on Section II; Fifteen (15) consecutive working days on Section III.

The security required will be Twenty-five Hundred Dollars ($2,500) on Section I; Four Hundred Dollars ($400) on Section II; One Hundred Dollars ($100) on Section III.

The bidder will state the price of work or supplies contained in the specifications or schedule, by which the bids will be tested. Bids will be received for each section singly or for all sections, but in comparing the bids, the bids for each section will be compared separately and the contract awarded by sections to the lowest formal bidder in a lump or aggregate sum.

Blank forms of bid, proposals and contract, including specifications, approved as to form by the Corporation Counsel, can be obtained at Room 2351 in the Municipal Building, Manhattan, New York City.

Dated New York, June 7, 1915.

j8,18 WILLIAM WILLIAMS, Commissioner.

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOROUGH OF THE BRONX.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of The Bronx, at his office, Municipal Building, Crotona Park, 177th St. and 3rd Ave., until 10.30 a. m., on

THURSDAY, JUNE 24, 1915,

NO. 1. FOR PAVING WITH GRANITE BLOCKS AND SHEET ASPHALT ON A CONCRETE FOUNDATION, THE ROADWAY OF FORDHAM ROAD FROM WEBSTER AVENUE TO HARLEM RIVER TERACE, AND SETTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO (PERMANENT PAVEMENT).

The Engineer's estimate of the work is as follows:

11,400 square yards of Sheet Asphalt Pavement (heavy traffic mixture), outside of railroad area, and keeping the pavement in repair for five years from date of acceptance.
1,050 square yards of Sheet Asphalt Pavement (heavy traffic mixture), in railroad area.
19,200 square yards of Granite Block Pavement, outside of railroad area, and keeping the pavement in repair for one year from date of acceptance.
1,600 square yards of Granite Block Pavement, in railroad area.
5,850 cubic yards of Class B Concrete.
100 linear feet of New Curb.
200 linear feet of Old Curb.

The time allowed for the full completion of the work herein described will be 125 consecutive working days.

The amount of security required will be Forty-eight Thousand ($48,000) Dollars.

NO. 2. FOR PAVING WITH BITUMINOUS CONCRETE ON A CEMENT CONCRETE FOUNDATION THE ROADWAY OF EAST 172D STREET, FROM BOSTON ROAD TO SEABURY PLACE, ADJUSTING CURB WHERE NECESSARY, TOGETHER WITH ALL WORK INCIDENTAL THERETO (PRELIMINARY PAVEMENT).

The Engineer's estimate of the work is as follows:

1,165 square yards of Bituminous Concrete Pavement, and keeping the pavement in repair for five years from date of acceptance.
130 cubic yards of Class B Concrete.
700 linear feet of Curbstone, adjusted.

The time allowed for the full completion of the work herein described will be 25 consecutive working days.

The amount of security required will be Seven Hundred and Fifty ($750) Dollars.

NO. 3. CONSTRUCTING SEWER AND APPURTENANCES IN WEST 236TH STREET BETWEEN BROADWAY AND THE WESTERLY LINE OF THE RIGHT OF WAY OF THE NEW YORK AND PUTNAM RAILROAD, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

357 linear feet of Vitrified Pipe Sewer, 24-inch.
23 linear feet of Vitrified Pipe Sewer, 18-inch.
6 linear feet of Vitrified Pipe Sewer, 15-inch.
25 linear feet of Vitrified Pipe Drains, 12-inch to 24-inch.
40 Spurs for House Connections.
55 linear feet of Risers.
4 Manholes.
10 cubic yards of Rock Excavation.
140 cubic yards of Concrete, Class B.
40 cubic yards of Concrete, Class C.
7,000 pounds of Steel Reinforcement Bars.
4,000 feet (B. M.) of Timber.
3,000 feet (B. M.) of Timber Sheeting.
2,700 linear feet of Piles.

The time allowed for the full completion of the work herein described will be 90 consecutive working days.

The amount of security required will be Two Thousand ($2.000) Dollars.

NO. 4. CONSTRUCTING SEWER AND APPURTENANCES IN TYNDALL AVENUE, BETWEEN MOSHOLU AVENUE AND A POINT ABOUT 265 FEET NORTH OF WEST 260TH STREET, AND REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES WHERE NECESSARY, FROM MOSHOLU AVENUE TO ABOUT 73.12 FEET NORTH OF WEST 260TH STREET, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the work is as follows:

4,700 cubic yards of Earth Excavation.
1,250 cubic yards of Rock Excavation, in trenches.
11,500 cubic yards of Rock Excavation, above subgrade of street.
13,800 cubic yards of Filling.
2,080 linear feet of New Curb.
4,410 square feet of New Bluestone Flagging.
4,810 square feet of Concrete Sidewalk.
450 square feet of New Bridgestone.
800 cubic yards of Dry Rubble Masonry.
50 cubic yards of Concrete, Class C.
1,000 feet (B. M.) of Timber Sheeting.
420 linear feet of Vitrified Pipe Sewer, 30-inch.
882 linear feet of Vitrified Pipe Sewer, 12-inch.
70 linear feet of Basin Connections.
100 linear feet of Vitrified Pipe Drains, 12-inch.
177 spurs for House Connections.
13 Manholes.
3 Receiving Basins, Type C.
975 linear feet of Guard Rail.

The time allowed for the completion of the work herein described will be 200 consecutive working days.

The amount of security required will be Seventeen Thousand ($17,000) Dollars.

Blank forms of bids or estimates upon which bids must be made can be obtained upon application therefor, the plans and specifications may be seen and other information obtained at said office. DOUGLAS MATHEWSON, President. j11,24

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF DOCKS AND FERRIES.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at Pier "A," foot of Battery Place, North River, Manhattan, until twelve o'clock noon on

FRIDAY, JUNE 25, 1915,

Borough of Manhattan.

CONTRACT NO. 1453.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR DREDGING FOR THE RIVERSIDE PARK IMPROVEMENT, WEST 87TH TO WEST 93RD STREETS, NORTH RIVER, BOROUGH OF MANHATTAN.

The time for the completion of the work and the full performance of the contract is on or before the expiration of thirty (30) calendar days.

The amount of security required is $2,700.00.

The bidder shall state, both in writing and in figures, a price per cubic yard for doing all of the work called for. The contract, if awarded, will be awarded to the bidder whose price per cubic yard is the lowest for doing all of the work and whose bid is regular in all respects.

In case of discrepancy between the written price and that given in figures, the price in writing will be considered as the bid.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the said Department.

R. A. C. SMITH, Commissioner of Docks.
Dated June 11, 1915. j14,25

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at Pier "A," foot of Battery Place, North River, Manhattan, until 12 o'clock noon on

FRIDAY, JUNE 18, 1915,

Borough of Brooklyn.

CONTRACT NO. 1209.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR PREPARING FOR AND BUILDING A NEW PIER AT THE FOOT OF 30TH STREET, IN THE BOROUGH OF BROOKLYN, TO BE KNOWN AS THE 30TH STREET PIER.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 150 calendar days for the inshore half of the pier, and 250 calendar days for the entire pier.

The amount of security required is $78,000.00.

The bidder shall state, both in writing and in figures, a price for furnishing all of the labor and material, and for doing all of the work called for in classes 1 and 2, and he shall also state a total price for the whole work described and specified, as the contract is entire and for a complete job, and, if awarded, will be awarded to the bidder whose price is lowest for doing all the work and whose bid is regular in all respects. In case of discrepancy between the written price and that given in figures, the price in writing will be considered as the bid.

Work must be done at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the said Department.

R. A. C. SMITH, Commissioner of Docks.
Dated June 4th, 1915. j7,18

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at his office, Pier "A," foot of Battery Place, North River, until 12 o'clock noon on

WEDNESDAY, JUNE 16, 1915,

CONTRACT NO. 1452, ITEM 2.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING ICE.

The time for the completion of the work and

the full performance of the contract is on or before the expiration of 150 calendar days.

The amount of security required shall be thirty (30) per cent. of the total amount for which the contract is awarded.

The security deposit to accompany bid shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

Award, if made, will be made to the lowest bidder in the item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

R. A. C. SMITH, Commissioner of Docks.

Dated June 2, 1915. j4,16

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at his office, foot of Battery Place, North River, Borough of Manhattan, until 12 o'clock noon, on

WEDNESDAY, JUNE 16, 1915,

CONTRACT NO. 1456.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR FURNISHING AND DELIVERING ABOUT 1,445,808 FEET, BOARD MEASURE, OF SAWED NEW YELLOW PINE LUMBER.

The time for the completion of the work and the full performance of the contract is on or before the expiration of one hundred and twenty calendar days.

The amount of security required shall be thirty (30) per cent. of the total amount for which the contract is awarded.

The security deposit to accompany bid shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The contract, if awarded, will be awarded to the bidder whose price per thousand feet, board measure, is the lowest for furnishing all of the lumber called for and whose bid is regular in all respects.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the said Department.

R. A. C. SMITH, Commissioner of Docks.

Dated June 2, 1915. j4,16

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOARD OF ELECTIONS.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Elections of The City of New York, at its General Office, Room 1840, Municipal Building, Borough of Manhattan, City of New York, until 12 m. on

TUESDAY, JUNE 22, 1915,

FOR FURNISHING AND DELIVERING ASSEMBLY AND MUNICIPAL COURT DISTRICT MAPS.

The time for the performance of the contract for the delivery of maps is thirty (30) calendar days.

The amount of security required is Three Thousand ($3,000.00) Dollars.

The bids will be compared and the contract awarded "in aggregate for all items."

Delivery will be required to be made at the several Borough Offices in The City of New York at the time and in the manner and in such quantities as called for in the specifications.

Blank forms and other information may be obtained and samples may be seen at the office of the Board of Elections of The City of New York, Room 1840, Municipal Building, Borough of Manhattan.

EDWARD F. BOYLE, MOSES M. McKEE, JAMES KANE, JACOB A. LIVINGSTON, Commissioners of Elections.

S. HOWARD COHEN, Chief Clerk.

Dated New York, June 10, 1915. j11,22

☞See General Instructions to Bidders on last page, last column, of the "City Record."

MUNICIPAL CIVIL SERVICE COMMISSION.

Proposed Amendments to Classifications.

PUBLIC NOTICE IS HEREBY GIVEN OF the following proposed amendments to the Municipal Civil Service Classification:

1. By striking from the Exempt Class, under the heading "Bureau of Buildings in Each Borough," the following:

2 *Chief Inspectors in Manhattan.*

2 *Chief Inspectors in Brooklyn.*

Chief Inspector in The Bronx, Richmond and Queens.

2. By striking from the Exempt Class, under the heading "Tenement House Department," the title,

3 *Chief Inspectors.*

A PUBLIC HEARING WILL BE ALLOWED, in accordance with Rule III, at the request of any interested persons, at the Commission's offices in the Municipal Building, Room 1443, on

THURSDAY, JUNE 17, 1915,

at 10.30 A. M.

j15,17 ROBERT W. BELCHER, Secretary.

Proposed Amendment to Rules.

PUBLIC NOTICE IS HEREBY GIVEN OF the proposed amendment of Rule XXI, clause 2, to read as follows:

2. All payrolls shall, before transmission to the Comptroller or other fiscal officer of the city, bear the certificate of the Commission that the persons whose names appear thereon have been appointed or employed or promoted in pursuance of the Civil Service Law and of these rules. Such payrolls shall in each case be duly verified and if it appears that any person whose name is borne thereon has been appointed or employed, or continued in employment, in any manner contrary to the provisions of law or of these rules, such certification, in the case of such person, shall be denied.

The certificate herein required shall be attached by such employes of the Commission as the Commission shall, by resolution, designate therefor.

A PUBLIC HEARING WILL BE ALLOWED, in accordance with Rule III, at the request of any interested persons, at the Commission's offices in the Municipal Building, Room 1443, on

WEDNESDAY, JUNE 16, 1915,

at 10:30 A. M.

j14,16 ROBERT W. BELCHER, Secretary.

Notices of Examinations.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, from

TUESDAY, JUNE 15, 1915, TO TUESDAY, JUNE 29, 1915,

for the position of

GARDENER (TEMPORARY WORK).

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. TUESDAY, JUNE 29, 1915, will be accepted. Application blanks will be mailed upon request, provided a self-addressed stamped envelope or sufficient postage is enclosed to cover the mailing. The Commission will not guarantee the delivery of the same. *Applications forwarded by mail upon which full postage is not prepaid will not be accepted.*

Applicants must be citizens of the United States and residents of the State of New York.

Candidates should have had practical experience in the various branches of gardening. Each candidate will be tested as to his practical knowledge of pruning, planting, seeding, the naming of plants and the use of gardening implements.

The subjects and weights of the examination are: Experience, 4; Duties, 3; Practical test, 3. A percentage of 70 is required in each subject.

A physical qualifying examination will be given.

Applications for this examination must be filed on a special blank, Form B. Experience blanks will be issued with the applications, and must be filed with the Commission at the time of filing applications. The experience paper will then be rated. Candidates receiving less than 70% on the Experience will not be summoned for the Physical examination. Candidates failing to pass the Physical examination will not be summoned for the Practical examination. Candidates failing to pass the Practical examination will not be summoned for the Mental examination.

The time and place for holding the physical and mental examinations and the practical test will be announced later.

Vacancies for Gardener occur from time to time in the various city parks. There are a number of vacancies for temporary appointment.

The names of persons who give satisfactory temporary service will be placed upon an eligible list for further temporary employment. This list will be certified for such employment before certification is made from any other list.

The usual salary is $2.00 and $3.00 per day. The minimum age is 21 years.

The requirement of paragraph 12 of Rule VII, that no person who has entered any examination for appointment to a competitive position and failed, or who has withdrawn from an examination, shall be admitted within nine months from the date of such examination to a new examination for the same position, is waived for this examination.

Persons who filed applications between May 4, 1915, and May 18, 1915, need not file applications for this examination.

j15,29 R. W. BELCHER, Secretary.

Amended Notice.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, from

THURSDAY, JUNE 10, 1915, TO THURSDAY, JUNE 24, 1915,

for the position of

FOREMAN OF MECHANICS, GRADE 3.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. THURSDAY, JUNE 24, 1915, will be accepted. Application blanks will be mailed upon request provided a self-addressed stamped envelope or sufficient postage is enclosed to cover the mailing. The Commission will not guarantee the delivery of the same. *Applications forwarded by mail upon which full postage is not prepaid will not be accepted.*

Applicants must be citizens of the United States and residents of the State of New York.

The subjects and weights of the examination are: Experience, 5; 70% required; Duties, 5; 70% required. 70% general average required.

A physical qualifying examination will be given.

Candidates who receive less than 70% on Experience will not be summoned for the Physical examination. Those failing in the Physical examination will not be summoned for the Mental.

Applications for this examination are to be filed on a special blank, Form C. Experience blanks will be issued with the applications and must be filed with the Commission at the time of filing applications.

Duties: To inspect and supervise repairs to heating, plumbing and all mechanical systems in buildings; to direct cleaners, laborers, roofers, painters, etc., in the same; and to estimate supplies and equipment for given requirements.

Requirements: As prerequisite an experiepce of at least five years as Foreman of Carpenters, Plumbers, Tinners, Bricklayers, Painters or Steam Fitters; or as Inspector of Buildings—construction or equipment; or as Superintendent in charge of maintenance of buildings; or as Engineer in charge of equipment; or any other experience equivalent to the above.

Credit will be given on experience to those holding certificates of Trade Schools covering subjects related to the above.

As the duties of the position involve specific knowledge of the several trades involved in the repairs to buildings, the mental examination on DUTIES will test the candidates on bricklaying, masonry, carpentry, painting, roofing and piping for steam, water or sanitation.

There is one vacancy in the Bureau of Repairs and Supplies, Police Department; salary, $1,500 per annum; and one in the Department of Parks, Borough of Manhattan, at $1,800 per annum. Age limits, 25 to 50 years.

Certification will be made from the resulting eligible list to the position of Foreman of Mechanics, Grade 2.

Candidates who have already filed applications for examination for Foreman of Mechanics, Grade 2, need not file further applications for this examination.

j10,24 R. W. BELCHER, Secretary.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, from

THURSDAY, JUNE 10, 1915, TO THURSDAY, JUNE 24, 1915,

for the position of

MEDICAL INSPECTOR, GRADE 2.

No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. THURSDAY, JUNE 24, 1915, will be accepted. Application blanks will be mailed upon request provided a self-addressed stamped envelope or sufficient postage is enclosed to cover the mailing. The Commission will not guarantee the delivery of the same. *Applications forwarded by mail upon which full postage is not prepaid will not be accepted.*

Applicants must be citizens of the United States and residents of the State of New York. Candidates must be licensed to practice medicine in the State of New York.

The subjects and weights are: Oral, 2; 70% required; Experience, 4; 70% required; Technical, 4; 75% required.

A physical qualifying examination will be given.

Candidates failing to qualify in any part of the examination will not be summoned for the ensuing tests.

Applications for this examination must be filed on a special blank, Form C. Experience blanks will be issued with the applications and must be filed with the Commission at the time of filing applications.

DUTIES:

Candidates will be required to devote eighteen hours a week to the work of Medical Inspector. They will be assigned mainly to the public schools, to the Bureau of Child Hygiene and to the Bureau of Contagious Diseases in the Department of Health. They will also act as Visiting Physician at hospitals where there are no visiting staffs.

Part time medical inspectors on field duty and subject to call at any time during the day or night are required to devote an average of three hours to their duty every working day, in all instances the average being based on the weekly report.

Medical Inspectors on duty as visiting physicians at hospitals where there are no visiting staffs are required to devote to their duties an average of two hours a day, seven days in the week.

Requirements: One year's experience as interne in a hospital.

Age limits—21 to 50. Usual salary, $1,200 per annum. There are no vacancies at the present time.

j10,24 ROBERT W. BELCHER, Secretary.

PURSUANT TO SECTION 722 OF THE Greater New York Charter, as amended, public notice is hereby given that applications will be received from

THURSDAY, JUNE 3, 1915, UNTIL THURSDAY, JUNE 17, 1915,

for the position of—

FIREMAN, FIRE DEPARTMENT.

The examination is limited to members of volunteer fire companies throughout the Woodhaven section of the Borough of Queens.

No application delivered at the office of the Commission, by mail or otherwise, after 4 P. M. THURSDAY, JUNE 17, 1915, will be accepted.

The subjects and weights of the examination are as follows: Physical development and strength, 50 per cent.; mental test, 50 per cent. Mental test: Memory test, 3. Arithmetic, 2; Government and elementary duties, 5. 70% required on mental examination; 70% required on physical development; 70% required on strength; 70% required on all.

A candidate to be eligible for appointment must obtain an average of not less than 70 per cent. on the mental test and 70% on the physical development and strength. Candidates who obtain an average of over 80% on physical development and strength and a final average of 75% shall also be eligible for appointment.

Applications will be received from persons who are twenty-one (21) years of age on or before the date of the mental examination. Applications will not be received from persons who are more than twenty-nine (29) years of age on the date of filing applications.

Applicants will be required to submit with their applications a transcript of the records of the Bureau of Vital Statistics, showing the date of birth, or, in lieu thereof, an authenticated transcript from the records of the church in which they were baptized, or other satisfactory proof.

All foreign born applicants will be required to submit evidence of citizenship; naturalization papers should be attached to applications.

Applicants must not be less than 5 feet 7 inches in height.

Applicants will be notified later of the date of the physical examination.

The mental examination will be held on Thursday, July 15, 1915.

Applicants must be citizens of the United States and residents of the State of New York.

Application blanks will be mailed upon request provided a self-addressed stamped envelope or proper postage accompanies the request, but the Commission will not guarantee the delivery of the same. *Applications forwarded by mail upon which postage is not fully prepaid will not be accepted.*

j3,17 ROBERT W. BELCHER, Secretary.

DEPARTMENT OF EDUCATION.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the office of the Department of Education, Park Avenue and 59th Street, Manhattan, until eleven o'clock A. M., on

MONDAY, JUNE 28, 1915,

Borough of Brooklyn.

NO. 1:—FOR ALTERATIONS AND REPAIRS TO HEATING AND VENTILATING APPARATUS IN PUBLIC SCHOOLS 15, 23, 47, 132 AND 142, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work on each school will be sixty (60) working days, as provided in the contract.

The amount of security required is as follows: P. S. 15, $6,000; P. S. 23, $6,000; P. S. 47, $600; P. S. 132, $1,000; P. S. 142, $600.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

On No. 1 the bidders must state the price of each item, by which the bids will be tested. Award of contract will be made to the lowest bidder on each item.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent, at Estimating Room, 9th floor, Hall of the Board of Education, Park Avenue and 59th Street, Borough of Manhattan, and also at Branch Office, No. 131 Livingston Street, Borough of Brooklyn.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated, JUNE 16, 1915. j16,28

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the office of the Department of Education, Park Avenue and 59th Street, Manhattan, until eleven o'clock A. M., on

MONDAY, JUNE 28, 1915,

Borough of The Bronx.

NO. 2:—FOR ALTERATIONS, REPAIRS, ETC., AT PUBLIC SCHOOLS 10, 40 AND MORRIS HIGH SCHOOL, BOROUGH OF THE BRONX.

The time allowed to complete the whole work on each school will be fifty-five (55) working days, as provided in the contract.

The amount of security required is as follows: P. S. 10, $1,400; P. S. 40, $700; M. H. S., $1,200.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

Borough of Manhattan.

NO. 3:—FOR ADDITIONS, ALTERATIONS AND REPAIRS TO THE ELECTRIC EQUIPMENT IN PUBLIC SCHOOLS 5, 46, 68, 103, 159 AND 186, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be thirty (30) working days for P. S. 46, 68 and 103; and forty-five (45) working days for P. S. 5, 159 and 186, as provided in the contract.

The amount of security required is as follows: P. S. 5, $3,000; P. S. 46, $300; P. S. 68, $100; P. S. 103, $200; P. S. 159, $500; P. S. 186, $1,600.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

Borough of Queens.

NO. 4:—FOR ALTERATIONS AND REPAIRS TO HEATING AND VENTILATING APPARATUS IN PUBLIC SCHOOLS 1, 4, 6, 7, 34, 78 AND 89, BOROUGH OF QUEENS.

The time allowed to complete the whole work on each school will be sixty (60) working days, as provided in the contract.

The amount of security required is as follows: P. S. 1, $200; P. S. 4, $300; P. S. 6, $500; P. S. 7, $200; P. S. 34, $600; P. S. 78, $100; P. S. 89, $700.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

NO. 5:—FOR IMPROVING THE SANITARY CONDITION, ETC., AT PUBLIC SCHOOLS 37 AND 48, BOROUGH OF QUEENS.

The time allowed to complete the whole work on each school will be forty (40) working days, as provided in the contract.

The amount of security required is as follows: P. S. 37, $1,200; P. S. 48, $1,400.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

Borough of Richmond.

NO. 6:—FOR ALTERATIONS, REPAIRS, ETC., AT PUBLIC SCHOOL 1, SUMMIT STREET, TOTTENVILLE, BOROUGH OF RICHMOND.

The time allowed to complete the whole work will be fifty-five (55) working days, as provided in the contract.

The amount of security required is Six Hundred Dollars ($600).

The deposit accompanying bid shall be five per centum of the amount of security.

NO. 7:—FOR MOVING TO A NEW LOCATION, ETC., OLD PUBLIC SCHOOL 8, AT THE INTERSECTION OF LINDENWOOD AVENUE AND SCHOOL STREET, ABOUT 450 FEET SOUTHERLY FROM THE AMBOY ROAD, GREAT KILLS, BOROUGH OF RICHMOND.

The time allowed to complete the whole work will be sixty (60) working days, as provided in the contract.

The amount of security required is Twenty-five Hundred Dollars ($2,500).

The deposit accompanying bid shall be five per centum of the amount of security.

Various Boroughs.

NO. 8:—FOR INSTALLING FORCED DRAFT APPARATUS IN MORRIS HIGH SCHOOL AND PUBLIC SCHOOLS 3, 4, 25, 27, 28, 44, 45, 46 AND 47, BOROUGH OF THE BRONX, AND IN MANUAL TRAINING HIGH SCHOOL AND PUBLIC SCHOOLS 83, 126, 144, 145 AND 150, BOROUGH OF BROOKLYN, AND IN PUBLIC SCHOOLS 40, 77 AND 81, BOROUGH OF QUEENS.

The time allowed to complete the whole work on each school will be sixty (60) working days, as provided in the contract.

The amount of security required is as follows:

The Bronx: M. H. S., $300; P. S. 3, $600; P. S. 4, $400; P. S. 25, $400; P. S. 27, $500; P. S. 28, $600; P. S. 44, $300; P. S. 45, $300; P. S. 46, $300; P. S. 47, $300.

Brooklyn: M. T. H. S., $400; P. S. 83, $200; P. S. 126, $400; P. S. 144, $400; P. S. 145, $400; P. S. 150, $400.

Queens: P. S. 40, $400; P. S. 77, $300; P. S. 81, $400.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

On Nos. 2, 3, 4, 5 and 8 the bidders must state the price of each item, by which the bids will be tested. Award of contract will be made to the lowest bidder on each item.

On Nos. 6 and 7 the bids will be compared and the contract will be awarded in a lump sum to the lowest bidder on each contract.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent, at Estimating Room, 9th floor, Hall of the Board of Education, Park Avenue and 59th Street, Borough of Manhattan, and also at Branch Offices, No. 69 Broadway, Flushing, Borough of Queens, and Borough Hall, New Brighton, Borough of Richmond.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated, JUNE 16, 1915. j16,28

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies at the office of the Department of Education, Park ave. and 59th st., Borough of Manhattan, until 11 A. M., on

FRIDAY, JUNE 25, 1915,

FOR FURNISHING AND DELIVERING FLOOR DRESSING DIRECT TO THE SCHOOLS OF THE CITY OF NEW YORK, BOROUGHS OF MANHATTAN, THE BRONX, BROOKLYN, QUEENS AND RICHMOND, FOR THE YEAR ENDING DECEMBER 31, 1915.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before December 31, 1915.

The amount of security required is thirty (30%) of the amount of the contract.

The bidder will state the price of each item or article contained in the specifications and schedules herein contained or hereto annexed, by which the bids will be tested. Award will be made to the lowest bidder whose sample is equal to the Board sample submitted for inspection.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Bids must be submitted in duplicate, each in a separate envelope.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Board of Education, southwest corner of Park ave. and 59th st.

PATRICK JONES, Superintendent of School Supplies.

Dated, June 14, 1915. j14,25

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the office of the Department of Education, Park Avenue and 59th Street, Manhattan, until eleven o'clock A. M., on

MONDAY, JUNE 21, 1915,

Borough of Brooklyn.

NO. 1:—FOR ALTERATIONS, REPAIRS, ETC., AT PUBLIC SCHOOLS 2, 10 AND MANUAL TRAINING HIGH SCHOOL, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work on each school will be fifty-five (55) working days, as provided in the contract.

The amount of security required is as follows: P. S. 2, $2,000; P. S. 10, $1,000; M. T. H. S., $1,000.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

NO. 2:—FOR ALTERATIONS, REPAIRS, ETC., AT PUBLIC SCHOOL 33, HEYWARD STREET, NEAR BROADWAY, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be fifty-five (55) working days, as provided in the contract.

The amount of security required is Fourteen Hundred Dollars ($1,400).

The deposit accompanying bid shall be five per centum of the amount of security.

NO. 3:—FOR ALTERATIONS, REPAIRS, ETC., AT PUBLIC SCHOOL 103, 14TH AVENUE, 53RD AND 54TH STREETS, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be fifty-five (55) working days, as provided in the contract.

The amount of security required is Three Hundred Dollars ($300).

The deposit accompanying bid shall be five per centum of the amount of security.

NO. 4:—FOR ALTERATIONS, REPAIRS, ETC., AT PUBLIC SCHOOL 119, AVENUE K, EAST 38TH AND 39TH STREETS, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be fifty-five (55) working days, as provided in the contract.

The amount of security required is Eight Hundred ($800) Dollars.

The deposit accompanying bid shall be five per centum of the amount of security.

NO. 5:—FOR ALTERATIONS, REPAIRS, ETC., AT AUBURN PLACE SITE, ON AUBURN PLACE, BETWEEN NORTH ELLIOTT PLACE AND NORTH PORTLAND AVENUE, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work will be fifty-five (55) working days, as provided in the contract.

The amount of security required is Eight Hundred Dollars ($800).

On No. 1 the bidders must state the price of each item, by which the bids will be tested. Award of contract will be made to the lowest bidder on each item.

On Nos. 2, 3, 4 and 5 the bids will be compared and the contract will be awarded in a lump sum to the lowest bidder on each contract.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent, at Estimating Room, 9th floor, Hall of the Board of Education, Park Avenue and 59th Street, Borough of Manhattan, and also at Branch Office, No. 131 Livingston Street, Borough of Brooklyn.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated, JUNE 9, 1915. j9,21

☞See General Instructions to Bidders on last page last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the office of the Department of Education, Park Avenue and 59th Street, Manhattan, until eleven o'clock A. M., on

MONDAY, JUNE 21, 1915,
Borough of The Bronx.

NO. 6:—FOR ADDITIONS, ALTERATIONS AND REPAIRS TO THE ELECTRIC EQUIPMENT IN PUBLIC SCHOOLS 10, 15, 17, 25, 26, 27, 33, 43, AND MORRIS HIGH SCHOOL, BOROUGH OF THE BRONX.

The time allowed to complete the whole work on each school will be forty (40) working days, as provided in the contract.

The amount of security required is as follows: P. S. 10, $300; P. S. 15, $300; P. S. 17, $500; P. S. 25, $300; P. S. 26, $100; P. S. 27, $200; P. S. 33, $300; P. S. 43, $100; M. H. S., $400.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

NO. 7:—FOR ITEM 1, INSTALLING HEATING AND VENTILATING APPARATUS, AND ITEM 2, INSTALLING TEMPERATURE REGULATION IN NEW PUBLIC SCHOOL 55, ON THE SOUTHERLY SIDE OF ST. PAUL'S PLACE, BETWEEN PARK AND WASHINGTON AVENUES, BOROUGH OF THE BRONX.

The time allowed to complete the whole work on each item will be two hundred (200) working days, as provided in the contract.

The amount of security required is as follows: Item 1, $28,000; Item 2, $2,000.

The deposit accompanying bid on each item shall be five per centum of the amount of security.

A separate proposal must be submitted for each item and award will be made thereon.

Borough of Manhattan.

NO. 8:—FOR INSTALLING FORCED DRAFT APPARATUS IN PUBLIC SCHOOLS 1, 10, 21, 27, 90, 96, 109, 119, 159, 165, 168, 171, 179, 184 AND 188, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work on each school will be sixty (60) working days, as provided in the contract.

The amount of security required is as follows: P. S. 1, $400; P. S. 10, $400; P. S. 21, $400; P. S. 27, $500; P. S. 90, $500; P. S. 96, $400; P. S. 109, $400; P. S. 119, $400; P. S. 159, $500; P. S. 165, $400; P. S. 168, $500; P. S. 171, $500; P. S. 179, $400; P. S. 184, $500; P. S. 188, $600.

The deposit accompanying bid on each school shall be five per centum of the amount of security.

A separate proposal must be submitted for each school and award will be made thereon.

NO. 9:—FOR SANITARY ALTERATIONS, REPAIRS, ETC., AT PUBLIC SCHOOL 5, EDGECOMB AVENUE, 140TH AND 141ST STREETS, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be forty (40) working days, as provided in the contract.

The amount of security required is Three Hundred Dollars ($300).

The deposit accompanying bid shall be five per centum of the amount of security.

NO. 10:—FOR ALTERATIONS AND REPAIRS TO HEATING AND VENTILATING APPARATUS IN PUBLIC SCHOOL 121, ON 102ND AND 103RD STREETS, WEST OF 2ND AVENUE, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be sixty (60) working days, as provided in the contract.

The amount of security required is Three Hundred Dollars ($300).

The deposit accompanying bid shall be five per centum of the amount of security.

Borough of Richmond.

NO. 11:—FOR ALTERATIONS AND ADDITIONS TO THE ELECTRIC EQUIPMENT IN CURTIS HIGH SCHOOL, HAMILTON AVENUE AND ST. MARK'S PLACE, NEW BRIGHTON, BOROUGH OF RICHMOND.

The time allowed to complete the whole work will be thirty (30) working days, as provided in the contract.

The amount of security required is Eight Hundred Dollars ($800).

The deposit accompanying bid shall be five per centum of the amount of security.

On Nos. 6, 7 and 8 the bidders must state the price of each item, by which the bids will be tested. Award of contract will be made to the lowest bidder on each item.

On Nos. 9, 10 and 11 the bids will be compared and the contract will be awarded in a lump sum to the lowest bidder on each contract.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent, at Estimating Room, 9th floor, Hall of the Board of Education, Park Avenue and 59th Street, Borough of Manhattan, and also at Branch Office, Borough Hall, New Brighton, Borough of Richmond.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated, June 9, 1915. j9,21

☞See General Instructions to Bidders on last page, last column, of the "City Record."

HUNTER COLLEGE, BOARD OF TRUSTEES, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings, at the Hall of the Board of Education, corner of Park Avenue and 59th Street, Borough of Manhattan, until eleven o'clock A. M., on

MONDAY, JUNE 21, 1915,

FOR NEW SIDEWALKS, COPINGS, FENCES, YARD PAVEMENTS AND STEPS AT HUNTER COLLEGE, ON THE WESTERLY SIDE OF LEXINGTON AVENUE, BETWEEN 68TH AND 69TH STREETS, BOROUGH OF MANHATTAN.

The time allowed to complete the whole work will be thirty (30) working days, as provided in the contract.

The amount of security required is Six Hundred Dollars ($600).

The deposit accompanying bid shall be five per centum of the amount of security.

Bids will be compared and the contract will be awarded in a lump sum to the lowest bidder.

Blank forms, plans and specifications may be obtained or seen at the office of the Superintendent of School Buildings, at Estimating Room, 9th floor, Hall of the Board of Education, Park Avenue and 59th Street, Borough of Manhattan.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated, June 9, 1915. j9,21

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies, at the office of the Department of Education, Park ave. and 59th st., Manhattan, until 11 A. M., on

MONDAY, JUNE 21, 1915,

FOR RENTAL OF PIANOS FOR USE IN THE VACATION PLAYGROUNDS IN THE BOROUGHS OF MANHATTAN, THE BRONX, BROOKLYN AND RICHMOND, DEPARTMENT OF EDUCATION, CITY OF NEW YORK.

The time for furnishing and delivering the materials will be July 1, 1915, and for the completion of the work and the full performance of the contract is by or before August 21, 1915, as provided in the contract.

The amount of the security required is thirty (30%) per cent. of the amount of the contract.

The bidder will state the price of each item or article contained in the specifications and schedules herein contained or hereto annexed, by which the bids will be tested. Award will be made to the lowest bidder on each item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Bids must be submitted in duplicate, each in a separate envelope.

Blank forms and further information may be obtained at the office of the Superintendent of School Supplies, Board of Education, Borough of Manhattan, southwest corner of Park ave. and 59th st.

PATRICK JONES, Superintendent of School Supplies.

Dated, June 9, 1915. j9,21

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF PARKS.

Sale of Privileges.

SEALED BIDS WILL BE RECEIVED BY the Park Commissioner at the office of the Department of Parks, Municipal Building, Borough of Manhattan, until eleven o'clock on

MONDAY, JUNE 21, 1915,

FOR THE DONKEY PRIVILEGE AT THE MALL AND ON THE WALK NORTH OF THE ARSENAL IN CENTRAL PARK.

Each bidder shall make his bid for the amount of monthly rental.

The period of time, should the contract be let, will expire on December 31st, 1915.

No bids will be considered unless accompanied by a certified check or money to the amount of Two Hundred (200) Dollars.

The bids will be compared and the privilege will be awarded to the highest responsible bidder.

The Commissioner reserves the right to reject all bids.

The form of proposal and full information as to bidding can be obtained at the office of the Department of Parks, Municipal Building, 10th Floor, Centre Street, New York City.

CABOT WARD, Commissioner of Parks, Manhattan and Richmond. j9,21

SEALED BIDS WILL BE RECEIVED BY the Park Commissioner at the office of the Department of Parks, Municipal Building, Borough of Manhattan, until eleven o'clock on

MONDAY, JUNE 21, 1915,

FOR THE PRIVILEGE OF SELLING NEWSPAPERS AND MAGAZINES FROM A PORTABLE STAND LOCATED IN PARK PROPERTY AT 60TH ST. AND BROADWAY.

Each bidder shall make his bid for the amount of monthly rental.

The period of time, should the contract be let, will expire on December 31st, 1915.

No bids will be considered unless accompanied by a certified check or money to the amount of Fifty Dollars.

The bids will be compared and the privilege will be awarded to the highest responsible bidder.

The Commissioner reserves the right to reject all bids.

The form of proposal and full information as to bidding can be obtained at the office of the Department of Parks, Municipal Building, 10th Floor, Centre Street, New York City.

CABOT WARD, Commissioner of Parks, Manhattan and Richmond. j9,21

☞See General Instructions to Bidders on last page, last column, of the "City Record."

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the office of the Department of Parks, Municipal Building, Borough of Manhattan, until 3 o'clock P. M. on

THURSDAY, JUNE 24, 1915,
Borough of Brooklyn.

NO. 1. FURNISHING AND DELIVERING LIMESTONE SCREENINGS TO PROSPECT PARK.

NO. 2. FURNISHING AND DELIVERING TRAP ROCK TO OCEAN PARKWAY AND AVENUE P.

NO. 3. FURNISHING AND DELIVERING COW BAY SAND AND GRAVEL TO PROSPECT PARK AND THE GRAVEL PIT, OCEAN PARKWAY AND AVENUE P.

The time allowed for the completion of each contract will be thirty days.

The amount of security required will be thirty (30%) per cent. of the amount for which the contract will be awarded.

A deposit of one and one-half (1½%) per cent. of the total amount of bid must accompany estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Borough of Brooklyn, Litchfield Mansion, Prospect Park West and Fifth Street, Prospect Park, Brooklyn.

CABOT WARD, President; RAYMOND V. INGERSOLL, THOMAS W. WHITTLE, JOHN E. WEIER, Commissioners of Parks. j12,24

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the office of the Department of Parks, Municipal Building, Borough of Manhattan, until three o'clock P. M. on

THURSDAY, JUNE 17, 1915,
Borough of Manhattan.

FOR FURNISHING AND DELIVERING FRESH BEEF FOR THE CENTRAL PARK MENAGERIE.

The time allowed for the completion of these contracts will be until Sept. 30, 1915.

The amount of security required is thirty (30%) per cent. of the amount for which the contract will be awarded.

A deposit of not less than one and one-half (1½%) per cent. of the total amount of the bid must accompany the estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Bids must be submitted in duplicate.

Blank forms may be obtained at the office of the Department of Parks, Borough of Manhattan, 10th floor, Municipal Building, Centre & Chambers Sts.

CABOT WARD, President; RAYMOND V. INGERSOLL, THOMAS W. WHITTLE, JOHN E. WEIER, Commissioners of Parks. j5,17

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS WILL BE RECEIVED BY the Park Board at Room 1230, Municipal Building, Borough of Manhattan, until three o'clock P. M. on

THURSDAY, JULY 8, 1915,
Boroughs of Manhattan and Richmond, The Bronx and Brooklyn.

FOR FURNISHING AND DELIVERING FLOWERING BULBS IN PARKS IN THE ABOVE NAMED BOROUGHS.

The time for the performance of the contract is until December 15, 1915.

The amount of security required is thirty (30) per cent. of the amount of the bid or estimate.

No bid will be considered unless it is accompanied by a deposit, which shall be in the form of money, or a certified check upon one of the State or National Banks of The City of New York, drawn to the order of the Comptroller, or corporate stock or certificates of indebtedness of any nature issued by The City of New York and approved by the Comptroller as of equal value to the security required. Such deposit shall be in an amount not less than one and one-half (1½) per cent. of the total amount of the bid.

The bidder will state the price per M. or other designated unit, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read and awards, if made, made to the lowest bidder on the total for the class, as stated in the specifications.

Bids must be submitted in duplicate, each in a separate envelope. No bid will be accepted unless this provision is complied with.

Blank forms and further information may be obtained at Room 1226, Municipal Building, Borough of Manhattan.

CABOT WARD, President; THOMAS W. WHITTLE, RAYMOND V. INGERSOLL, JOHN E. WEIER, Park Commissioners. j8,jy8

☞See General Instructions to Bidders on last page, last column, of the "City Record," except for the address of the office for receiving and opening bids.

DEPARTMENT OF FINANCE.

Sales of Tax Liens.

Notice of Sale of Tax Liens of the City of New York, for Unpaid Taxes, Water Rents and Assessments for Local Improvements upon Lands and Tenements within that part of the City of New York now known and described as the Borough of Manhattan, Affecting Property as shown on the Tax Map of said City for said Borough of Manhattan, and also for Unpaid Taxes on the Real Estate of Corporations and Taxes on the Special Franchises of Corporations Affecting Poperty of certain Corporations and Individuals within the said Borough of Manhattan.

THE CITY OF NEW YORK, DEPARTMENT OF FINANCE, BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS OF TAXES AND ASSESSMENTS, MUNICIPAL BUILDING, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

Under the direction of Hon. William A. Prendergast, Comptroller of the City of New York, I, Daniel Moynahan, Collector of Assessments and Arrears, hereby give public notice, pursuant to the provisions of Chapter 17, Title 5 of the Greater New York Charter:

That the respective owners of the lands and tenements in the Borough of Manhattan, in the City of New York, as said lands and tenements are shown upon the Tax Map of said City for said Borough, on which any taxes or any assessment for local improvements have been imposed and become a lien and have remained unpaid for three years since the same were due and payable, or on which any water rent has been imposed and become a lien and has remained due and unpaid for four years since the same was due and payable, and also corporations and individuals as owners of certain lands or certain special franchises within the Borough of Manhattan on which taxes on the real estate of corporations, or taxes on the special franchises of corporations have been imposed and become a lien and have remained unpaid for three years since the same were due and payable, are required to pay the amount of said taxes, assessments and water rents, *together with all unpaid taxes, water rents and assessments affecting such lands and tenements which became a lien and were due and payable prior to March fifteenth, nineteen hundred and fifteen* (the taxes, water rents and assessments for local improvements required to be paid, thus comprising all unpaid taxes and water rents affecting said properties contained in assessment rolls down to and including the assessment roll of the City of New York for the year nineteen hundred and fourteen and all assessments for local improvements affecting said properties confirmed and entered up to March fifth, nineteen hundred and fifteen, inclusive) with all penalties thereon remaining unpaid, together with the interest thereon at the rate provided by law from the time the same became liens so as to be due and payable to the date of payment and the charges of this notice and advertisement to the Collector of Assessments and Arrears, at his office on the third floor of the Municipal Building, situate at Centre Street, Duane Street and Park Row, Borough of Manhattan, in the City of New York.

And notice is hereby given that if default be made in such payment the lien of the City of New York upon any of said lands and tenements for any tax, assessment or water rent which became a lien so as to be due and payable before March fifteenth, nineteen hundred and fifteen, will be sold at Public Auction in Room 512, Fifth Floor, Municipal Building, Borough of Manhattan, in the City of New York, on

THURSDAY, AUGUST 26, 1915,

at two o'clock in the afternoon of that day, for the lowest rate of interest, not exceeding twelve per centum per annum, at which any person or persons shall offer to take the same in consideration of advancing the said taxes, water rents and assessments and penalties, as the case may be, and interest thereon as aforesaid to the time of sale, the charges of notice and advertisement and all other costs and charges accrued thereon; and that such sale will be continued from time to time until all said liens for taxes, water rents and assessments for local improvements so advertised for sale affecting such lands and tenements shall be sold.

The transfer of tax lien to be executed and delivered to the purchaser thereof pursuant to the terms of said sale shall be subject to the lien for and the right of the City of New York to collect and receive all taxes, water rents and assessments for local improvements and penalties and interest thereon which accrued and became a lien, or which shall accrue and become a lien upon said premises so as to be due and payable on and after the date stated in the first advertisement of said sale as stated herein, namely, the fifteenth day of March, nineteen hundred and fifteen (i. e., the lien for and right of the City of New York to collect and receive all taxes and water rents, included in the assessment rolls of the City of New York for the years subsequent to nineteen hundred and fourteen, and assessments for local improvements entered subsequent to March fifth, nineteen hundred and fifteen).

Notice is hereby further given that a particular and detailed statement of the property affected showing section or ward, block and lot number thereof as the same may be on the Tax Map of the City of New York for the Borough of Manhattan and the tax liens thereon which are to be sold, is published in a pamphlet and that copies thereof are deposited in the office of the Collector of Assessments and Arrears in the Borough of Manhattan and will be delivered to any person applying for the same.

DANIEL MOYNAHAN, Collector of Assessments and Arrears of the City of New York.

Dated, New York, May 5, 1915.

This notice applies to arrears as of March 15, 1915.

m5,12,19,26,j2,9,16,23,30,jy7,14,21,28,a4,11,18,25

NOTICE OF CONTINUATION OF THE BROOKLYN TAX SALE.

THE SALE OF THE LIENS FOR UNPAID Taxes, assessments and water rents in the Borough of Brooklyn, as to liens remaining unsold at the termination of the sales of July 15, September 9, October 7, November 4 and December 2, 1914, January 13, February 17, April 17 and May 19, 1915, has been continued to

WEDNESDAY, JUNE 16, 1915,

at 2:30 P. M., pursuant to Section 1028 of the Greater New York Charter, and will be continued at that time in Room 2 in the basement of the Borough Hall, Brooklyn, N. Y.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. j4,16

Interest on City Bonds and Stock.

THE INTEREST DUE JULY 1, 1915, ON REGistered bonds and stock of The City of New York, and of former corporations now included therein, will be paid on that day by the Comptroller at his office (Room 853) in the Municipal Building at Chambers and Centre Streets, in the Borough of Manhattan.

The interest due July 1, 1915, on the coupon bonds of the late City of Brooklyn will be paid on that day by the Nassau National Bank of Brooklyn, 26 Court st., in the Borough of Brooklyn.

The interest due on July 1, 1915, on coupon bonds of former corporations now included in The City of New York, except the late City of Brooklyn and the former County of Queens, will be paid on that day at the office of the Guaranty Trust Co. of New York, 140 Broadway, Borough of Manhattan.

The coupons that are payable on July 1, 1915, for interest on bonds issued by the former County of Queens will be paid on that day at the Queens County Bank, Branch of the Corn Exchange Bank, Borden ave. and Front st., Long Island City.

The books for the transfer of bonds and stock on which interest is due on July 1, 1915, will be closed from June 15, 1915, to July 1, 1915.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, June 1st, 1915. j1,jy1

Corporation Sales of Buildings.

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of The Bronx, public notice is hereby given that the Commissioners of the Sinking Fund, by virtue of the powers vested in them by law, will offer for sale by sealed bids certain encroachments standing upon property owned by The City of New York, acquired by it for street opening purposes in the

Borough of The Bronx.

BEING the buildings, parts of buildings, etc., standing within the lines of Bronx Boulevard, from Gun Hill Road to East 233rd Street, in the Borough of The Bronx, which are more particularly described on a certain map on file in the office of the Collector of City Revenue, Department of Finance, Room 368, Municipal Building, Borough of Manhattan.

PURSUANT to a resolution of the Commissioners of the Sinking Fund, adopted at a meeting held May 19, 1915, the sale by sealed bids, at the upset or minimum prices named in the description of each parcel of the above buildings and appurtenances thereto, will be held by direction of the Comptroller on

WEDNESDAY, JUNE 16, 1915,

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 96: Two-story frame building, one-story frame building, shed, outhouse and runway on the north side of Gun Hill Road at Bronx Boulevard. Upset price, $10.00.

PARCEL NO. 108: Part of five two-story frame houses on the west side of Bronx Boulevard, 300 feet north of Flower Street. Cut 35

feet on north and south sides. Upset price, $100.00.

PARCEL NO. 118: Part of two-story frame double house on the west side of Bronx Boulevard, 225 feet north of 2nd Street. Cut 37.5 feet on north and south sides. Upset price, $50.00.

PARCEL NO. 119: Two and one-half story frame house No. 3729 Bronx Boulevard. Upset price, $25.00.

PARCEL NO. 141: Part of two-story frame refrigerator factory No. 3821 Bronx Boulevard. Cut 44.1 feet on north and south sides. Upset price, $150.00.

PARCEL NO. 143: One and one-half story frame house No. 3847 Bronx Boulevard. Upset price, $10.00.

PARCEL NO. 155: One and one-half story frame house on the southwest corner of Bronx Boulevard and East 224th Street. Upset price, $10.00.

PARCEL NO. 158: One and one-half story frame house on the northwest corner of Bronx Boulevard and East 224th Street. Upset price, $10.00.

PARCEL NO. 159: Two and one-half story frame house and extension No. 3965 Bronx Boulevard. Upset price, $10.00.

PARCEL NO. 163: One and one-half story frame house No. 3993 Bronx Boulevard. Upset price, $10.00.

PARCEL NO. 164: Part of two two-story frame flats No. 3995-3997 Bronx Boulevard. Cut 41 feet on north and south sides. Upset price, $50.00.

PARCEL NO. 166: Two two and one-half story frame houses at the northwest corner of Bronx Boulevard and East 226th Street. Upset price, $25.00.

PARCEL NO. 167: Two and one-half story frame house with two extensions and part of stable No. 4011 Bronx Boulevard. Upset price, $25.00.

PARCEL NO. 169: Two and one-half story frame house and part of extension No. 4023 Bronx Boulevard. Upset price, $50.00.

PARCEL NO. 170: Two and one-half story frame house, one-story barn and part of two-story barn, 60 feet north of Parcel No. 169. Upset price, $25.00.

PARCEL NO. 173: Two-story frame house No. 4043 Bronx Boulevard. Upset price, $10.00.

PARCEL NO. 185: Part of one and one-half story frame house and part of glass forcing house on the west side of Bronx Boulevard, about 350 feet south of East 232nd Street. Upset price, $10.00.

SPECIAL CONDITIONS: If any of these buildings are removed from their present location without being previously demolished, they must not be relocated within a distance of 300 feet from the Bronx Boulevard or the Bronx River Parkway Reservation upon penalty of the forfeiture to The City of New York of any building so relocated. The foundation walls of the buildings are to be removed to the level of the surrounding ground, and the material taken from these walls is to be placed in the cellars of the buildings from which it is removed.

Sealed bids (blank forms of which may be obtained upon application) will be received by the Comptroller at the office of the Collector of City Revenue, Room 368, Municipal Building, Borough of Manhattan, until 11.00 a. m. on the 16th day of June, 1915, and then publicly opened for the sale for removal of the above-described buildings and appurtenances thereto, and the award will be made to the highest bidder within twenty-four hours, or as soon as possible thereafter.

Each parcel must be bid for separately and will be sold in its entirety, as described in above advertisement.

Each and every bid must be accompanied by a deposit of cash or certified check in a sum equal to 25 per cent. of the amount of the bid, except that a minimum deposit of $50 will be required with all bids, and that a deposit of $500 will be sufficient to entitle bidders to bid on any or all of the buildings.

Deposits of unsuccessful bidders will be returned within twenty-four hours after successful bidders have paid purchase price in full and given security, and those of successful bidders may be declared forfeited to The City of New York by the Comptroller upon the failure of the successful bidder to further comply with the requirements of the terms and conditions of the sale as set forth hereinafter.

Successful bidders will be required to pay the purchase money and deposit the required security within twenty-four hours of the receipt of notification of the acceptance of their bids.

The Comptroller reserves the right to reject any and all bids and to waive any defects or informalities in any bid should it be deemed in the interest of The City of New York to do so.

All bids must state clearly (1) the number or description of the building or buildings bid for, (2) the amount of the bid, (3) the full name and address of the bidder.

All bids must be inclosed in properly sealed envelopes, marked "Proposals to be opened June 16, 1915," and must be delivered, or mailed in time for their delivery, prior to 11 a. m. of that date to the "Collector of City Revenue, Room 368, Municipal Building, New York City," from whom any further particulars regarding the buildings to be disposed of may be obtained.

THE BUILDINGS WILL BE SOLD FOR IMMEDIATE REMOVAL ONLY, SUBJECT TO THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS ISSUE OF THE "CITY RECORD."

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, May 20, 1915. m29,j16

Sureties on Contracts.

UNTIL FURTHER NOTICE SURETY COMpanies will be accepted as sufficient upon the following contracts to the amounts named:

Supplies of Any Description, Including Gas and Electricity.

One company on a bond up to $50,000.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated January 1, 1914.

Construction.

One company on a bond up to $25,000.

Including regulating, grading, paving, sewers, maintenance, dredging, construction of parks, parkways, docks, buildings, bridges, tunnels, aqueducts, repairs, heating, ventilating, plumbing, etc., etc.

When such company is authorized to write that amount as per letter of Comptroller to the surety companies, dated January 1, 1914.

Asphalt, Asphalt Block and Wood Block Pavements.

Two companies will be required on any and every bond up to amount authorized by letter of Comptroller to the surety companies, dated January 1, 1914.

January 1, 1914.

WILLIAM A. PRENDERGAST, Comptroller.

Confirmation of Assessments.

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following named avenue in the BOROUGH OF QUEENS:

SECOND WARD.

ALSTYNE AVENUE—OPENING, from Card place to Radcliff street. Confirmed April 10, 1915; entered June 10, 1915. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the prolongation of a line midway between Alstyne avenue and Lurting street, as these streets are laid out west of Junction avenue, distant 100 feet westerly from the westerly line of Card place, the said distance being measured at right angles to Card place, and running thence eastwardly along the said line midway between Alstyne avenue and Lurting street, and along the prolongation of the said line to the intersection with the prolongation of a line midway between Alstyne avenue and Merritt place; thence eastwardly along the said line midway between Alstyne avenue and Merritt place and along the prolongations of the said line to the intersection with the westerly line of Corona avenue; thence eastwardly in a straight line to a point on the easterly line of Sothern avenue where it is intersected by a line midway between Alstyne avenue and Fanning place; thence eastwardly along the said line midway between Alstyne avenue and Fanning place to the intersection with the westerly line of Marlowe avenue; thence eastwardly in a straight line to a point on the easterly line of Marlowe avenue distant 100 feet northerly from the prolongation of the northerly line of Alstyne avenue, as this street is laid out east of Marlowe avenue, the said distance being measured at right angles to Alstyne avenue; thence eastwardly and parallel with Alstyne avenue and the prolongations thereof to the intersection with the northwesterly line of Radcliff street; thence southeastwardly at right angles to Radcliff street to the intersection with a line midway between Radcliff street and Strong street; thence southwestwardly along the said line midway between Radcliff street and Strong street to the intersection with a line at right angles to Radcliff street and passing through a point on its southeasterly side distant 100 feet southerly from the southerly line of Alstyne avenue, the said distance being measured at right angles to Alstyne avenue; thence northwestwardly along the said line at right angles to Radcliff street to the intersection with its southeasterly side; thence westwardly and parallel with Alstyne avenue to the intersection with the prolongation of a line midway between Alstyne avenue and Gerry avenue, as these streets are laid out between Sothern avenue and Marlowe avenue; thence westwardly along the said line midway between Alstyne avenue and Gerry avenue and along the prolongations of the said line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the centre lines of Alstyne avenue and Gerry avenue, as these streets are laid out immediately east of and adjoining Junction avenue; thence westwardly along the said bisecting line to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Alstyne avenue, as this street is laid out between Card place and Junction avenue, the said distance being measured at right angles to Alstyne avenue; thence westwardly along the said line parallel with Alstyne avenue and along the prolongation of the said line to the intersection with a line parallel with Card place and passing through the point of beginning; thence northwardly along the said line parallel with Card place to the point or place of beginning.

The above entitled assessment was entered on the date hereinbefore given 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. Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1006 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, Court House Square, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 9, 1915, 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 when such assessment became a lien to the date of payment.

WM. A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, June 10, 1915. j14,24

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following named road in the BOROUGH OF RICHMOND:

FIRST WARD.

AN EASEMENT FOR SEWER PURPOSES between KNOX STREET AND BROADWAY, north of Franklin street. Confirmed April 17, 1915; entered June 10, 1915. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Richmond, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Bounded on the north by the southerly line of Richmond terrace, on the east by a line always distant 100 feet easterly from and parallel with the easterly line of Knox street, the said distance being measured at right angles to Knox street; on the south by the northerly line of Franklin street, and on the west by a line always distant 100 feet westerly from and parallel with the westerly line of Knox street, the said distance being measured at right angles to Knox street.

The above entitled assessment was entered on the day hereinbefore given 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, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1006 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, Borough Hall, St. George, Borough of Richmond, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 9, 1915, 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 when such assessment became a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, June 10, 1915. j14,24

NOTICE OF ASSESSMENTS FOR OPENING STREETS AND PARKS.

IN PURSUANCE OF SECTION 1005 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of the assessment for OPENING AND ACQUIRING TITLE to the following named avenues in the BOROUGH OF THE BRONX:

TWENTY-FOURTH WARD, SECTION 13.

NETHERLAND AVENUE—OPENING, from Kappock street to West Two Hundred and Thirtieth street. Confirmed May 10, 1915; entered June 10, 1915. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the prolongation of a line distant 100 feet northeasterly from and parallel with the northeasterly line of West Two Hundred and Thirtieth street as this street is laid out between Netherland avenue and Arlington avenue, the said distance being measured at right angles to West Two Hundred and Thirtieth street, where it is intersected by a line bisecting the angle formed by the intersection of the prolongations of the centre lines of Netherland avenue and Johnson avenue, as these streets are laid out immediately adjoining West Two Hundred and Thirtieth street on the south, and running thence southwestwardly along the said bisecting line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the southeasterly line of Netherland avenue and the northwesterly line of Spuyten Duyvil road as these streets are laid out at West Two Hundred and Twenty-seventh street; thence southwestwardly along the said bisecting line to a point distant 100 feet northerly from the northerly line of Johnson avenue, the said distance being measured at right angles to Johnson avenue; thence westwardly and always distant 100 feet northerly from and parallel with the northerly line of Johnson avenue to a point distant 160 feet southerly from the northerly line of Netherland avenue, the said distance being measured at right angles to Netherland avenue; thence westwardly and always distant 160 feet southerly from and parallel with the northerly line of Netherland avenue to the intersection with the southeasterly line of Kappock street; thence northwestwardly at right angles to Kappock street a distance of 160 feet; thence generally northwardly and always distant 100 feet westerly from and parallel with the westerly line of Kappock street to the intersection with a line at right angles to Kappock street and passing through a point on its easterly side where it is intersected by the centre line of Arlington avenue; thence eastwardly along the said line at right angles to Kappock street to the intersection with the easterly line of Kappock street; thence eastwardly along the centre line of Arlington avenue to a point distant 100 feet easterly from the easterly line of Kappock street, the said distance being measured at right angles to Kappock street; thence southwardly and always distant 100 feet easterly from and parallel with the easterly lines of Kappock street and of Netherland avenue to the intersection with the prolongation of a line midway between Netherland avenue and Arlington avenue as these streets are laid out between West Two Hundred and Twenty-seventh street and West Two Hundred and Thirtieth street; thence northeastwardly along the aforesaid line midway between Netherland avenue and Arlington avenue, and along the prolongation of the said line to the intersection with a line midway between Netherland avenue and Arlington avenue as these streets are laid out where they adjoin West Two Hundred and Thirtieth street on the north; thence northeastwardly along the last described line midway between Netherland avenue and Arlington avenue to the intersection with a line parallel with West Two Hundred and Thirtieth street, and passing through the point of beginning; thence southeastwardly along the said line parallel with West Two Hundred and Thirtieth street to the point or place of beginning.

TWENTY-FOURTH WARD, SECTION 14.

DAMIS AVENUE—OPENING, from Lafayette avenue to Westchester avenue, and BRONX RIVER AVENUE—OPENING, from Lafayette avenue to Randall avenue. Confirmed May 11, 1915; entered June 10, 1915. Area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the southerly line of Westchester avenue midway between Fenfell avenue and Damis avenue, and running thence southwardly along a line midway between Fenfell avenue and Damis avenue to a point distant 100 feet northerly from the northerly line of Story avenue; thence eastwardly and parallel with Story avenue to the intersection with a line midway between Wheeler avenue and Fenfell avenue; thence southwardly along the said line midway between Wheeler avenue and Fenfell avenue to the intersection with a line midway between Story avenue and Lafayette avenue; thence eastwardly along the said line midway between Story avenue and Lafayette avenue to the intersection with a line midway between Ward avenue and Genner avenue; thence southwardly along the said line midway between Ward avenue and Genner avenue to a point distant 100 feet northerly from the northerly line of Lafayette avenue; thence eastwardly and parallel with Lafayette avenue to the intersection with a line midway between Chanute avenue and Ward avenue; thence southwardly along the said line midway between Chanute avenue and Ward avenue to a point distant 100 feet southerly from the southerly line of Lafayette avenue; thence eastwardly and parallel with Lafayette avenue to the intersection with a line midway between Craighill avenue and Chanute avenue; thence southwardly along the said line midway between Craighill avenue and Chanute avenue to the intersection with a line midway between Lafayette avenue and Seward avenue; thence eastwardly along the said line midway between Lafayette avenue and Seward avenue to the intersection with a line midway between Morrison avenue and Craighill avenue; thence southwardly along the said line midway between Morrison avenue and Craighill avenue to a point distant 100 feet southerly from the southerly line of Seward avenue; thence eastwardly and parallel with Seward avenue to the intersection with a line midway between Metcalf avenue and Harrod avenue; thence southwardly along the said line midway between Metcalf avenue and Harrod avenue and along the prolongation of the said line to the intersection with the northeasterly bulkhead line of Bronx River, as shown on a map approved by the Secretary of War on September 23, 1911; thence generally northwardly along the said bulkhead line to the intersection with the prolongation of a line midway between Story avenue and Lafayette avenue; thence eastwardly along the said prolongation of a line midway between Story avenue and Lafayette avenue to the intersection with the prolongation of a line midway between Bronx River avenue and Close avenue, as these streets are laid out north of Story avenue; thence northwardly along the said line midway between Bronx River avenue and Close avenue and along the prolongation of the said line to a point distant 100 feet northerly from the northerly line of Story avenue; thence eastwardly and parallel with Story avenue to the intersection with a line midway between Damis avenue and Close avenue; thence northwardly along the said line midway between Damis avenue and Close avenue to the intersection with the southerly line of Westchester avenue; thence eastwardly along the southerly line of Westchester avenue to the point or place of beginning.

The above entitled assessments were entered on the date hereinbefore given 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. Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided by section 1006 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Bergen Building, fourth floor, southeast corner of Arthur and Tremont aves., Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 9, 1915, 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 when above assessments became liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, June 10, 1915. j14,24

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF BROOKLYN:

TWENTY-SIXTH WARD, SECTION 12.

SEWER BASINS in DUMONT AVENUE at northwest corner of Saratoga avenue; southwest corner of Douglas street; northwest and southwest corners of Hopinkson avenue and at the southeast and southwest corners of Barrett street. Area of assessment affects Blocks Nos. 3553, 3557, 3567, 3568, 3569 and 3572.

NEWPORT STREET—SEWER, from Chester street to Rockaway avenue. Area of assessment: Both sides of Newport street, from Chester street to Rockaway avenue and east side of Chester street from Newport avenue to Riverdale avenue.

TWENTY-SIXTH WARD, SECTION 13.

DUMONT AVENUE—SEWER, from Linwood street to Elton street. Area of assessment: Both sides of Dumont avenue from Linwood street to Elton street.

THIRTIETH WARD, SECTION 17.

SEWERS in ELEVENTH AVENUE between Sixty-first street and the New York & Sea Beach Railroad and between Sixty-second and Sixty-fifth streets; in SIXTY-SECOND STREET between Tenth and Eleventh avenues; in SIXTY-THIRD STREET between Tenth avenue and Eleventh avenue and between Twelfth avenue and Thirteenth avenue; in THIRTEENTH AVENUE between Sixty-second and Sixty-third streets, and in SIXTY-SECOND STREET between Thirteenth and Fourteenth avenues. Area of assessment affects property in Blocks Nos. 5723, 5724, 5725, 5726, 5730, 5731, 5732, 5733, 5737, 5738, 5739, 5744 and 5745.

THIRTIETH WARD, SECTION 19.

BAY THIRTEENTH STREET—REGULATING, GRADING, CURBING AND FLAGGING, from Eigthy-sixth street to Cropsey avenue. Area of assessment: Both sides of Bay Thirteenth street from Eighty-sixth street to Cropsey avenue and to the extent of half the block at the intersecting streets and avenues.

—that the same were confirmed by the Board of Assessors on June 1, 1915, and entered on June 1, 1915, 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, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears

of Taxes and Assessments and of Water Rents, in the Offerman Building, 503 Fulton street, Borough of Brooklyn, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before July 31, 1915, 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 when such assessments became liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, June 1, 1915. j9,19

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF QUEENS:

FIRST WARD.

GOODRICH STREET—SEWER, from Flushing avenue to Hoyt avenue. Area of assessment: Both sides of Goodrich street from Flushing to Hoyt avenues, including Blocks Nos. 105 and 121.

ELEVENTH AVENUE — REGULATING, GRADING, CURBING, FLAGGING AND PAVING, between Wilson and Flushing avenues. Area of assessment: Both sides of Eleventh avenue from Wilson to Flushing avenues, and to the extent of half the block at the intersecting avenues.

SECOND WARD.

ANDREWS STREET — REGULATING, GRADING, CURBING AND FLAGGING, from Metropolitan avenue to Zeidler street. Area of assessment: Both sides of Andrews street from Metropolitan avenue to Zeidler street, and to the extent of half the block at the intersecting streets.

MADISON STREET — REGULATING, GRADING, CURBING AND LAYING CROSSWALKS AND SIDEWALKS, from Wyckoff avenue to Myrtle avenue, and from Cypress avenue to Seneca avenue. Area of assessment: Both sides of Madison street from Wyckoff to Myrtle avenues and from Cypress to Seneca avenues, and to the extent of half the block at the intersecting avenues.

FOURTH WARD.

SEWER in BIRCH STREET, SPRUCE STREET and SOUTH VINE STREET between Liberty and Jerome avenues, and in KIMBALL AVENUE between Lefferts avenue and South Curtis avenue. Area of assessment affects properties included in Blocks Nos. 561, 562, 563, 564, 565, 566, 567 and 568.

—that the same were confirmed by the Board of Assessors June 1, 1915, and entered June 1, 1915, 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, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessments are payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, Court House Square, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before July 31, 1915, 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 when such assessments became liens to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, June 1, 1915. j9,19

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS IN THE BOROUGH OF THE BRONX:

TWENTY-THIRD WARD—SECTION 9.

EAST ONE HUNDRED AND SIXTY-FOURTH STREET—REGULATING, GRADING, SETTING CURBSTONES, FLAGGING SIDEWALKS, LAYING CROSSWALKS, BUILDING APPROACHES AND ERECTING FENCES, from Sheridan avenue to Jerome avenue. Area of assessment: Both sides of East One Hundred and Sixty-fourth street from Sheridan avenue to Jerome avenue and to the extent of half the block at the intersecting avenues.

—that the same were confirmed by the Board of Assessors on June 1, 1915, and entered June 1, 1915, 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, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessments, interest will be collected thereon, as provided by section 1019 of the Greater New York Charter.

Said section provides, in part, "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 to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides * * * "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record." * * *

The above assessment is payable to the Collector of Assessments and Arrears of Taxes and Assessments and of Water Rents, in the Bergen Building, fourth floor, southeast corner of Arthur and Tremont aves., Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before July 31, 1915, 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 when such assessment became a lien to the date of payment.

WILLIAM A. PRENDERGAST, Comptroller.

City of New York, Department of Finance, Comptroller's Office, June 1, 1915. j9,19

BOARD OF ASSESSORS.

Notice to Present Claims for Damages.

PUBLIC NOTICE IS HEREBY GIVEN TO all persons claiming to have been injured by a change of grade in the regulating and grading of the following named streets to present their claims, in writing, to the Secretary of the Board of Assessors, Room 809, Municipal Building, on or before Thursday, June 24, 1915, at 10 o'clock a. m. Claimants are requested to make their claims for damages upon the blank forms prepared by the Board of Assessors, copies of which may be obtained upon application at the above office.

Borough of Brooklyn.

4655. 79th Street from 22nd Avenue to 23rd Avenue.

Borough of Richmond.

4663. Charles Avenue from Lafayette Avenue to Nicholas Avenue, Third Ward.

4664. New Dorp Lane, south side, from First Street to Tenth Street, and Third Street from Elm Avenue to Locust Avenue, Fourth Ward.

4665. Heberton Avenue from a point about 195 feet north of Ann Street to Richmond Terrace, Third Ward.

Borough of Queens.

4673. Cooper Street from Irving Avenue to the Brooklyn Borough Line, Second Ward.

4674. Creek Street from Borden Avenue to Hunterspoint Avenue, First Ward.

4675. 48th (Grant) Street from Jackson Avenue to Astoria Avenue, Second Ward.

4676. Manly Street from Thomson Avenue to Hunterspoint Avenue, First Ward.

ALFRED P. W. SEAMAN, WM. C. ORMOND, JACOB J. LESSER, Board of Assessors.

ST. GEORGE B. TUCKER, Secretary, Room 809, Municipal Building, City of New York, Borough of Manhattan.

June 12, 1915. j12,23

Completion of Assessments.

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

Borough of Manhattan,

4652. Receiving Basin adjacent to the northeast corner of Washington Place and Mercer Street. Affecting Block No. 547.

4653. Receiving Basins adjacent to the northeast corner of Washington Place and Greene Street and adjacent to the southwest corner of Mercer Street and Waverly Place. Affecting Block No. 547.

4654. Alteration and improvement to sewer and appurtenances in Walker Street between West Broadway and Broadway. Affecting Block Nos. 191 to 194.

4645. Paving and curbing West 160th Street from Broadway to Fort Washington Avenue.

4646. Paving and curbing West 161st Street from Broadway to Fort Washington Avenue.

4647. Paving and curbing West 177th Street between Audubon and St. Nicholas Avenues.

Borough of The Bronx.

4503. Regulating, grading, curbing, flagging, etc., Taylor Avenue from Westchester Avenue to 250 feet north of Wood Avenue.

The area of assessment in the above mentioned lists extends to within half the block at the intersecting and terminating streets and avenues.

4550. Regulating, grading, curbing, flagging, etc., East 168th Street between Clay and Morris Avenues and building steps and appurtenances between Clay and Teller Avenues. Affecting Block Nos. 2393 to 2396, 2426, 2427, 2430, 2431, 2435, 2436, 2439 and 2450.

4648. Receiving Basin and appurtenances on the west side of Clay Avenue, north of Claremont Parkway. Affecting Block No. 2788.

Borough of Brooklyn.

4641. Regulating, grading, curbing and flagging Avenue M from East 16th Street to a property line about 60 feet west of East 17th Street.

4642. Regulating, grading, curbing and flagging Lott Avenue from Bristol Street to Rockaway Avenue.

The area of assessment in the above mentioned lists extends to within half the block at the intersecting and terminating streets and avenues.

All persons whose interests are affected by the above named proposed assessments, and who are opposed to the same or either of them, are requested to present their objections, in writing, to the Secretary of the Board of Assessors, Room 809, Municipal Building, New York, on or before Tuesday, July 13, 1915, at 10 a. m., at which time and place the said objections will be heard and testimony received in reference thereto.

ALFRED P. W. SEAMAN, WM. C. ORMOND, JACOB J. LESSER, Board of Assessors.

ST. GEORGE B. TUCKER, Secretary, Room 809, Municipal Building, City of New York, Borough of Manhattan.

June 12, 1915. j12,23

DEPARTMENT OF PUBLIC CHARITIES.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities, Tenth Floor, Municipal Building, Borough of Manhattan, until 10.30 o'clock a. m., on

TUESDAY, JUNE 22, 1915,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION OF CERTAIN SCREEN WORK ON THE WINDOWS AND BALCONIES OF VARIOUS BUILDINGS OF THE SEA VIEW HOSPITAL, BOROUGH OF RICHMOND, THE CITY OF NEW YORK.

The time allowed for the completion of the work and full performance of the contract is forty (40) consecutive working days.

The security required will be Eight Thousand Dollars ($8,000).

Certified check or cash in the sum of Four Hundred Dollars ($400) must accompany bid.

The bidder will state one aggregate price for the whole work described and specified, as the contract is entire for a compelte job.

Blank forms and further infomation may be obtained at the office of the Contract Clerk of the Department, Tenth Floor, Municipal Building, The City of New York, where plans and specifications may be seen.

JOHN A. KINGSBURY, Commissioner.

Dated June 11, 1915. j11,22

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Department of Public Charities, tenth floor, Municipal Building, Borough of Manhattan, until 10.30 o'clock a. m., on

THURSDAY, JUNE 17, 1915,

NO. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE FURNISHING AND ERECTION OF BLOWERS, ENGINES AND AIR DUCTS, IN CONNECTION WITH MECHANICAL DRAFT INSTALLATION IN TWELVE (12) BOILERS OF THE POWER PLANT OF THE KINGS COUNTY HOSPITAL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

NO. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE FURNISHING AND ERECTION OF DUMPING GRATES NECESSARY FOR TWELVE (12) RETURN TUBULAR BOILERS, AND CERTAIN SUPPLIES AND WORK IN REPAIRING BRICK WORK IN FURNACES OF SAID BOILERS, SITUATED IN THE POWER PLANT OF THE KINGS COUNTY HOSPITAL, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

The time allowed for doing and completing the entire work and the full performance of each contract is forty (40) consecutive working days.

The surety required will be One Thousand Dollars ($1,000) on each contract.

Certified check or cash in the sum of Fifty Dollars ($50) on each contract must accompany bid.

Bids will be compared and the contract separately awarded to the lowest bidder on Propositions Nos. 1 and 2.

Blank forms and further information may be obtained at the office of the Contract Clerk of the Department, Tenth Floor, Municipal Building, The City of New York, where plans and specifications may be seen.

JOHN A. KINGSBURY, Commissioner.

Dated June 5, 1915. j5,17

☞See General Instructions to Bidders on last page, last column, of the "City Record."

POLICE DEPARTMENT.

Auction Sale of Unclaimed Property.

PUBLIC NOTICE IS HEREBY GIVEN THAT the 20th public auction sale, consisting of unclaimed property (watches, chains, fobs, pins, rings, clothing, iron, brass, copper, lead, knives, baby carriages, suit cases, hand bags, pocketbooks, clocks, shoes, tools, auto lamps, rugs, etc., etc.) will be held in the trial room, at Police Headquarters, No. 78 Poplar Street, Brooklyn, on

THURSDAY, JUNE 17, 1915,

at 10:00 A. M.

May 22, 1915.

j5,17 ARTHUR WOODS, Police Commissioner.

Owners Wanted for Unclaimed Property.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York, No. 240 Centre st., for the following property now in custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

ARTHUR WOODS, Police Commissioner.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York—Office, No. 72 Poplar st., Borough of Brooklyn—for the following property, now in custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

ARTHUR WOODS, Police Commissioner.

FIRE DEPARTMENT.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at his office, eleventh floor, Municipal Building, Manhattan, until 10.30 o'clock A. M., on

TUESDAY, JUNE 22, 1915,

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED AND COMPLETING REPAIRS AND ALTERATIONS TO THE QUARTERS OF THE FOLLOWING COMPANIES:

Engine Co. 14, Manhattan; Engine Co. 34, Manhattan; Engine Co. 74 and Hook and Ladder Co. 25, Manhattan; Engine Co. 59, Manhattan; Engine Co. 287, Queens; Engine Co. 237, Brooklyn; Engine Co. 248, Brooklyn; Hook and Ladder Co. 125, Queens; Engine Co. 270, Queens; Engine Co. 271 and Hook and Ladder Co. 124, Brooklyn; Hook and Ladder Co. 115 and Engine Co. 258, Queens; Hook and Ladder Co. 104, Brooklyn.

The time for the completion of the work and full performance of the contract is forty (40) days.

The amount of security required is fifty per cent. (50%) of the amount of the bid.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Fire Department, Eleventh Floor, Municipal Building, Manhattan.

ROBERT ADAMSON, Fire Commissioner.

j10,22

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at his office, eleventh floor, Municipal Building, Manhattan, until 10.30 o'clock A. M., on

MONDAY, JUNE 21, 1915,

NO. 1—FOR FURNISHING AND DELIVERING ANTHRACITE COAL FOR FIREBOATS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before April 1, 1916.

The amount of security required is *thirty per cent. (30%) of the amount of the bid or estimate.*

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per ton or other unit of measure, by which the bids will be tested. The extension must be made, as the bids will be read from the total. *The bids will be compared and the contract awarded at a lump or aggregate sum.*

Bids for supplies must be submitted in duplicate.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Fire Department, eleventh floor, Municipal Building, Manhattan.

ROBERT ADAMSON, Fire Commissioner.

j9,21

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at his office, eleventh floor, Municipal Building, Manhattan, until 10.30 o'clock A. M., on

WEDNESDAY, JUNE 16, 1915,

NO. 1—FOR FURNISHING AND DELIVERING RUBBER WATER HOSE (FIRE), ITEM NO. 1—FIVE THOUSAND (5,000) FEET OF 2½-INCH. ITEM NO. 2—FIVE THOUSAND (5,000) FEET OF 3½-INCH.

The time for the delivery of the articles, materials and supplies and the performance of the contract is Ninety (90) days.

The amount of security required is *thirty per cent. (30%) of the amount of the bid or estimate.*

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, by which the bids will be tested. The extension must be made, as the bids will be read from the total for each item and awards made to the lowest bidder on each item.

Bids for supplies must be submitted in duplicate.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Fire Department, eleventh floor, Municipal Building, Manhattan.

ROBERT ADAMSON, Fire Commissioner.

j5,16

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the Fire Commissioner at his office, eleventh floor, Municipal Building, Manhattan, until 10.30 o'clock A. M., on

WEDNESDAY, JUNE 16, 1915,

NO. 1—FOR FURNISHING AND DELIVERING COTTON RUBBER LINED FIRE HOSE: ITEM NO. 1—TWENTY THOUSAND (20,000) FEET OF 2½-INCH. ITEM NO. 2—TEN THOUSAND (10,000) FEET OF 1½-INCH.

The time for the delivery of the articles, materials and supplies and the performance of the contract is ninety (90) days.

The amount of security required is *thirty per cent. (30%) of the amount of the bid or estimate.*

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, by which the bids will be tested. The extension must be made, as the bids will be read from the total for each item and awards made to the lowest bidder on each item.

Bids for supplies must be submitted in duplicate.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained at the office of the Fire Department, eleventh floor, Municipal Building, Manhattan.

ROBERT ADAMSON, Fire Commissioner.

j5,16

☞See General Instructions to Bidders on last page, last column, of the "City Record."

DEPARTMENT OF STREET CLEANING.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning, office Room 1244, Municipal Building, Manhattan, until 12 o'clock noon on

WEDNESDAY, JUNE 16, 1915,

Borough of Manhattan.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR THE BUILDING, CONSTRUCTION AND ERECTION OF TRACKS AND CONTACT RAILS ON THE PIER AT THE FOOT OF EAST 19TH STREET, EAST RIVER, BOROUGH OF MANHATTAN, NEW YORK CITY, THE INSTALLATION OF THE ELECTRICAL WORK AND EQUIPMENT INCIDENTAL THERETO, AND THE ALTERATION AND REPAIRS OF SAID PIER.

The time for the completion of the work and full performance of the contract is thirty (30) days.

The amount of security is Two Thousand ($2,000.00) Dollars.

The deposit to be made with the bid shall be not less than three (3) nor more than five (5) per centum of the amount of the bond.

Bidders will state one aggregate price for the entire work described and specified, as the contract will be entire and for a complete job.

Bidders must write out the total amount of their bids or estimates in addition to inserting the same in figures.

The contract, if awarded, will be awarded to the lowest bidder.

Blank forms, plans and drawings and further information may be obtained at the office of the Department of Street Cleaning, the Borough of Manhattan, Room 1244, Municipal Building, New York City. A deposit of $10 will be required from all persons obtaining copies of the plans and specifications, to be repaid on return of same in good condition.

J. T. FETHERSTON, Commissioner.

Dated June 2, 1915. j5,16

☞See General Instructions to Bidders on last page, last column, of the "City Record."

BOARD OF WATER SUPPLY.

Proposals.

SEALED BIDS WILL BE RECEIVED BY THE Board of Water Supply, at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 A. M. on

TUESDAY, JUNE 22, 1915,

CONTRACT 159.

FOR THE CONSTRUCTION OF A COAGULATING PLANT, IN THE TOWN OF MT. PLEASANT, WESTCHESTER COUNTY, NEW YORK. THE STRUCTURE WILL BE OF STEEL, ABOUT 26 FEET WIDE BY 67 FEET LONG, INSIDE OF WHICH WILL BE A STEEL BUNKER FOR STORING ABOUT 600 TONS OF SULPHATE OF ALUMINA AND A CONVEYOR FOR RAISING THE MATERIAL TO THIS BUNKER.

Further information is given in the Information for Bidders, forming part of the contract. At the above place and time the bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

A bond in the sum of twelve thousand dollars ($12,000) will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State Bank, drawn to the order of the Comptroller of The City of New York to the amount of six hundred dollars ($600).

Time allowed for the completion of the work is six (6) months from the service of notice by the Board to begin work.

Pamphlets containing information for bidders, forms of proposal and contract, specifications, contract drawings, etc., can be obtained at the above address, at the office of the Secretary, upon application in person or by mail, by depositing the sum of ten dollars ($10) in cash or its equivalent for each pamphlet. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

For further particulars apply to the office of the Principal Assistant Engineer, at the above address.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

W. BRUCE COBB, Secretary. j4,22

NOTE—SEE GENERAL INSTRUCTIONS TO BIDDERS ON LAST PAGE, LAST COLUMN OF THE CITY RECORD, SO FAR AS APPLICABLE HERETO AND NOT OTHERWISE PROVIDED FOR.

SEALED BIDS WILL BE RECEIVED BY THE Board of Water Supply, at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 A. M., on

TUESDAY, JUNE 22, 1915,

CONTRACT 106.

FOR FURNISHING, DELIVERING AND INSTALLING, WHERE REQUIRED, BRONZE OR STEEL LADDERS, NOZZLES AND OTHER ARTICLES.

The points of delivery or installation are along the line of the Catskill aqueduct between the Ashokan reservoir, in the town of Olive, Ulster county, and Hill View reservoir, in the city of Yonkers, Westchester county, New York.

An approximate statement of the quantities of the various materials and further information are given in the Information for Bidders, forming part of the contract. At the above place and time the bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Board as soon thereafter as practicable. The Board reserves the right to reject any and all bids.

A bond in the sum of ten thousand dollars ($10,000) will be required for the faithful performance of the contract.

No bid will be received and deposited unless accompanied by a certified check upon a National or State bank, drawn to the order of the Comptroller of The City of New York, to the amount of five hundred dollars ($500).

Time allowed for the completion of the work is 9 months from the service of notice by the Board to begin work.

Pamphlets containing information for bidders, forms of proposal, contract, specifications, contract drawings, etc., can be obtained at the above address, at the office of the Secretary, upon application in person or by mail, by depositing the sum of ten dollars ($10) in cash or its equivalent for each pamphlet. This deposit will be refunded upon the return of the pamphlets in acceptable condition within thirty days from the date on which bids are to be opened.

For further particulars apply to the office of the Principal Assistant Engineer, at the above address.

CHARLES STRAUSS, President; CHARLES N. CHADWICK, JOHN F. GALVIN, Commissioners of the Board of Water Supply.

W. BRUCE COBB, Secretary. j4,22

NOTE—SEE GENERAL INSTRUCTIONS TO BIDDERS ON LAST PAGE, LAST COLUMN OF THE CITY RECORD, SO FAR AS APPLICABLE HERETO AND NOT OTHERWISE PROVIDED FOR.

BOARD OF ESTIMATE AND APPORTIONMENT.

Notice of Public Hearing.

FRANCHISE MATTERS.

PUBLIC NOTICE IS HEREBY GIVEN THAT the consideration of the communication from the Public Service Commission for the First District, transmitting certified copy of resolution adopted by said Commission May 21, 1915, determining and establishing a route and general plan of construction for an additional rapid transit railroad to be known as "Westchester Avenue Connection," and requesting the approval and consent of this Board thereto, which was, by resolution adopted May 28, 1915, fixed for this day, was continued until June 18, 1915, at ten o'clock A. M., in Room 16, City Hall, Borough of Manhattan, when and where all persons interested will have an opportunity to appear and be heard.

JAMES D. McGANN, Assistant Secretary, Room 1307, Municipal Building, Borough of Manhattan. Telephone, 4560 Worth.

Dated, New York, June 4, 1915. j7,18

Notices of Public Hearings.

PUBLIC IMPROVEMENT MATTERS.

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to widen Dyckman Street on the southerly side from a point about 360 feet westerly from the westerly line of D Street to the pier and bulkhead line of the Hudson River, Borough of Manhattan, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by widening Dyckman Street on the southerly side from a point about 360 feet westerly from the westerly line of D Street to the pier and bulkhead line of the Hudson River, in the Borough of Manhattan, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Acting Secretary of the Board of Estimate and Apportionment, and dated March 11, 1915.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated, June 12, 1915.

JOSEPH HAAG, Secretary, Board of Estimate and Apportionment, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to widen Howard Avenue between Pitkin Avenue and Eastern Parkway, and change the grades of Howard Avenue and of the intersecting streets affected thereby, Borough of Brooklyn, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines and grades of Howard Avenue and of the intersecting streets affected thereby in the Borough of Brooklyn, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Commissioner of Public Works of the Borough, and dated December 29, 1914.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* and the corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated, June 12, 1915.

JOSEPH HAAG, Secretary, Board of Estimate and Apportionment, Municipal Build Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on June 11, 1915, the Board continued until June 25, 1915, the *hearing on the proposed reapportionment of the cost and expense of the proceeding for acquiring title to the property required for the widening of Flatbush Avenue Extension, between Concord Street and Nassau Street, Borough of Brooklyn.*

The *hearing will be held in the City Hall,* Borough of Manhattan, City of New York, *on Friday, June 25, 1915, at 10 o'clock a. m.*

The following is the proposed reapportionment of cost and expense:

District No. 1 to bear 12½% of the entire cost and expense.

Comprises property designated on the maps of the Department of Taxes and Assessments for the year 1914 as Lots Nos. 9, 47 and 48, in Block No. 107; Lots Nos. 1, 2, 3, 5, 6, 7 and 9 in Block No. 108; and Lots Nos. 12, 13, 14, 15, 16, 17 and 18 in Block No. 118.

District No. 2 to bear 10% of the entire cost and expense.

Comprises the following area: Beginning at a point on the southerly line of Concord Street distant 25 feet easterly from the easterly line of Bridge Street, the said distance being measured at right angles to Bridge Street; and running thence southwardly and parallel with Bridge Street to a point distant 25 feet easterly from the easterly line of Flatbush Avenue Extension, said distance being measured at right angles to Flatbush Avenue Extension; thence southwardly and always distant 25 feet easterly from and parallel with the easterly line of Flatbush Avenue Extension to a point distant 100 feet northerly from the northerly side of DeKalb Avenue, the said distance being measured at right angles to DeKalb Avenue; thence westwardly and always distant 100 feet from and parallel with the northerly side of DeKalb Avenue to a point 25 feet westerly from the westerly side of Flatbush Avenue Extension, said distance being measured at right angles to Flatbush Avenue Extension; thence northwardly and always distant 25 feet westerly from and parallel with the westerly line of Flatbush Avenue Extension to the intersection with the southerly line of Concord Street; thence eastwardly along the southerly line of Concord Street to the point or place of beginning, excluding therefrom such land as is included in District No. 1.

District No. 3 to bear 17½% of the entire cost and expense.

Comprises the following area: Beginning at a point 25 feet easterly from the easterly side of Flatbush Avenue Extension, which point is also 100 feet northerly from the northerly side of DeKalb Avenue, and running thence southwardly and always distant 25 feet easterly from and parallel with the easterly line of Flatbush Avenue Extension and Flatbush Avenue to the intersection with the prolongation of a line distant 100 feet southerly from and parallel with the scutherly line of Fourth Avenue, said distance being measured at right angles to Fourth Avenue; thence westwardly along the said line parallel with Fourth Avenue, and along the prolongation of the said line to a point distant 25 feet westerly from the westerly line of Flatbush Avenue, the said distance being measured at right angles to Flatbush Avenue; thence northwardly and always distant 25 feet westerly from and parallel with the westerly line of Flatbush Avenue and Flatbush Avenue Extension to a point 100 feet northerly from the northerly side of DeKalb Avenue, said distance being measured at right angles to DeKalb Avenue; thence eastwardly along a line distant 100 feet from and parallel with the northerly side of DeKalb Avenue to the point or place of beginning.

District No. 4 to bear 10% of the entire cost and expense.

Comprises the following area: Beginning at a point in the southerly line of Concord Street distant 150 feet easterly from the easterly line of Bridge Street, the said distance being measured at right angles to Bridge Street; and running thence southwardly and parallel with Bridge Street to a point distant 150 feet easterly from the easterly line of Flatbush Avenue Extension, the said distance being measured at right angles to Flatbush Avenue Extension; thence southwardly and always distant 150 feet easterly from and parallel with the easterly lines of Flatbush Avenue Extension and Flatbush Avenue to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Hanson Place, the said distance being measured at right angles to Hanson Place; thence westwardly along the said line parallel with Hanson Place to the intersection with the prolongation of a line distant 100 feet southerly from and parallel with the southerly line of 4th Avenue, the said distance being measured at right angles to 4th Avenue; thence westwardly along the said line parallel with 4th Avenue and along the prolongation of the said line to a point distant 150 feet westerly from the westerly line of Flatbush Avenue, the said distance being measured at right angles to Flatbush Avenue; thence northwardly and always distant 150 feet westerly from and parallel with the westerly lines of Flatbush Avenue and Flatbush Avenue Extension to the intersection with the southerly line of Concord Street; thence eastwardly along the southerly line of Concord Street to the point or place of beginning, excluding therefrom such land as is included in Districts Nos. 1, 2 and 3.

Dated June 14, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j14,25

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system within the territory bounded approximately by Corlear Avenue, West 242nd Street, Waldo Avenue, West 244th Street, Squyten Duyvil Parkway, Riverdale Avenue, West 250th Street, Fieldston Road, West 253rd Street and Broadway, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines and grades of the street system within the territory bounded approximately by Corlear Avenue, West 242nd Street, Waldo Avenue, West 244th Street, Squyten Duyvil Parkway, Riverdale Avenue, West 250th Street, Fieldston Road, West 253rd Street and Broadway, in the Borough of The Bronx, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Pesident of the Borough, and dated April 19, 1915.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated, June 12, 1915.

JOSEPH HAAG, Secretary, Board of Estimate and Apportionmer', Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on May 28, 1915, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment is considering the advisability of enlarging the area of assessment fixed in the proceeding authorized by said Board on November 20, 1913, for acquiring title to the widening of Whitlock Avenue from Hoe Avenue to Faile Street, Borough of The Bronx.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of the Greater New York Charter, as amended, hereby gives notice that the following is the proposed enlarged area of assessment for benefit in this proceeding:

Beginning at a point on the northwesterly line of Simpson Street, as this street is laid out south of East 163rd Street, where it is intersected by the prolongation of a line distant 100 feet westerly from and parallel with the westerly line of Simpson Street, as this street is laid out north of East 163rd Street, the said distance being measured at right angles to Simpson Street, and running thence northwardly along the said line parallel with Simpson Street and along the prolongation of the said line to the intersection with a line parallel with Aldus Street and passing through a point on the easterly line of Bryant Avenue midway between Aldus Street and Whitlock Avenue; thence eastwardly along the said line parallel with Aldus Street and along the prolongations of the said line to the intersection with the southeasterly line of Whitlock Avenue; thence southeastwardly at right angles to Whitlock Avenue to the intersection with the northwesterly right-of-way line of the New York, New Haven and Hartford Railroad; thence southwestwardly along the said right-of-way line to the intersection with a line parallel with Barretto Street and passing through the point of beginning; thence northwestwardly along the said line parallel with Barretto Street to the point or place of beginning.

Resolved, That this Board consider the proposed enlarged area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on Friday, the 25th day of June, 1915, at 10 o'clock a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD for ten days prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to establish lines and grades for the street system within the territory bounded by Van Wyck Avenue, Archer Street, Roseville Avenue and Chichester Avenue, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by establishing lines and grades for the street system within the territory bounded by Van Wyck Avenue, Archer Street, Roseville Avenue and Chichester Avenue, in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the Pesident of the Borough, and dated November 18, 1914.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated, June 12, 1915.

JOSEPH HAAG, Secretary, Board of Estimate and Apportionment, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system within the territory bounded by Broadway, Polk Avenue and 16th Street, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines and grades of the street system within the territory bounded by Broadway, Polk Avenue, and 16th Street in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated February 27, 1915.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the lines and grades of the street system within the territory bounded by Gates Avenue, Onderdonk Avenue, Palmetto Street, Woodward Avenue, Woodbine Street, Fairview Avenue, Madison Street, Forest Avenue, Putnam Avenue, Fresh Pond Road, Madison Street, Shaler Street, Metropolitan Avenue, Lutheran Cemetery Branch of the Brooklyn Rapid Transit Railroad, Shaler Street, Hughes Street, Fresh Pond Road, Cornelia Street, Fairview Avenue, Putnam Avenue, Woodward Avenue, Madison Street, Onderdonk Avenue, Woodbine Street, Myrtle Avenue and the Brooklyn Borough Line, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the lines and grades of the street system within the territory bounded by Gates Avenue, Onderdonk Avenue, Palmetto Street, Woodward Avenue, Woodbine Street, Fairview Avenue, Madison Street, Forest Avenue, Putnam Avenue, Fresh Pond Road, Madison Street, Shaler Street, Metropolitan Avenue, Lutheran Cemetery Branch of the Brooklyn Rapid Transit Railroad, Shaler Street, Hughes Street, Fresh Pond Road, Cornelia Street, Fairview Avenue, Putnam Avenue, Woodward Avenue, Madison Street, Onderdonk Avenue, Woodbine Street, Myrtle Avenue and the Brooklyn Borough Line in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated July 22, 1914.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to adjust the block dimension on the easterly side of Burrough Avenue between Garfield Street and Railroad Avenue, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter, as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by adjusting the block dimension on the easterly side of Burrough Avenue between Garfield Street and Railroad Avenue in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated August 3, 1914.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Board of Estimate and Apportionment, Municipal Building. Telephone, 4560 Worth. j12,23

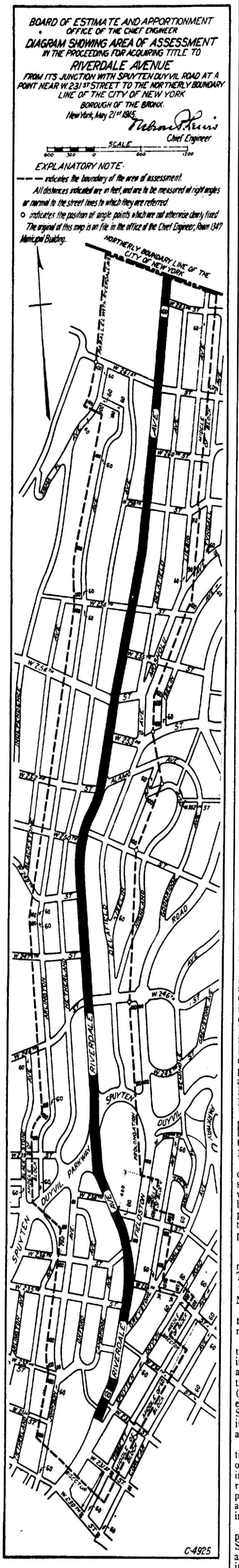
NOTICE IS HEREBY GIVEN THAT AT the meeting of the Board of Estimate and Apportionment held on May 28, 1915, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the real property required for the opening and extending of Riverdale Avenue from its junction with Spuyten Duyvil Road at a point near West 231st Street to the northerly boundary line of The City of New York, in the Borough of The Bronx, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the real property required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceedings.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of Section 973 of the Greater New York Charter, as amended, hereby gives notice that it proposes to

place 75% of the entire cost and expense of the proceedings upon the area of assessment shown on the following diagram:



Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of the Greater New York Charter, as amended, hereby gives notice that it proposes to place 2-3 of the remainder of the entire cost and expense of the proceeding, less any portion of the building damage which may be placed upon The City of New York, upon the Borough of The Bronx, and 1-3 of such remainder of the entire cost and expense, less any portion of the building damage which may be placed upon the City of New York, upon the Borough of Manhattan; the amounts so placed upon the Boroughs of Manhattan and The Bronx to be levied and collected with the taxes upon the real property in said Boroughs becoming due and payable in the year in which such cost and expense shall have been fixed and determined, provided that such cost and expense be ascertained in time to be included with the taxes on the real property of said Boroughs in the same year; and if not determined in time, the same shall be levied and collected with the taxes of the succeeding year.

Resolved, That this Board consider the proposed area of assessment and apportionment of cost and expense at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on Friday, the 25th day of June, 1915, at 10 o'clock a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the CITY RECORD for ten days prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to establish lines and grades for the street system within the territory designated as Section 113 of the Final Maps, Borough of Queens, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter, as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York, by establishing lines and grades for the street system within the territory designated as Section 113 of the Final Maps, bounded approximately by the Brooklyn Borough Line, Pitkin Avenue, 77th Street and its prolongation, South Conduit Avenue, 76th Street and Blake Avenue in the Borough of Queens, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated February 15, 1915.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock A. M.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Board of Estimate and Apportionment, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT THE Board of Estimate and Apportionment of The City of New York, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York so as to change the grades of Unionport Road from a point about 200 feet south of Morris Park Avenue to Van Nest Avenue, Borough of The Bronx, and that a meeting of said Board will be held in the Old Council Chamber, City Hall, Borough of Manhattan, City of New York, on Friday, June 25, 1915, at 10 o'clock A. M., at which such proposed change will be considered by said Board; all of which is more particularly set forth and described in the following resolutions adopted by the Board on May 28, 1915, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter as amended, deeming it for the public interest so to do, proposes to change the map or plan of The City of New York by changing the grades of Unionport Road from a point about 200 feet south of Morris Park Avenue to Van Nest Avenue, in the Borough of The Bronx, City of New York, which proposed change is more particularly shown upon a map or plan bearing the signature of the President of the Borough, and dated June 5, 1914.

Resolved, That this Board consider the proposed change at a meeting of the Board, to be held in the City Hall, Borough of Manhattan, City of New York, on the 25th day of June, 1915, at 10 o'clock a. m.

Resolved, That the Secretary of this Board cause these resolutions, and a notice to all persons affected thereby that the proposed change will be considered at a meeting of the Board to be held at the aforesaid time and place, to be published in the *City Record* for ten days continuously, Sundays and legal holidays excepted, prior to the 25th day of June, 1915.

Dated, June 12, 1915.

JOSEPH HAAG, Secretary, Board of Estimate and Apportionment, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on May 28, 1915, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the real property required for the opening and extending of Eightieth Street (Hudson Street) from Atlantic Avenue to Liberty Avenue, and Seventy-ninth Street (Genesee Street) from Liberty Avenue to Vienna Avenue, in the Borough of Queens, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the real property required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceedings.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of Section 973 of the Greater New York Charter, as amended, hereby gives notice that the following is the proposed area of assessment for benefit in these proceedings:

Beginning at a point on the southerly right-of-way line of the Long Island Railroad where it is intersected by the prolongation of a line midway between Sapphire Street and 80th Street (Hudson Street), as these streets are laid out between Atlantic Avenue and Chichester Avenue, and running thence northeastwardly along the said right-of-way line to the intersection with the prolongation of a line midway between Halifax Street and 80th Street (Hudson Street) as these streets are laid out between Chichester Avenue and Beaufort Avenue; thence southeastwardly along the said line midway between Halifax Street and 80th Street (Hudson Street) and along the prolongations of the said line, to the intersection with the northerly line of Liberty Avenue; thence southwestwardly in a straight line to a point on the southerly line of Liberty Avenue where it is intersected by the prolongation of a line midway between 80th Street (Hudson Street) and 79th Street (Genesee Street) as these streets are laid out between Pitkin Avenue and Sutter Avenue; thence southwardly along the said line midway between 80th Street (Hudson Street) and 79th Street (Genesee Street) and along the prolongations of the said line to the intersection with the northerly line of Sutter Avenue; thence southwardly in a straight line to a point on the southerly line of Sutter Avenue where it is intersected by the prolongation of a line midway between 80th Street (Hudson Street) and 79th Street (Genesee Street) as these streets are laid out between Dumont Avenue and Hegeman Avenue; thence southwardly along the said line midway between 80th Street (Hudson Street) and 79th Street (Genesee Street) and along the prolongation of the said line, to a point distant 100 feet southerly from the southerly line of Vienna Avenue; thence westwardly and parallel with Vienna Avenue to the intersection with a line midway between 78th Street (Sapphire Street) and 79th Street (Genesee Street) as these streets are laid out at Stanley Avenue; thence northwardly along the said line midway between 78th Street (Sapphire Street) and 79th Street (Genesee Street) and along the prolongation of the said line, to the intersection with the southerly line of Sutter Avenue; thence northwardly in a straight line to a point on the northerly line of Sutter Avenue where it is intersected by line midway between 78th Street (Sapphire Street) and 79th Street (Genesee Street) as these streets are laid out between Sutter Avenue and Pitkin Avenue; thence northwardly along the said line midway between 78th Street (Sapphire Street) and 79th Street (Genesee Street) and along the prolongation of the said line to the intersection with the southerly line of Liberty Avenue; thence northeastwardly in a straight line to a point on the northerly line of Liberty Avenue where it is intersected by a line bisecting the angle formed by the intersection of the prolongations of the center lines of 78th Street (Sapphire Street) and 80th Street (Hudson Street) as these streets are laid out between Liberty Avenue and Jerome Avenue; thence northwestwardly along the said bisecting line to the intersection with the southerly line of Jerome Avenue; thence northwestwardly in a straight line to a point on the northerly line of Jerome Avenue where it is intersected by a line midway between Sapphire Street and 80th Street (Hudson Street); thence northwestwardly along the said line midway between Sapphire Street and 80th Street (Hudson Street) and along the prolongation of the said line, to the point or place of beginning.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on Friday, the 25th day of June, 1915, at 10 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in The City Record for ten days prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on May 28, 1915, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment is considering the advisability of instituting proceedings for the reconstruction of sewers in Kinderman Place, from Webster Avenue to Brook Avenue, and Brook Avenue, from Kinderman Place to a point about 200 feet southerly therefrom, Borough of The Bronx, City of New York, and

Whereas, the estimated cost of the proposed improvement is $5,500.00 and the assessed value of the real estate included within the probable area of assessment is $1,074,558.00, and

Whereas, under date of May 10, 1915, the President of the Borough of The Bronx has advised the Board that the improvement is necessary in order to abolish unsanitary conditions, be it

Resolved, That the Board of Estimate and Apportionment will hold a public hearing in the City Hall, Borough of Manhattan, on Friday, June 25, 1915, at 10 o'clock A. M., at which all persons interested will be given an opportunity to be heard on the proposed action.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record for ten days prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on May 28, 1915, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of The City of New York is considering the advisability of instituting proceedings to acquire title to the real property required for the opening and extending of Munroe Avenue from Sacket Avenue to Van Nest Avenue, and Haight Avenue from Sacket Avenue to Van Nest Avenue, in the Borough of The Bronx, City of New York; and

Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the real property required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceedings.

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of Section 973 of the Greater New York Charter, as amended, hereby gives notice that the following is the proposed area of assessment for benefit in these proceedings:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Van Nest Avenue, the said distance being measured at right angles to Van Nest Avenue; on the east by a line distant 100 feet easterly from and parallel with the easterly line of Munroe Avenue, the said distance being measured at right angles to Munroe Avenue, and by the prolongation of the said line; on the south by a line always distant 100 feet southerly from and parallel with the southerly line of Sacket Avenue, the said distance being measured at right angles to Sacket Avenue; and on the west by a line midway between Haight Avenue and Lurting Avenue and by the prolongation of the said line.

Resolved, That this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on Friday, the 25th day of June, 1915, at 10 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, That the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in The City Record for ten days prior to the 25th day of June, 1915.

Dated June 12, 1915.

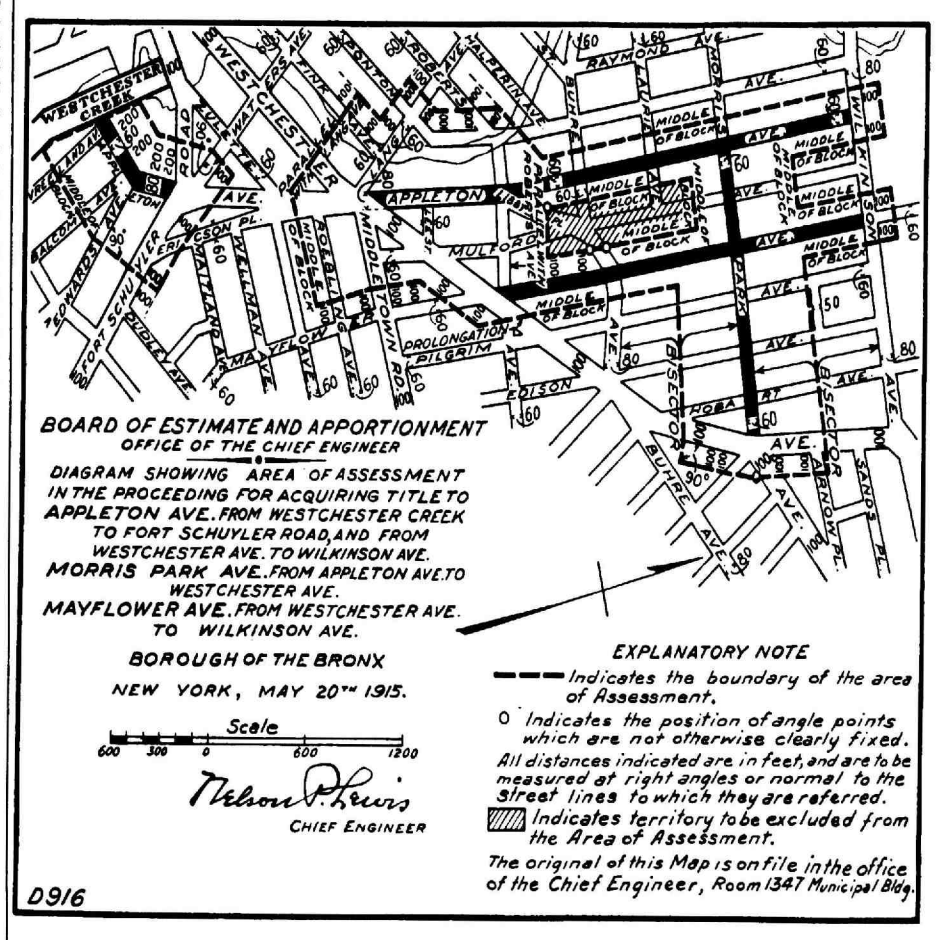
JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on May 28, 1915, the following resolutions were adopted:

Whereas, The Board of Estimate and Apportionment of the City of New York is considering the advisability of instituting proceedings to acquire title to the real property required for the opening and extending of Appleton Avenue from Westchester Creek to Fort Schuyler Road, and from Westchester Avenue to Wilkinson Avenue; Morris Park Avenue from Appleton Avenue to Westchester Avenue, and Mayflower Avenue from Westchester Avenue to Wilkinson Avenue, in the Borough of The Bronx, City of New York; and

Whereas, the Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the real property required for the foregoing improvement to fix and determine upon an area or areas of assessment for benefit for said proceedings.

Resolved, that the Board of Estimate and Apportionment, in pursuance of the provisions of Section 973 of the Greater New York Charter, as amended, hereby gives notice that the proposed area of assessment for benefit in this proceeding is as shown on the following diagram:



Resolved, that this Board consider the proposed area of assessment at a meeting of the Board to be held in The City of New York, Borough of Manhattan, in the City Hall, on Friday, the 25th day of June, 1915, at 10 o'clock a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, that the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record for ten days prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

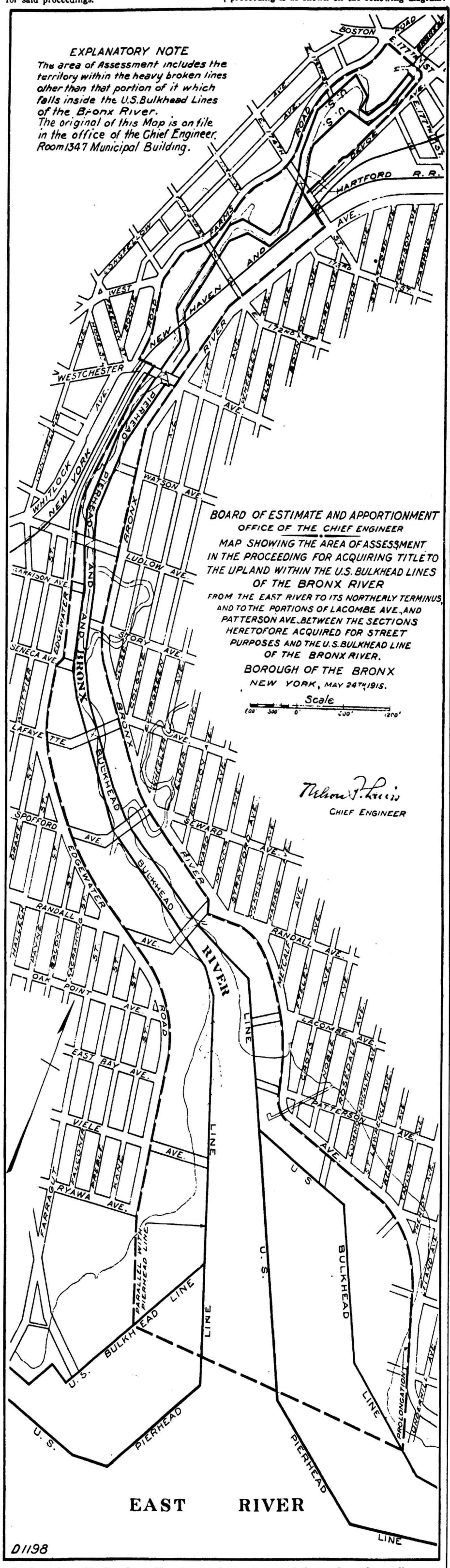
NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on May 28, 1915, the following resolutions were adopted:

Whereas, the Board of Estimate and Apportionment of the City of New York is considering the advisability of instituting proceedings to acquire title to the upland within the United States Bulkhead Lines of Bronx River, from the East River to its northerly terminus near East 177th Street, and to the real property required for the opening and extending of Lacombe Avenue and of Patterson Avenue from the westerly limits of the land heretofore acquired for these streets to the bulkhead line of the Bronx River, in the Borough of The Bronx, City of New York, and

Whereas, the Board of Estimate and Appor-

tionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the aforementioned property to fix and determine upon an area or areas of assessment for benefit for said proceedings.

Resolved, that the Board of Estimate and Apportionment, in pursuance of the provisions of Section 973 of the Greater New York Charter, as amended, hereby gives notice that the proposed area of assessment for benefit in this proceeding is as shown on the following diagram:



Resolved, that this Board consider the proposed area of assessment at a meeting of the Board to be held in the City of New York, Borough of Manhattan, in the City Hall, on Friday, the 25th day of June, 1915, at 10 o'clock a. m., and that at the same time and place a public hearing thereon will then and there be had.

Resolved, that the Secretary of this Board cause these resolutions and a notice to all persons affected thereby to be published in the City Record for ten days prior to the 25th day of June, 1915.

Dated June 12, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. j12,23

BOARD MEETINGS.

Board of Aldermen.

The Board of Aldermen meets in the Aldermanic Chamber, City Hall, every Tuesday, at 1.30 o'clock p. m.

P. J. SCULLY, City Clerk and Clerk to the Board of Aldermen.

Board of Estimate and Apportionment.

The Board of Estimate and Apportionment meets, until further notice, in the Aldermanic Chamber, City Hall, every Friday, at 10 o'clock a. m. JOSEPH HAAG, Secretary.

Commissioners of Sinking Fund.

The Commissioners of the Sinking Fund meet in the Meeting Room (Room 16), City Hall, on Wednesday, at 11 a. m., at call of the Mayor.

JOHN KORB, JR., Secretary.

Board of Revision of Assessments.

The Board of Revision of Assessments meets in the Meeting Room (Room 16), City Hall, every Thursday, at 10.30 a. m., upon notice of the Chief Cierk. JOHN KORB, JR., Chief Clerk.

Board of City Record.

The Board of City Record meets in the City Hall at call of the Mayor.

DAVID FERGUSON, Supervisor, Secretary.

BOARD OF CITY RECORD.

Auction Sale.

THE SUPERVISOR OF THE CITY RECORD will sell at public auction at 11 a. m. on

TUESDAY, JUNE 22, 1915,

FIVE LOTS OF OLD SCRAP MIXED PAPER.

The material is now stored in the Distributing Division of the City Record Office, 96-98 Reade Street, New York City, where it may be inspected at any time prior to the sale.

The sale will take place in the Distributing Division of the City Record Office and the highest price bid on each lot will be accepted.

The successful bidder on each lot will be required at the time of sale to pay in cash to the Supervisor of the City Record or his authorized representatives, on account of the purchase price, 25% of the bid, and the balance must be paid for in cash before the material so purchased is removed.

The purchaser will be required to remove all the so purchased material on or before 4 p. m. June 25, 1915, and all material not so removed by the time specified will be resold and disposed of as provided for by law.

DAVID FERGUSON, Supervisor of the City Record. j11,22

BOROUGH OF QUEENS.

Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at third floor, Borough Hall, 5th street and Jackson avenue, Long Island City, until 11 a. m., on

WEDNESDAY, JUNE 23, 1915,

NO. 1. FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN POLK AVENUE, FROM FIFTY-FIRST STREET TO JUNCTION AVENUE, SECOND WARD OF THE BOROUGH OF QUEENS.

The Engineer's estimate of the quantities is as follows:

1,991 lin. ft. 4′ 3″ Reinforced Concrete Sewer.
285 lin. ft. 4′ 0″ Concrete Sewer.
255 lin. ft. 3′ 9″ Concrete Sewer.
255 lin. ft. 3′ 6″ Concrete Sewer.
239 lin. ft. 3′ 3″ Concrete Sewer.
24 lin. ft. 18″ Vitrified salt-glazed Pipe Sewer.
62 lin. ft. 15″ Vitrified salt-glazed Pipe Sewer.
153 lin. ft. 12″ Vitrified salt-glazed Pipe Sewer.
27 Manholes, complete.
1 Cleaning Shaft, complete.
12 single Receiving Basins, complete.
7 double Receiving Basins, complete.
410 lin. ft. 12-inch Pipe for basin connections.
140 lin. ft. 10-inch Pipe for basin connections.
193 Spurs (6-inch), on concrete sewers, 24 inches long.
975 lin. ft. 6-inch Pipe for house connection drains.
1 Chamber in 51st street, at 51st street shaft, complete.
1 Junction Chamber, including Basin, at Polk avenue and 51st street.
180,000 feet B. M. Timber for sheeting and bracing.
25 cubic yards of extra Concrete (Class A), not shown on plan.
2,000 pounds of Reinforcing Steel (extra), not shown on plan.

The time allowed for completing the above work is one hundred and twenty-five (125) working days.

The amount of security required will be Twenty Thousand ($20,000) Dollars.

NO. 2. FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN STEINWAY AVENUE, FROM JACKSON AVENUE TO WASHINGTON AVENUE, FIRST WARD OF THE BOROUGH OF QUEENS.

The Engineer's estimate of the quantities is as follows:

429 lin. ft. 12″ Vitrified salt-glazed Pipe Sewer.
4 Manholes, complete.
22 Spurs on 12″ Vitrified salt-glazed Pipe Sewer.
99 lin. ft. 6″ Vitrified salt-glazed Pipe for house connection drains.
17,000 feet B. M. Timber for bracing and sheet piling.

The time allowed for completing the above work will be twenty (20) working days.

The amount of security required will be Twelve Hundred ($1,200) Dollars.

The bidder must state the price of each item or article contained in the specifications herein contained, hereinafter annexed, per square yard, per linear foot, or other unit of measure, by which the bids will be tested. Bids will be compared and the contract awarded at a lump or aggregate sum. Blank forms may be obtained and the plans or drawings may be seen at the office of the President of the Borough of Queens.

Dated June 12th, 1915.

j12-23 MAURICE E. CONNOLLY, President.

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Queens at Third Floor, Borough Hall, Fifth Street and Jackson Avenue, Long Island City, until 11 o'clock a. m. on

WEDNESDAY, JUNE 16, 1915,

NO. 1. FOR REGULATING AND GRADING ITHACA (FOURTH) STREET FROM PETTIT PLACE TO BRITTON AVENUE, AND FOR CURBING AND LAYING SIDEWALKS (WHERE NOT ALREADY LAID TO GRADE AND IN GOOD CONDITION), TOGETHER WITH ALL WORK INCIDENTAL THERETO, IN ITHACA (FOURTH) STREET, FROM BAXTER AVENUE TO BRITTON AVENUE, SECOND WARD OF THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be twenty (20) Working Days.

The amount of security required will be Seven hundred ($700) Dollars.

The Engineer's estimate of the quantities is as follows:

600 cu. yds. of Earth Excavation.
950 lin. ft. of cement curb with steel nosing and one year's maintenance.
4,300 sq. ft. cement sidewalk, and one year's maintenance.

NO. 2. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS (WHERE NOT ALREADY LAID TO GRADE AND IN GOOD CONDITION), TOGETHER WITH ALL WORK INCIDENTAL THERETO, IN FOURTH AVENUE FROM JACKSON AVENUE TO WASHINGTON AVENUE, FIRST WARD OF THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be Sixty (60) Working Days.

The amount of security required will be Three thousand ($3,000) Dollars.

The Engineer's estimate of the quantities is as follows:

4,500 cu. yds. of Earth Excavation.
10 cu. yds. of Rock Excavation.
100 lin. ft. Old Cement Curb reset.
2,700 lin. ft. Cement Curb with steel nosing and one year's maintenance.
14,000 sq. ft. Cement Sidewalk and one year's maintenance.
9 Trees to be removed, average diameter 10 inches, not to be bid for.

NO. 3. FOR REGULATING AND GRADING CUSTER (15TH) STREET FROM BAYREUTH (BEACH) STREET TO SANFORD AVENUE, THIRD WARD OF THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be Thirty (30) Working Days.

The amount of security required will be One thousand five hundred ($1,500) Dollars.

The Engineer's estimate of the quantities is as follows:

1,000 cu. yds. of Earth Excavation.
5,500 cu. yds. of Embankment in excess of excavation.
10 cu. yds. of Concrete.
100 sq. yds. stone gutters furnished and laid.
100 square yards of cobble Gutters relaid.

NO. 4. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS (WHERE NOT ALREADY LAID TO GRADE AND IN GOOD CONDITION), TOGETHER WITH ALL WORK INCIDENTAL THERETO, IN BRITTON (ORCHARD) AVENUE FROM BROADWAY TO FORLEY AVENUE, SECOND WARD OF THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be Twenty (20) Working Days.

The amount of Security required will be One thousand five hundred ($1,500) Dollars.

The Engineer's estimate of the quantities is as follows:

1,000 cu. yds. earth excavation.
1,600 lin. ft. cement curb and one year's maintenance.
100 sq. ft. old flagstone sidewalk, retrimmed and relaid.
7,900 sq. ft. cement sidewalk and one year's maintenance.
300 sq. yds. stone gutters, furnished and laid.

NO. 5. FOR REGULATING AND PAVING WITH A PERMANENT PAVEMENT CONSISTING OF SHEET ASPHALT UPON A CONCRETE FOUNDATION SIX (6) INCHES IN THICKNESS, TOGETHER WITH ALL WORK INCIDENTAL THERETO, IN TWELFTH AVENUE FROM GRAND AVENUE TO JAMAICA AVENUE, FIRST WARD OF THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be Thirty (30) Working Days.

The amount of security required will be Three thousand five hundred ($3,500) Dollars.

The Engineer's estimate of the quantities is as follows:

100 cu. yds. of earth excavation, not to be bid for.
100 lin. ft. new bluestone curb, not to be bid for.
500 lin. ft. old curb, redressed and reset, not to be bid for.
600 cu. yds, of concrete, in place.
3,550 sq, yds. sheet asphalt pavement (laid outside of the railroad franchise area, including binder course, and five year's maintenance).

NO. 6. FOR REGULATING AND PAVING WITH A PERMANENT PAVEMENT CONSISTING OF IMPROVED GRANITE BLOCKS WITH BITUMINOUS GROUTED JOINTS ON A CONCRETE FOUNDATION, AND ALL WORK INCIDENTAL THERETO, IN PAYNTAR AVENUE FROM SHERMAN STREET TO CRESCENT STREET, FIRST WARD OF THE BOROUGH OF QUEENS.

The time allowed for doing and completing this work will be Seventy (70) Working Days.

The amount of security required will be Eleven thousand ($11,000) Dollars.

The Engineer's estimate of the quantities is as follows:

200 lin. ft. New Bluestone Curb.
1,150 lin. ft. old curb reset.
300 lin. ft. old cement curb reset.
100 lin. ft. cement curb, with steel nosing, and one year's maintenance.
1,050 cu. yds. of Concrete in place, outside of the railroad franchise area.
6,200 sq. yds. Improved Granite Block Pavement (laid outside of the railroad franchise area), including sand bed, bituminous grouted joints and one year's maintenance.
1 Catch Basin adjusted.

NO. 7. FOR REGULATING AND PAVING WITH A PERMANENT PAVEMENT CONSISTING OF SHEET ASPHALT ON A CONCRETE FOUNDATION, TOGETHER WITH ALL WORK INCIDENTAL THERETO, IN STEPHENS STREET FROM WYCKOFF AVENUE TO SENECA (COVERT) AVENUE, SECOND WARD OF THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be thirty (30) working days.

The amount of security required will be Four thousand five hundred ($4,500) Dollars.

The Engineer's estimate of the quantities is as follows:

300 Lin. ft. Old Curb, redressed and reset, not to be bid for.
200 sq. ft. Old Flagstone Sidewalk retrimmed and relaid, not to be bid for.
750 cu. yds. of Concrete, in place.
4,400 sq. yds. sheet asphalt pavement (laid outside of the railroad franchise area), including binder course and five years maintenance.
50 square yards of Granite Block Pavement relaid, not to be bid for.

NO. 8. FOR PAVING WITH A PERMANENT PAVEMENT CONSISTING OF ASPHALT BLOCKS ON A CONCRETE FOUNDATION SIX INCHES IN THICKNESS, AND ALL WORK INCIDENTAL THERETO, THE ROADWAY OF FREEMAN AVENUE FROM CRESCENT STREET TO JACKSON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO, FIRST WARD OF THE BOROUGH OF QUEENS.

The time allowed for doing and completing the above work will be sixty (60) Working Days.

The amount of security required will be Twelve Thousand ($12,000) Dollars.

The Engineer's estimate of the quantities is as follows:

250 lin. ft. new bluestone curb.
900 lin. ft. old curb reset.
250 lin. ft. Old Cement Curb, reset.
150 lin. ft. Cement Curb, with steel nosing, and one year's maintenance.
1,400 cubic yards of Concrete.

8,400 sq. yds. of Asphalt Block Pavement, including mortar bed, sand joints and five years maintenance.

2 Catch Basins adjusted, not to be bid for.

The bidder must state the price of each item or article contained in the specification or schedule herein contained or hereafter annexed, per square yard, linear foot or other unit of measure, by which the bids will be tested.

Bids will be compared and the contract awarded at a lump or aggregate sum. Blank forms may be obtained and the plans or drawings may be seen at the office of the President of the Borough of Queens.

Dated June 5th, 1915.

j5,16 MAURICE E. CONNOLLY, President.

☞See General Instructions to Bidders on last page, last column, of the "City Record."

SUPREME COURT — FIRST DEPARTMENT.

Applications to Amend Proceedings.

FIRST DEPARTMENT.

In the Matter of the Application of The City of New York, relative to amending its application heretofore made in the Matter of the Application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee to the lands, tenements and hereditaments required for the opening and extending of CRUGER AVENUE, from Baker Avenue to Rhinelander Avenue and from White Plains Road to Bronx and Pelham Parkway, subject to the easements of the New York, Westchester and Boston Railroad that are necessary to permit of operating the said railroad; HOLLAND AVENUE, from Baker Avenue to Hunt Avenue; RHINELANDER AVENUE, from White Plains Road to Cruger Avenue, and HUNT AVENUE, from Rhinelander Avenue to Bear Swamp Road, subject to the easements of the New York, Westchester and Boston Railroad that are necessary to permit of operating the said railroad, in the Twenty-fourth Ward, Borough of The Bronx, City of New York, so as to conform to a map or plan adopted by the Board of Estimate and Apportioment October 23, 1914, and approved by the Mayor November 2, 1914, in which the width of Holland Avenue is decreased from 60 feet to 50 feet, by taking 5 feet from each side, and also to conform to a map or plan adopted by the Board of Estimate and Apportionment December 18, 1914, and approved by the Mayor December 28, 1914, in which a change is made in the alignment of Rhinelander Avenue, from White Plains Road to Matthews Avenue; the proceeding as now amended providing for the acquisition of title to Cruger Avenue, Holland Avenue, Rhinelander Avenue and Hunt Avenue, between the limits named in the resolution of June 26, 1913, and subject to the easements provided for therein as the said streets are now laid out upon the map or plan of The City of New York.

PURSUANT TO THE STATUTES IN SUCH cases made and provided, notice is hereby given that an application will be made to the Supreme Court of the State of New York, First Department, at a Special Term hereof, to be held at Part III. thereof, at the County Courthouse, in the Borough of Manhattan, in The City of New York, on the 21st day of June, 1915, at the opening of the Court on that day or as soon thereafter as counsel can be heard thereon for an order amending the proceeding entitled "In the Matter of the Application of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired for the same purpose in fee to the lands, tenements and hereditaments required for the opening and extending of Cruger Avenue, from Baker Avenue to Rhinelander Avenue and from White Plains Road to Bronx and Pelham Parkway, subject to the easements of the New York, Westchester and Boston Railroad that are necessary to permit of operating the said railroad; Holland Avenue, from Baker Avenue to Hunt Avenue; Rhinelander Avenue, from White Plains Road to Cruger Avenue, and Hunt Avenue, from Rhinelander Avenue to Bear Swamp Road, subject to the easements of the New York, Westchester and Boston Railroad that are necessary to permit of operating the said railroad, in the Twenty-fourth Ward, Borough of The Bronx, City of New York," and the petition and order appointing Commissioners of Estimate and the Commissioner of Assessment in the above-entitled matter, heretofore duly entered and filed in the office of the Clerk of the County of Bronx on the 8th day of January, 1914, so as to conform to a map or plan adopted by the Board of Estimate and Apportionment October 23, 1914, and approved by the Mayor November 2, 1914, in which the width of Holland Avenue is decreased from 60 feet to 50 feet, by taking 5 feet from each side, and also to conform to a map or plan adopted by the Board of Estimate and Apportionment December 18, 1914, and approved by the Mayor December 28, 1914, in which a change is made in the alignment of Rhinelander Avenue, from White Plains Road to Matthews Avenue; the proceeding as now amended providing for the acquisition of title to Cruger Avenue, Holland Avenue, Rhinelander Avenue and Hunt Avenue, between the limits named in the resolution of June 26, 1913, and subject to the easements provided for therein as the said streets are now laid out upon the map or plan of The City of New York.

Additional land and land not required for Cruger Avenue, from Baker Avenue to Rhinelander Avenue and from White Plains Road to Bronx and Pelham Parkway, subject to an easement of the New York, Westchester and Boston Railroad; Holland Avenue, from Baker Avenue to Hunt Avenue; Rhinelander Avenue, from White Plains Road to Cruger Avenue, and Hunt Avenue, from Rhinelander Avenue to Bear Swamp Road, subject to an easement of the New York, Westchester and Boston Railroad, Borough of The Bronx, City of New York, according to resolution adopted February 5, 1915, by the Board of Estimate and Apportionment, being the following-described lots, pieces or parcels of land, viz.:

LAND NOT REQUIRED—HOLLAND AVENUE.

Parcel "V."

Beginning at a point in the southern line of Morris Park Avenue distant 435.057 feet easterly from the intersection of said line with the eastern line of White Plains Road as these streets are legally acquired. Thence easterly along said southern line of Morris Park Avenue for 5.0 feet. Thence southerly deflecting 90° to the right for 834.961 feet to the northern line of Baker Avenue. Thence westerly along last-mentioned line for 5.10 feet. Thence northerly for 835.965 feet to the point of beginning.

Parcel "W."

Beginning at a point in the southern line of Morris Park Avenue distant 490.057 feet easterly from the intersection of said line with the eastern line of White Plains Road as these streets are legally acquired. Thence easterly along said southern line of Morris Park Avenue for 5.0 feet. Thence southerly deflecting 90° to the right for 823.922 feet to the southern line of Baker Avenue. Thence westerly along last-mentioned line for 5.10 feet. Thence northerly for 824.925 feet to the point of beginning.

Parcel "X."

Beginning at a point in the northern line of Morris Park Avenue, distant 435.057 feet easterly from the intersection of said line with the eastern line of White Plains Road as these streets are legally acquired. Thence easterly along said northern line of Morris Park Avenue for 5.0 feet. Thence northerly deflecting 90° to the left for 1,346.574 feet. Thence westerly deflecting 90° to the left for 5.0 feet. Thence southerly for 1,346.574 feet to the point of beginning.

Parcel "Y."

Beginning at a point in the northern line of Morris Park Avenue, distant 490.057 feet easterly from the intersection of said line with the eastern lines of White Plains Road as these streets are legally acquired. Thence easterly along said northern line of Morris Park Avenue for 5.0 feet. Thence northerly deflecting 90° to the left for 1,498.752 feet. Thence southerly deflecting 153° 45′ 50″ to the left for 11.31 feet. Thence still southerly for 1,488.607 feet to the point of beginning.

RHINELANDER AVENUE.

Parcel "Z."

Beginning at a point in the eastern line of White Plains Road, distant 750.089 feet northerly from the intersection of said line with the northern line of Morris Park Avenue as these streets are legally acquired. Thence northerly along said eastern line of White Plains Road for 14.820 feet. Thence easterly deflecting 96° 06′ 50.4″ to the right for 139.141 feet. Thence westerly for 138.350 feet to the point of beginning.

ADDITIONAL LAND REQUIRED—RHINELANDER AVENUE.

Parcel "A."

Beginning at a point in the western line of Cruger Avenue as being acquired, distant 745.089 feet northerly from the intersection of said line with the northern line of Morris Park Avenue as legally acquired. Thence northerly along said western line of Cruger Avenue for 5.0 feet. Thence westerly deflecting 90° to the left for 46.678 feet. Thence easterly for 46.945 feet to the point of beginning.

Parcel "B."

Beginning at a point in the eastern line of White Plains Road, distant 837.64 feet northerly from the intersection of said line with the northern line of Morris Park Avenue as these streets are legally acquired. Thence northerly along said eastern line of White Plains Road for 11.143 feet. Thence easterly deflecting 90° to the right for 107.832 feet. Thence westerly for 108.406 feet to the point of beginning.

The land not required for Holland Avenue is shown on a map entitled "Map showing the reduction of width of Holland Avenue, from Baker Avenue to Hunt Avenue, and the adjustment of grades of the intersecting avenues necessitated thereby. Amendment of Section 37 and 40," which map was filed in the office of the President of the Borough of The Bronx on January 15, 1915, in the office of the Register of Bronx County on January 15, 1915, as Map No. 67, and in the office of the Corporation Counsel of The City of New York on or about the same date.

The additional land and land not required for Rhinelander Avenue is shown on a map entitled "Map showing the change of lines of Rhinelander Avenue, from White Plains Road to Matthews Avenue, and the discontinuing and closing of Sagamore Street, from Hunt Avenue to Bear Swamp Road, and the adjustment of grades of intersecting avenues and streets necessitated thereby. Amendment to Sections 37 and 40," which map was filed in the office of the President of the Borough of The Bronx on March 26, 1915, in the office of the Register of Bronx County on March 24, 1915, as Map No. 93, and in the office of the Corporation Counsel of The City of New York on or about the same date.

The additional land and land not required for Cruger, Holland, Rhinelander and Hunt Avenues is located east of Bronx River.

That the Board of Estimate and Apportionment on the 5th day of February, 1915, duly fixed and determined the area of assessment for benefit in this amended proceeding to be as follows:

Beginning at a point on a line distant 100 feet northerly from and parallel with the northerly line of Bronx and Pelham Parkway South, the said distance being measured at right angles to Bronx and Pelham Parkway South, where it is intersected by the prolongation of a line midway between White Plains Road and Cruger Avenue, as these streets are laid out at Lydig Avenue, and running thence eastwardly along the said line parallel with Bronx and Pelham Parkway South to the intersection with the prolongation of a line midway between Cruger Avenue and Holland Avenue, as these streets are laid out at Lydig Avenue; thence southwardly along the said line midway between Cruger Avenue and Holland Avenue and along the prolongation of the said line to the intersection with a line distant 100 feet northerly from and parallel with the northerly line of Bear Swamp Road as this street is laid out between Holland Avenue and Cruger Avenue, the said distance being measured at right angles to Bear Swamp Road; thence eastwardly along the said line parallel with Bear Swamp Road and along the prolongation of the said line to the intersection with the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of Bear Swamp Road as this street adjoins Neil Avenue, the said distance being measured at right angles to Bear Swamp Road; thence eastwardly along the said line parallel with Bear Swamp Road and along the prolongation of the said line to the intersection with the prolongation of a line distant 100 feet easterly from and parallel with the easterly line of Hunt Avenue as this street adjoins Holland Avenue, the said distance being measured at right angles to Hunt Avenue; thence southwardly along the said line parallel with Hunt Avenue and along the prolongation of the said line to the intersection with a line midway between Holland Avenue and Wallace Avenue, as these streets are laid out at Rhinelander Avenue; thence southwardly along the said line midway between Holland Avenue and Wallace Avenue and along the prolongation of the said line, to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Baker Avenue, the said distance being measured at right angles to Baker Avenue; thence westwardly along the said line parallel with Baker Avenue to the intersection with the prolongation of a line midway between White Plains Road and Cruger Avenue as these streets are laid out at Morris Park Avenue; thence northwardly along the said line midway between White Plains Road and Cruger Avenue and along the prolongation of the said line to the intersection with a line at right angles to White Plains Road and passing through a point on its easterly side midway between Rhinelander Avenue and Morris Park Avenue; thence westwardly along the said line at right angles to White Plains Road to the intersection with a line distant 200 feet westerly from and parallel with the easterly line of White Plains Road as this street is laid out at Rhinelander Avenue, the said distance being measured at right angles to White Plains Road; thence northwardly along the said line parallel with White Plains Road to the intersection with the northwesterly right of way line of the New York, Westchester and Boston Railroad; thence northeastwardly along the said right of way line to the intersection with the prolongation of a line midway between Cruger Avenue and White Plains Road as these streets are laid out at Lydig Avenue; thence northwardly along the said line midway between Cruger Avenue and White Plains Road and along the prolongation of the said line to the point or place of beginning.

Dated, New York, June 9th, 1915.

FRANK L. POLK, Corporation Counsel, Municipal Building, Borough of Manhattan, City of New York. j9,19

Filing Bill of Costs.

FIRST DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of KINSELLA STREET, between Matthews (Rose) Avenue and Bear Swamp Road, and of VAN NEST (COLUMBUS) AVENUE, between West Farms Road and Bear Swamp Road, in the 24th Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter up to and including March 26th, 1915, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court House in the Borough of Manhattan, in The City of New York, on the 18th day of June, 1915, 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 Clerk of the County of New York, there to remain for and during the space of ten days, as required by law.

Dated, New York, June 7th, 1915.

MAX BENDIT, JOHN L. GOLDWATER, JOHN J. MACKIN, Commissioners of Estimate.
MAX BENDIT, Commissioner of Assessment.
JOEL J. SQUIER, Clerk. j7,17

Filing Preliminary Abstracts.

FIRST DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of WALLACE AVENUE, from Baker Avenue to Bear Swamp Road; BARNES AVENUE, from Baker Avenue to Bear Swamp Road; MATTHEWS AVENUE, from Baker Avenue at a point about 149 feet east of its intersection with the easterly line of Barnes Avenue to Bear Swamp Road; and MULINER AVENUE, from Morris Park Avenue to Bear Swamp Road, in the 24th Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First.—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, Room 1557, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in The City of New York, on or before the 2nd day of July, 1915, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 7th day of July, 1915, at 10 o'clock A. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, Room 1557, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in The City of New York, on or before the 2nd day of July, 1915, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 8th day of July, 1915, at 10 o'clock A. M.

Third.—That the Commissioner of Assessment has assessed any or all of such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 16th day of November, 1911, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of The Bronx, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Begining at a point on the southeasterly right-of-way line of the New York, Westchester and Boston Railway where it is intersected by the prolongation of a line distant 100 feet northeasterly from and parallel with the northeasterly line of Bear Swamp road as this street is laid out between Matthews avenue and Barnes avenue, the said distance being measured at right angles to Bear Swamp road and running thence southeastwardly along the said line parallel with Bear Swamp road and along the prolongation of the said line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the easterly line of Muliner avenue and the westerly line of Bear Swamp road as these streets are laid out where they adjoin Morris Park avenue; thence southwardly along the said bisecting line to the intersection with a line midway between Morris Park avenue and Kinsella street; thence westwardly along the said line midway between Morris Park avenue and Kinsella street to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the easterly line of Matthews avenue and the westerly line of Bear Swamp road as these streets are laid out between Kinsella street and Van Nest avenue; thence southwardly along the said bisecting line to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Van Nest avenue, as this street is laid out where it adjoins Bear Swamp road on the west, the said distance being measured at right angles to Van Nest avenue; thence westwardly along the said line parallel with Van Nest avenue to a point distant 100 feet easterly from the easterly line of Matthews avenue; thence southwardly and westwardly and always distant 100 feet easterly and southerly from the easterly and southerly line of Matthews avenue and of Baker avenue to the intersection with the prolongation of a line midway between Wallace avenue and Holland avenue; thence northwardly along the said line midway between Wallace avenue and Holland avenue and along the prolongations of the said line to the intersection with the southeasterly right-of-way line of the New York, Westchester and Boston Railway; thence northeastwardly along the said right-of-way line to the point or place of beginning.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Room 1529, 15th Floor, Municipal Building, Chambers and Centre Streets, in the Borough of Manhattan, in said City, there to remain until the 2nd day of July, 1915.

Fifth.—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part III, to be held in the County Court House in the Borough of Manhattan, in The City of New York, on the 14th day of October, 1915, at the opening of the Court on that day.

Sixth.—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated, New York, May 28th, 1915.

EDWARD D. DOWLING, Chairman; RALPH WEIL, FRANCIS P. KENNEY, Commissioners of Estimate. EDWARD D. DOWLING, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. j12,29

SUPREME COURT — SECOND DEPARTMENT.

Filing Final Reports.

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of JUNIPER AVENUE (although not yet named by proper authority), from the west side of Grand Street to Metropolitan avenue, in the Second Ward, Borough of Queens, City of New York, as amended and corrected by an order of the Supreme Court, Second Department, dated the 30th day of September, 1910, and entered in the office of the Clerk of the County of Queens on the 4th day of October, 1910, so as to conform to the lines of said street as shown upon Section 17 of the Final Maps of the Borough of Queens, as adopted by the Board of Estimate and Apportionment on the 26th day of June, 1908, and approved by the Mayor on the 5th day of August, 1908, and as shown upon Section 28 of the Final Maps of the Borough of Queens as adopted by the Board of Estimate and Apportionment on the 15th day of January, 1909, and approved by the Mayor on the 29th day of January, 1909, and as further amended by an order of the Supreme Court, Second Department, dated the 4th day of September, 1912, and entered in the office of the Clerk of the County of Queens on the 9th day of September, 1912, so as to make said Juniper Avenue, between the above mentioned limits, relate to the street line as shown upon the map or plan bearing the signature of the President of the Borough of Queens, dated the 15th day of March, 1911, and adopted by the Board of Estimate and Apportionment on the 15th day of June, 1911.

The land to be acquired in this proceeding is more particularly bounded and described in the petitions attached to the aforesaid orders.

NOTICE IS HEREBY GIVEN THAT THE final report of the Commissioners of Estimate and Assessment in the above-entitled matter will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Trial Term thereof, Part I, to be held at the Queens County Court House, Long Island City, Borough of Queens, in The City of New York, on the 22nd day of June, 1915, at the opening of the Court on that day; and that the said final report has been deposited in the Office of the Clerk of the County of Queens, there to remain for and during the space of five days, as required by law.

Dated, New York, June 14th, 1915.

AUGUST REYMERT, PHILIP S. HEUSS, Commissioners.

WALTER C. SHEPPARD, Clerk. j14,18

Applications to Amend Proceedings.

SECOND DEPARTMENT.

In the Matter of the Application of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of UNION STREET from New York Avenue to Rochester Avenue, and from Ralph Avenue to East New York Avenue, in the 24th and 29th Wards, in the Borough of Brooklyn, City of New York.

NOTICE IS HEREBY GIVEN THAT AN application will be made to the Supreme Court, at a Special Term thereof for the hearing of motions, to be held in and for the County of Kings, at the County Court House in the Borough of Brooklyn, City of New York, on the 28th day of June, 1915, at the opening of Court on that day, or as soon thereafter as counsel can be heard, for an order amending the above entitled proceeding so as to eliminate therefrom the land lying within the lines of Union Street between Kingston avenue and Albany avenue, excepting the northerly half of the street from Albany avenue to a point distant 100 feet westerly therefrom, and to further amend said proceeding by substituting the area of assessment fixed by the Board of Estimate and Apportionment by resolution dated December 18th, 1914, for the area of assessment heretofore fixed by the Board of Estimate and Apportionment by resolution dated December 30th, 1909, and as amended by resolution dated December 15th, 1910, and for such other and further relief as in the premises may be just and proper.

Dated, New York, June 15, 1915.

FRANK L. POLK, Corporation Counsel, Attorney for The City of New York, 166 Montague Street, Brooklyn, N. Y. j15,25

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of ROSEBANK AVENUE, from Southside Boulevard to Broad Street, in the Second and Third Wards, Borough of Richmond, City of New York.

PURSUANT TO THE PROVISIONS OF SECtion 974 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906, notice is hereby given that in pursuance of an Act of the Legislature of the State of New York, being Chapter 605 of the Laws of 1915, entitled "An Act to authorize The City of New York to acquire title to certain lands of the People of the State of New York for the pur-

pose of opening and extending Rosebank Avenue, in the Borough of Richmond, and to authorize the amendment of pending proceedings therefor," an application will be made to the Supreme Court of the State of New York, Second Department, at a Special Term of said Court, to be held for the hearing of motions, in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 18th day of June, 1915, at the opening of the Court on that day, or as soon thereafter as counsel can be heard thereon, for an order amending the above-entitled proceeding, so as to include therein two strips or parcels of land of the State of New York, situated respectively on the easterly and westerly sides of Center Street, and designated on the Damage Maps in said proceeding as Damage Parcels 32 and 33, Parcel "A," which said parcels were excluded from said proceeding by an order of the Supreme Court of the State of New York, Second Department, bearing date the 2d day of December, 1913, and entered in the office of the Clerk of the County of Richmond on the 10th day of December, 1913, and affirmed by an order of the Appellate Division of the Supreme Court, Second Department, entered May 8, 1914, vacating and setting aside all proceedings had herein with respect to said Damage Parcels 32 and 33, Parcel "A," and vacating and setting aside the order appointing the Commissioners of Estimate and the Commissioner of Assessment, in so far as the same affected said Damage Parcels 32 and 33, Parcel "A;" and for such other and further relief as may be just and proper.

Dated, New York, June 7th, 1915.

FRANK L. POLK, Corporation Connsel, Municipal Building, Borough of Manhattan, City of New York. j7,17

Filing Preliminary Abstracts.

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of SACKMAN STREET, from Livonia Avenue to Riverdale Avenue, and from Newport Street to a point 220 feet North of Vienna Avenue, in the 26th Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to wit:

First.—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office, No. 166 Montague Street, in the Borough of Brooklyn, in The City of New York, on or before the 30th day of June, 1915, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 2nd day of July, 1915, at 3 o'clock P. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, No. 166 Montague Street, in the Borough of Brooklyn, in the City of New York, on or before the 30th day of June, 1915, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 6th day of July, 1915, at 3 o'clock P. M.

Third.—That the Commissioner of Assessments has assessed any or all of such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 12th day of December, 1915, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, viz.:

1. Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Livonia avenue, the said distance being measured at right angles to Livonia avenue; on the east by a line midway between Sackman street and Powell street; on the south by the northerly line of Riverdale avenue; and on the west by a line midway between Sackman street and Christopher avenue.

2. Bounded on the north by the southerly line of Newport street; on the east by a line midway between Sackman street and Powell street; on the south by the northerly right of way line of the Manhattan Beach Division of the Long Island Railroad; and on the west by a line midway between Sackman street and Christopher avenue.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, No. 166 Montague Street, in the Borough of Brooklyn, in said City, there to remain until the 11th day of July, 1915.

Fifth.—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 11th day of August, 1915, at the opening of the Court on that day.

Sixth.—In case, however, objections are filed to the foregoing abstracts of estimate and assessment, or to either of them, the motion to confirm the reports as to awards and as to assessment shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated, New York, June 11th, 1915.

THOMAS C. WHITLOCK, F. MATTHEW SAAUZE, FRANK W. HOLMES, Commissioners of Estimate. FRANK W. HOLMES, Commissioner of Assessment. j11,28

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of FIFTIETH STREET, from Astoria Avenue to Polk Avenue; and FIFTY-FIRST STREET, from the bulkhead line of Flushing Bay to a point 100 feet south of Polk Avenue, and from Corona Avenue to Queens Boulevard, in the 2nd Ward, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above-entitled proceeding, and to the owner or owners, occupant or occupants of all houses and lots and improved and unimproved lands affected thereby, and to all others whom it may concern, to-wit:

First.—That the undersigned, Commissioners of Estimate, have completed their estimate of damage, and that all persons interested .n this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with them at their office in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 21st day of June, 1915, and that the said Commissioners will hear parties so objecting, and for that purpose will be in attendance at their said office on the 23rd day of June, 1915, at 2 o'clock P. M.

Second.—That the undersigned, Commissioner of Assessment, has completed his estimate of benefit and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, having any objection thereto, do file their said objections in writing, duly verified, with him at his office, in the Municipal Building, Court House Square, Long Island City, in the Borough of Queens, in The City of New York, on or before the 21st day of June, 1915, and that the said Commissioner will hear parties so objecting, and for that purpose will be in attendance at his said office on the 24th day of June, 1915, at 2.30 o'clock P. M.

Third.—That the Commissioner of Assessment has assessed any or all such lands, tenements and hereditaments and premises as are within the area of assessment fixed and prescribed as the area of assessment for benefit by the Board of Estimate and Apportionment on the 6th day of April, 1911, and that the said area of assessment includes all those lands, tenements and hereditaments and premises situate and being in the Borough of Queens, in The City of New York, which, taken together, are bounded and described as follows, viz.:

Beginning at a point on the bulkhead line ot Flushing Bay where it is intersected by the prolongation of a line midway between Fifty-fourth street and Fifty-fifth street, as these streets are laid out where they adjoin Berrian avenue, and running thence southwestwardly along the said line midway between Fifty-fourth street and Fifty-fifth street, and along the prolongations of the said line to the intersection with a line distant 100 feet easterly from and parallel with the easterly line of Fifty-fourth street, as this street is laid out south of Astoria avenue, the said distance being measured at right angles to Fifty-fourth street; thence southwardly along the said line parallel with Fifty-fourth street, and along the prolongation of the said line to the intersection with the southerly line of Jackson avenue; thence southwardly and parallel with De Peyster street to a point distant 100 feet southerly from the southerly line of Jackson avenue, the said distance being measured at right angles to Jackson avenue; thence westwardly and parallel with Jackson avenue to the intersection with a line midway between De Peyster street and Steenwyck street; thence southwardly along the said line midway between De Peyster street and Steenwyck street, and along the prolongation of the said line to a point distant 100 feet southerly from the southerly line of Polk avenue, the said distance being measured at right angles to Polk avenue; thence westwardly and always distant 100 feet southerly from and parallel with the southerly line of Polk avenue to the intersection with the prolongation of a line midway between Seminole avenue and Colonial avenue, as these streets are laid out south of Urquhart street; thence southwardly along the said line midway between Seminole avenue and Colonial avenue, and along the prolongation of the said line to the intersection with a line midway between Fife street and Euclid street; thence westwardly along the said line midway between Fife street and Euclid street to the intersection with the prolongation of a line midway between Windsor place and Roman avenue; thence southwestwardly along the said line midway between Windsor place and Roman avenue and along the prolongations of the said line to a point distant 100 feet southwesterly from the southwesterly line of Austin street, the said distance being measured at right angles to Austin street; thence northwestwardly and always distant 100 feet southwesterly from and parallel with the southwesterly line of Austin street to the intersection with the prolongation of a line midway between Herrick avenue and Shelbourne place; thence northeastwardly along the said line midway between Herrick avenue and Shelbourne place and along the prolongation of the said line to a point distant 100 feet southwesterly from the southwesterly line of Queens boulevard, the said distance being measured at right angles to Queens boulevard; thence northwestwardly and always distant 100 feet southwesterly from and parallel with the southwesterly line of Queens boulevard to the intersection with a line at right angles to Queens boulevard and passing through a point on its southwesterly line where it is intersected by the prolongation of a line midway between Rehan place and Otis avenue, as these streets are laid out south of Rodman street; thence northwardly along the said line at right angles to Queens boulevard to its southwesterly side; thence northwardly along the said line midway between Rehan place and Otis avenue and along the prolongations of the said line to the intersection with a line bisecting the angle formed by the intersection of the prolongations of the centre lines of Forty-sixth street and Forty-seventh street, as these streets are laid out north of and adjoining Hayes avenue; thence northwardly along the said bisecting line to the intersection with a line distant 760 feet northwesterly from and parallel with the northwesterly line of Fifty-first street, as this street is laid out between Berrian avenue and Ditmars avenue; thence northeastwardly along the said line parallel with Fifty-first street to the intersection with the bulkhead line of Flushing Bay where it adjoins Fifty-first street; thence southeastwardly along the said bulkhead line to the point or place of beginning.

Fourth.—That the abstracts of said estimate of damage and of said assessment for benefit, together with the damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by the Commissioners of Estimate and by the Commissioner of Assessment in making the same, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, in the Municipal Building, Court House Square, in the Borough of Queens, in said City, there to remain until the 23rd day of June, 1915.

Fifth.—That, provided there be no objections filed to either of said abstracts, the reports as to awards and as to assessments for benefit herein will be presented for confirmation to the Supreme Court of the State of New York, Second Department, at a Special Term thereof for the hearing of motions, to be held in the County Court House in the Borough of Brooklyn, in The City of New York, on the 21st day of September, 1915, at the opening of the Court on that day.

Sixth.—In case, however, objections are filed to the foregoing abstracts of estimate and assessment or to either of them the motion to confirm the reports as to awards and as to assessments shall stand adjourned to the date to be hereafter specified in the notice provided in such cases to be given in relation to filing the final reports, pursuant to Sections 981 and 984 of the Greater New York Charter, as amended by Chapter 658 of the Laws of 1906.

Dated, New York, May 24th, 1915.

ROBT. B. LAWRENCE, Chairman; J. H. QUINLAN, LUKE OTTEN, Commissioners of Estimate. ROBT. B. LAWRENCE, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. j1,17

Filing Bill of Costs.

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired for the same purpose in fee, to the lands, tenements and hereditaments required for the opening and extending of QUEENS BOULEVARD, from Van Dam Street to Hillside Avenue, in the 1st, 2d and 4th Wards, Borough of Queens, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter up to and including May 26th, 1915, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, Second Department, at a Trial Term thereof, Part I, to be held at the Queens County Court House, Long Island City, in the Borough of Queens, in The City of New York, on the 25th day of June, 1915, at 10 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 Clerk of the County of Queens, there to remain for and during the space of ten days, as required by law.

Dated, New York, June 12th, 1915.

LEANDER B. FABER, HARRY R. GELWICKS, JOHN J. CONNOLLY, Commissioners of Estimate.

WALTER C. SHEPPARD, Clerk. j12,23

SECOND DEPARTMENT.

In the Matter of the Application of The City of New York, relative to acquiring title in fee, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the opening and extending of 71ST STREET, from 8th Avenue to 13th Avenue; OVINGTON AVENUE, from Stewart Avenue to 7th Avenue; 70TH STREET, from 7th Avenue to 11th Avenue, in the 30th Ward, Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of 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 of the State of New York, Second Department, at a Special Term thereof, to be held at the County Court House in the Borough of Brooklyn, in The City of New York, on the 22nd day of June, 1915, at 10:00 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 Clerk of the County of Kings, there to remain for and during the space of ten days, as required by law.

Dated, New York, June 9th, 1915.

EDMOND HUERSTEL, HIRAM THOMAS, JOS. F. CURREN, Commissioners of Estimate. EDMOND HUERSTEL, Commissioner of Assessment. j9,19

NOTICE TO BIDDERS AT SALES OF OLD BUILDINGS, ETC.

TERMS AND CONDITIONS UNDER WHICH BUILDINGS, ETC., WILL BE SOLD FOR REMOVAL FROM CITY PROPERTY.

THE BUILDINGS AND APPURTENANCES thereto will be sold to the highest bidder, who must pay cash or certified check, drawn to the order of the Comptroller of The City of New York, and must also give a certified check or cash in half the amount of the purchase price as security for the faithful performance of the terms and conditions of the sale. Where the amount of the purchase price does not equal or exceed the sum of $50, the sum of $50 shall be the amount of the security to be deposited. This security may at any time after the expiration of the contract period be applied by the City to the cost of completing any of the work required under the contract, but unfinished at the expiration of the contract period.

The purchaser shall not lease, occupy, cause or permit the building or buildings, etc., purchased by him to be used or occupied for any purpose other than that of their speedy removal, nor shall he collect any rental or other revenue for the use of either the land or the buildings, etc., situated thereon. The breach of either or any of these conditions shall forthwith void the sale and cause immediate forfeiture of the purchase money and the security deposited for the faithful performance of the conditions of the sale. The placing therein or permitting the occupancy of any such building by any tenant free, for rent or otherwise, excepting the necessary watchmen or the workmen engaged in the actual demolition thereof, shall of itself be a breach of the above conditions of sale.

The sale will be as of the condition of the property on date of delivery thereof to the purchaser. The City of New York will not be responsible for any change or loss which may occur in the condition of the buildings, or their appurtenances between the time of the sale thereof and the time of delivering possession to the purchaser, after being properly vacated of all tenants. The sale and delivery to purchaser will be made as nearly together as the circumstances of vacating the structures of their tenants will permit.

All the material of the buildings, sheds, walks, structures and cellars of whatsoever nature, with their exterior and interior fixtures, appurtenances and foundations of all kinds, except the exterior walls of the buildings and their foundations and the sidewalks and curb in front of said buildings, extending within the described area, shall be torn down and removed from the premises. None of the dirt, debris or waste resulting from demolition shall be allowed to remain on the premises, except old mortar or plaster only, which may be left, but not higher at any point than two feet below the curb opposite that point. The exterior walls and their foundations shall be taken down only to a plane whose elevation shall be the level of the curb in front of the building. Where there is no curb the elevation of the surrounding ground shall be considered curb level. All wells, cesspools, sinks, etc., existing on the property must be filled to the level of the surrounding ground with clean earth.

The purchaser at the sale shall also withdraw and remove all abandoned water taps and old service mains, and in place thereof cause to be inserted a brass plug in the main water pipe in the street, in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and furnish the Department of Finance with a certificate from the Department of Water Supply, Gas and Electricity that this has been performed.

The purchaser at the sale shall also remove all house sewer connections to the main sewer in the street and the openings of the main sewer in street shall be properly closed in compliance with the directions of the Bureau of Sewers in the Borough in which the buildings are situated, and furnish the Department of Finance with a certificate from the Bureau of Sewers that the work has been properly performed.

The permit for all opening in the street to be obtained by and at the expense of the purchaser of the building.

Failure to remove said buildings, appurtenances, or any part thereof, within thirty days from the day of possession will work forfeiture of ownership of such buildings, appurtenances, or portion as shall then be left standing, together with all moneys paid by said purchaser on account thereof at the time of the sale, and the bidder's assent to the above conditions being understood to be implied by the act of bidding, and The City of New York will, without notice to the purchaser, cause the same to be removed, and the cost and expense thereof charged against the security above mentioned.

The work of removal must be carried on in every respect in a thorough and workmanlike manner, and must be completed within thirty days from the day of possession, and the successful bidder will provide and furnish all materials of labor and machinery necessary thereto, and will place proper and sufficient guards and fences and warning signs by day and night for the prevention of accidents, and will indemnify and save harmless The City of New York, its officers, agents and servants, and each of them, against any and all suits and actions, claims and demands of every name and description brought against it, them or any of them, and against and from all damage and costs to which it, they or any of them be put by reason of injury to the person or property of another, resulting from negligence or carlessness in the performance of the work, or in guarding the same, or from any improper or defective materials or machinery, implements or appliances used in the removal of said buildings.

Where party walls are found to exist between buildings purchased by different bidders, the materials of said party walls shall be understood to be equally divided between the separate purchasers.

Party walls and fences, when existing against adjacent property not sold, shall not be taken down. All furrings, plaster, chimneys, protecting brick, etc., on the faces of such party walls are to be taken down and removed. The walls shall be made permanently self-supporting, beam holes, etc., bricked up, and the wall pointed and made to exclude wind and rain and present a clean exterior. The roofs and adjacent buildings shall be properly flashed and nainted and made watertight where they have been disturbed by the operations of the Contractor.

The Comptroller of The City of New York reserves the right on the day of sale to withdraw from sale any of the buildings, parts of buildings and machinery included therein, or to reject any and all bids; and it is further

Resolved, That, while the said sale is held under the supervision of the Commissioners of the Sinking Fund, the Comptroller is authorized to cause the sale to be advertised and to direct the sale thereof as financial officer of the City.

PROPOSALS FOR BIDS AND ESTIMATES FOR THE CITY OF NEW YORK.

NOTICE TO CONTRACTORS.

GENERAL INSTRUCTIONS TO BIDDERS.

The person or persons making a bid or estimate for any services, work, materials or supplies for The City of New York, or for any of its departments, bureaus or offices, shall furnish the same in a sealed envelope, indorsed with the title of the supplies, materials, work or services for which the bid or estimate is made, with his or their name or names and the date of presentation to the President or Board or to the head of the Department at his or its office, on or before the date and hour named in the advertisement for the same, at which time and place the estimates received will be publicly opened by the President or Board or head of said Department and read, and the award of the contract made according to law as soon thereafter as practicable.

Each bid or estimate shall contain the name and place of residence of the person making the same, and names of all persons interested with him 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 Board of Aldermen, head of a department, chief of a bureau, deputy thereof, or clerk therein, or other officer of The City of New York is, shall be or become interested, directly or indirectly, as contracting party, partner, stockholder, surety or otherwise in or in the performance of the contract, or in the supplies, work or business 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 herein are in all respects true.

No bid or estimate will be considered unless, as a condition precedent to the reception or consideration of any proposal, it be accompanied by a certified check upon one of the State or National banks of The City of New York, drawn to the order of the Comptroller, or money or corporate stock or certificates of indebtedness of any nature issued by The City of New York, which the Comptroller shall approve as of equal value with the security required in the advertisement to the amount of not less than three nor more than five per centum of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

The amount shall be as specified in the proposals or instructions to bidders and shall not be in excess of 5 per cent.

The certified check or money should not be inclosed in the envelope containing the bid or estimate, but should be either inclosed in a separate envelope addressed to the head of the Department, President or Board, or submitted personally upon the presentation of the bid or estimate.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work, reference must be made to the specifications, schedules, plans, etc., on file in the said office of the President, Board or Department.

No bid shall be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to the City.

The contract must be bid for separately.

The right is reserved in each case to reject all bids or estimates if it is deemed to be for the interest of the City so to do.

Bidders will write out the amount of their bids or estimates in addition to inserting the same in figures.

Bidders are requested to make their bids or estimates upon the blank forms prepared and furnished by the City, a copy of which, with the proper envelope in which to inclose the bid, together with a copy of the contract, including the specifications, in the form approved by the Corporation Counsel, can be obtained upon application therefor at the office of the Department for which the work is to be done. Plans and drawings of construction work may also be seen there.