# THE CITY RECORD.

VOL. XLIII. NUMBER 12887. NEW YORK, THURSDAY, SEPTEMBER 30, 1915. PRICE, 3 CENTS.



## THE CITY RECORD.

OFFICIAL JOURNAL OF THE CITY OF NEW YORK.
Published Under Authority of Section 1526, Greater New York Charter, by the
BOARD OF CITY RECORD.
JOHN PURROY MITCHEL, MAYOR.
——, CORPORATION COUNSEL. WILLIAM A. PRENDERGAST, COMPTROLLER.

DAVID FERGUSON, SUPERVISOR.

**Supervisor's Office, Municipal Building, 8th floor.**

Published daily, at 9 a. m., except legal holidays, at Nos. 96 and 98 Reade street (north side), between West Broadway and Church street, New York City.

Subscription, $9.30 per year, exclusive of supplements. Daily issue, 3 cents a copy.

SUPPLEMENTS: Civil List (containing names, salaries, etc., of the City employees), Two Dollars; Official Canvass of Votes, 10 cents; Registry Lists, 5 cents each assembly district; Law Department Supplement, 10 cents; Annual Assessed Valuation of Real Estate, 25 cents each section; postage prepaid.

ADVERTISING: Copy for publication in the CITY RECORD must be received at least TWO (2) days before the date fixed for the first insertion; when proof is required for correction before publication, copy must be received THREE (3) days before the date fixed for the first insertion.

COPY for publication in the corporation newspapers of Brooklyn must be received at least THREE (3) days before the date fixed for the first insertion.

Entered as Second-class Matter, Post Office at New York City.


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## BOARD OF ALDERMEN.

**Public Hearing 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 THURSDAY, OCTOBER 7, 1915, at 2 o'clock p. m., on the following matters:

No. 2059. Ordinance amending the fire limits in the Borough of Queens.

No. 2060. Ordinance relating to safeguards against spread of fire in The City of New York.

No. 2061. Ordinance relating to roofing and roof structures in The City of New York.

No. 2062. Ordinance relating to safeguards during construction or demolition of buildings.

All persons interested are invited to attend.

s23,o7 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 September 27, 1915.

Thursday, September 30, 1915—10.30 A. M.—Room 310—Case No. 1915—Consolidated Gas Company of New York—Edward B. Bruch, Complainant—"Rehearing concerning rules and regulations as to leasing of gas ranges"—Whole Commission. 11.00 A. M.—Room 305—Case No. 2003—Interborough Rapid Transit Company—"Construction of new station at Eighth Avenue and 150th Street on Ninth Avenue Elevated Line"—Commissioner Wood.

Friday, October 1, 1915—11.00 A. M.—Room 305—Case No. 1959—Long Island Railroad Company—"Alteration of crossing at Howard Avenue on Atlantic Division, Borough of Brooklyn"—Commissioner Cram. 12.15 P. M.—Room 305—Case No. 2020—Interborough Rapid Transit Company—"Equipment, signals and safety devices on elevated lines"—Whole Commission.

Regular meeting of the Commission held Tuesday and Friday at 12.15 P. M.

Meeting of the Committee of the Whole held Tuesday, Wednesday, Thursday and Friday at 10.30 A. M.

### Fire Department.

*Abstract of Transactions, from August 30 to September 4, 1915. Both Days Inclusive.*

AUGUST 30.

*Resigned*—To take effect 8 a. m., August 30, 1915: Temporary Laborer, Richard W. Wilson, Bureau Fire Alarm Telegraph, Brooklyn.

*Transferred*—To take effect 9 a. m., September 1 1915: Junior Mechanical Draughtsman William Casper, Jr., Department of Education, to this Department, Bureau of Fire Alarm Telegraph, in like capacity, at rate of $900 per annum, pursuant to provisions of Civil Service Rule XIV.

*Fires Reported*—(Week ending August 28, 1915): Manhattan, Bronx and Richmond, 135; Brooklyn and Queens, 83.

AUGUST 31.

*Temporary Appointment Renewed*—To take effect 9 a. m., September 1, 1915: William T. Jayne, as Inspector of Fire Prevention for an additional period of one month at rate of $1,200 per annum.

*Retired*—To take effect 8 a. m., September 1, 1915: Captain John Malliband, Engine Co. 277, on annual pension of $1,250; Fireman Thomas McCann, Engine Co. 49; Peter Kreidler, Engine Co. 229, and John D. Drew, H. and L. Co. 104, each on annual pension of $700.

*Official Designation Terminated*—Official designation made pursuant to section 720 of the Greater New York Charter, under date of August 21, 1915, of Deputy Fire Commissioner W. Holden Weeks to perform all the duties and exercise all the powers of Fire Commissioner, except the appointment to or promotion, detail or dismissal of any member of the uniformed force, from 9 a. m., August 25, 1915, to 9 a. m., September 1, 1915, was this day revoked, the Fire Commissioner having returned to duty.

*Bills Audited*—Open market orders, $1,956,44.

SEPTEMBER 1..

*Resigned*—To take effect 8 a. m., September 2, 1915: Fireman Melvin A. Wood, H. and L. Co., 105.

*Transferred*—To take effect 8 a. m., September 2, 1915: Engineer of Steamer Julius H. Bohnenkamp, Engine Co. 57 to Engine Co. 66; Engineer of Steamer Charles A. O'Neill, Engine Co. 66 to Engine Co. 57.

SEPTEMBER 2.

*Bills Audited*—Contracts, $244.61.

SEPTEMBER 3.

*Bills Audited*—Contracts, $2,330.65.

SEPTEMBER 4.

*Retired*—To take effect 8 a. m., September 4, 1915: Fireman Daniel L. Foley, Engine Co. 49, on annual pension of $700.

ROBERT ADAMSON, Fire Commissioner.

### Borough of Manhattan.

Bureau of Buildings.

*Report for Week Ended September 25, 1915:*

Plans filed for new buildings, 6; estimated cost of new buildings, $494,400; plans filed for alterations, 53; estimated cost of alterations, $90,215; buildings reported as unsafe, 49; other violations of law reported, 210; unsafe building notices issued, 112; violation notices issued, 526; violation cases forwarded for prosecution, 37.

*Report for Week Ended September 18, 1915:*

*General Office*—Orders Nos. 2716 to 2749, inclusive, were issued; 33 requisitions were received and acted upon; 3 requisitions, including 24 vouchers, amounting to $13,275.29, were drawn on the Comptroller.

*Contracts Entered Into*—Repaving 49th St. from 6th to 7th Aves., and 8th to 9th Aves.; Sicilian Asphalt Paving Co., 41 Park Row; American Surety Co., 100 Broadway and National Surety Co., 115 Broadway. Repaving Broadway from 47th St. to Columbus Circle and 48th St., from Broadway to 8th Ave.; Sicilian Asph. Pav. Co., 41 Park Row; American Surety Co., 100 Broadway and National Surety Co., 115 Broadway. Repaving 50th St. from Madison Ave. to 328 feet east; Sicilian Asph. Pav. Co., 41 Park Row; American Surety Co., 100 Broadway, and National Surety Co., 115 Broadway. Repaving 104th St. from C. P. West to Manhattan Ave.; Sicilian Asph. Pav. Co., 41 Park Row; American Surety Co., 100 Broadway, and National Surety Co., 115 Broadway. Repaving Madison St. from Roosevelt to New Chambers Sts.; W. J. Fitzgerald, 547 W. 45th St.; National Surety Co., 115 Broadway. Paving Exterior St. from 76th to 77th Sts.; W. J. Fitzgerald, 547 W. 45th St.; National Surety Co., 115 Broadway. Paving 212th St. from Harlem River to 10th Ave.; Barber Asphalt Paving Co., 233 Broadway; U. S. F. & G. Co., 47 Cedar St.; Maryland Cas. Co., 100 William St.

*Permits Issued*—Permits to place building material on streets, 30; permits to construct street vaults, 6; permits to construct sheds, 7; permits for drop curbs, etc., 20; permits for subways, steam mains, electrical and various connections, 279; permits for railway construction and repairs, and to reset poles, 19; permits to repair sidewalks, 71; permits for sewer connections, 10; permits for water connections, 73; permits for miscellaneous purposes, 29.

*Division of Sidewalks*—Obstructions removed from various streets and avenues, 26; complaints received and attended to, 770; street signs erected, 58; signs cleaned, removed, repaired, etc., 472.

*Inspection Division, Bureau of Highways*—Linear feet gutters cleaned, 7,900; linear feet weeds cut, 9,050; flagging relaid, 190 square feet; crosswalk relaid, 201; square yards of pavement repaired, 20,796.

*Repairs to Sewers*—Linear feet of sewer built, 196; linear feet of sewer cleaned, 18,680; linear feet of sewer examined, 20,032; basins cleaned, 303; basins examined, 10,058; manhole heads and covers reset, 20; basin covers put on, 5; basins relieved, 43; manholes examined, 20; cubic feet of brickwork built, 49; linear feet of sewer relieved, 4,400.

*Laboring Force Employed.*

| | Mechanics. | Laborers. | Teams. | Carts. | Bath Attendants. | Cleaners. |
|---|---|---|---|---|---|---|
| Repaving and renewal of pavements | 167 | 312 | 13 | 51 | .. | .. |
| Division of Sidewalks | .. | 7 | 1 | 1 | .. | .. |
| Sewers, maintenance, cleaning, etc. | 18 | 130 | 18 | 25 | .. | .. |
| Cleaning public buildings, baths, etc. | .. | .. | .. | .. | 209 | 283 |

MARCUS M. MARKS, President.

## BOARD OF ESTIMATE AND APPORTIONMENT

**Minutes of Meeting of Board of Estimate and Apportionment, Held in Room 16, City Hall, Friday, September 17, 1915.**

The Board met in pursuance of an adjournment.

Present—John Purroy Mitchel, Mayor; William A. Prendergast, Comptroller; George McAneny, President, Board of Aldermen; Marcus M. Marks, President, Borough of Manhattan; Lewis H. Pounds, President, Borough of Brooklyn; Douglas Mathewson, President, Borough of The Bronx; Maurice E. Connolly, President, Borough of Queens; and Calvin D. Van Name, President, Borough of Richmond.

The Mayor, Hon. John Purroy Mitchel, presided.

**Approval of Minutes (Cal. No. 1).**

The Minutes of the meetings held August 12 and 19, 1915, were approved as printed in the CITY RECORD on August 28, 1915, and of the meeting of August 26, 1915, as printed in the CITY RECORD on September 15, 1915.

**PUBLIC HEARINGS.**

**On Changes in the City Map.**

*Borough of The Bronx.*

**Hearing in the Matter of Changing the Map or Plan of The City of New York by Changing the Lines of Amethyst Street, Between Morris Park Avenue and Rhinelander Avenue, Borough of The Bronx.**

**Amethyst Street, Between Rhinelander Avenue and the Angle Point, 140 Feet Southerly Therefrom, Borough of The Bronx—Fixing Roadway and Sidewalk Widths (Cal. No. 2).**

The Secretary presented affidavit of publication showing that the matter had been duly advertised, in accordance with a resolution adopted by the Board on August 26, 1915 (Cal. No. 114).

The Secretary also presented the following report of the Chief Engineer:

Report No. 14902. September 1st, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on August 26th, 1915, at the request of the President of the Borough of The Bronx, a resolution was adopted fixing September 17th, 1915, as the date for a public hearing in the matter of a change proposed in the lines of Amethyst Street between Morris Park Avenue and Rhinelander Avenue.

From the information presented to the Board it appears that the lines of this street, as heretofore laid out, fail to include a small triangular area which has been dedicated to public use. In order to include this area in the street system, it is now proposed to increase the street width from 50 feet to 50.284 feet between Rhinelander Avenue and the angle point distant about 140 feet southerly therefrom.

The desirability, and in many instances the necessity, of including all dedicated highways within the lines of mapped streets has been repeatedly called to the attention of the Board, and the propriety of doing so in this case appears to be unquestioned.

I would recommend that after giving the proposed public hearing the map be approved.

I would also recommend that a resolution be adopted fixing the roadway width of Amethyst Street between Rhinelander Avenue and the angle point about 140 feet southerly therefrom at 24 feet, with a sidewalk width of 13 feet on the easterly side of the street and of 13.284 feet on the westerly side, in order to legalize the plan proposed for the physical improvement.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

No one appearing in opposition to or in favor of the proposed change, the hearing was closed.

The following was offered:

Whereas, At a meeting of this Board, held on the 26th day of August, 1915, a resolution was adopted proposing to change the map or plan of The City of New York so as to change the westerly line of Amethyst Street, from Rhinelander Avenue to a point 142.496 feet southerly therefrom, in the Borough of The Bronx, City of New York, and appointing a hearing at a meeting of this Board to be held on the 17th day of September, 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 17th day of September, 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 17th day of September, 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 changing the westerly line of Amethyst Street, from Rhinelander Avenue to a point 142.496 feet southerly therefrom, in the Borough of The Bronx, 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 President of the Borough, and dated August 24, 1915.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, By the Board of Estimate and Apportionment that the width of the roadway of Amethyst Street, between Rhinelander Avenue and the angle point about 140 feet southerly therefrom, Borough of The Bronx, is hereby fixed at 24 feet; with a sidewalk width of 13 feet on the easterly side of the street and of 13.284 feet on the westerly side.

Which was adopted by the following vote:

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

*Borough of Queens.*

**Hearing in the Matter of Changing the Map or Plan of The City of New York by Establishing Lines and Grades for Jackson Avenue (Broadway), from Cemetery Lane to the City Boundary Line, Borough of Queens (Cal. No. 3).**

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

(Under a reassignement of matters in Committees of the Board this matter, on January 30, 1914 (Cal. No. 85), was referred to the Committee on the City Plan.)

(On December 18, 1914 (Cal. No. 24), the Committee reported to the Board recommending that no action be taken on the plan before May 1, 1915, and that in the meantime the President of the Borough make such modifications in the plan as seem to him desirable, in view of the suggestions which were presented at the public hearing before the Committee.)

(The statutory hearing in this matter was fixed for July 29, 1915, by resolution adopted by the Board on July 1, 1915 (Cal. No. 38). On July 29, 1915 (Cal. No. 6), the hearing was continued to this meeting.)

The hearing was continued for five weeks (October 22, 1915).

**On Areas of Assessment for Benefit in Condemnation Proceedings.**

*Borough of Brooklyn.*

**Hearing on the Proposed Reapportionment of the Cost and Expense of the Proceeding for Acquiring Title to the Real Property Required for the Widening of Flatbush Avenue Extension, Between Nassau and Concord Streets, Borough of Brooklyn (Cal. No. 4).**

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

(The public hearing in this matter was fixed for May 14, 1915, by resolution adopted by the Board on April 23, 1915 (Cal. No. 8). On April 30, 1915 (No. 188), representatives of property owners affected by the assessment appeared and requested a further hearing before the Committee on Assessments. The request was referred to the Committee, and the President of the Borough of Brooklyn added thereto for the consideration of this subject. On May 14, 1915; June 11, 1915; June 25, 1915; July 1, 1915, and July 29, 1915, the hearing was continued; on the latter date (Cal. No. 8), until this meeting.)

The hearing was continued for two weeks (October 1, 1915).

**Hearing on the Proposed Area of Assessment in the Matter of Acquiring Title to Flatbush Avenue, from the Southerly Limit of the Land Heretofore Acquired for This Street Near Avenue U to the Northerly Bulkhead Line of Rockaway Inlet, Borough of Brooklyn (Cal. No. 5).**

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

The Secretary presented a communication, dated July 26, 1915, from the Rockaway Board of Trade favoring the proposed improvement.

(The hearing in this matter was fixed for July 29, 1915, by resolution adopted by the Board on June 25, 1915 (Cal. No. 142). On July 29, 1915 (Cal. No. 10), the hearing was continued to this meeting and the matter referred to the Committee on Assessments.)

The hearing was continued for two weeks (October 1, 1915).

**Hearing on the Proposed Enlarged Area of Assessment in the Proceeding for Acquiring Title to 20th Avenue, from 54th Street to Gravesend Avenue, and to 52d Street, from 18th Avenue to West Street, Borough of Brooklyn (Cal. No. 6).**

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

(The hearing in this matter was fixed for July 1, 1915, by resolution adopted by the Board on June 11, 1915 (Cal. No. 157). On July 1, 1915 (Cal. No. 20), the hearing was continued to July 29, 1915, and on the latter date (Cal. No. 9), to this meeting.)

Mr. Philip M. Bromberg appeared in opposition to the enlarged area of assessment. No one else appearing the hearing was closed.

The matter was laid over until the Corporation Counsel advises the Board that the Commissioners in the proceeding are ready to report definite figures of awards.

**Hearing on the Proposed Area of Assessment in the Matter of Acquiring Title to Gerritsen Avenue, from the Northerly Line of Avenue U, as Laid Out East of Gerritsen Avenue, to Avenue X, Borough of Brooklyn (Cal. No. 7).**

The Secretary presented affidavits of publication, showing that the matter had been duly advertised in accordance with a resolution adopted by the Board on August 26, 1915 (Cal. No. 80).

The hearing was continued for two weeks (October 1, 1915).

*Borough of The Bronx.*

**Hearing on the Proposed Area of Assessment in the Matter of Acquiring Title to Putnam Avenue West from West 233d Street to Van Courtlandt Park South, Borough of The Bronx (Cal. No. 8).**

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

(The hearing in this matter was fixed for July 1, 1915, by resolution adopted by the Board on June 11, 1915 (Cal. No. 159. On the latter date there was presented a communication, dated June 10, 1915, from Mr. C. C. Ferris, objecting to the appointment of Commissioners to determine the awards and assessments in the proceeding instead of having the Court, without a jury, make such determination. On July 1, 1915 (Cal. No. 23), the hearing was continued to July 29, 1915, at which meeting (Cal. No. 11) a representative of the property owners appeared and requested that permission be given to accept cessions of land within the street lines under the rules observed prior to the amendment of the Street Opening Act, and al an enlargement of the area of assessment. The hearing was then continued to September 17, 1915, and the Chief Engineer was directed to consider the effect of cession under the old rule and the equity of extending the area of assessment recommended by him.)

The Secretary presented a report (14922) from the Chief Engineer of the Board recommending the denial of the requests of property owners for the acceptance of cession of lands within street lines under the rules observed prior to the amendment of the Street Opening Act.

Mr. C. C. Ferris appeared and filed a communication, dated September 17, 1915, objecting to the proposed proceeding.

The hearing was continued for two weeks (October 1, 1915).

**Hearing on the Proposed Area of Assessment in the Matter of Acquiring Title to Radcliff Avenue, from the Northerly Line of Sacket Avenue to the Northerly Line of Former Old Pierce Avenue, Distant About 143 Feet Northerly from Sacket Avenue, Borough of The Bronx (Cal. No. 9).**

The Secretary presented affidavit of publication showing that the matter had been duly advertised in accordance with a resolution adopted by the Board on August 26, 1915 (Cal. No. 82).

No one appearing in opposition to or in favor of the proposed area of assessment, the hearing was closed.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment of The City of New York, in pursuance of the provisions of section 970 of the Greater New York Charter, as amended, deems it for the public interest that the title, for the uses and to the extent thereof as herein mentioned, to the real property required for the opening and extending of Radcliff Avenue from the northerly line of Sacket Avenue to the northerly line of former Old Pierce Avenue, distant about 143 feet northerly from Sacket Avenue, in the Borough of The Bronx, City of New York, should be acquired by the City of New York.

Resolved, That the title to be so acquired is hereby determined to be a title in fee in such premises;

Resolved, That the compensation to be made to the owners of the real property to be acquired shall be ascertained and determined by the Supreme Court without a jury;

Resolved, That the Board of Estimate and Apportionment hereby requests the Corporation Counsel to make application to a Special Term of the Supreme Court to have the compensation which should justly be made to the respective owners of the real property proposed to be taken ascertained and determined by the Supreme Court without a jury, and to have the said Court assess the cost and expense of the proceeding upon the real property within the area of assessment hereinafter determined, and to take the necessary proceedings in the name of the City of New York to acquire title as herein determined, wherever the same has not heretofore been acquired, for the use of the public for the same purpose, to the real property that shall or may be required for the purpose of opening and extending Radcliff Avenue from the northerly line of Sacket Avenue to the northerly line of former Old Pierce Avenue, distant about 143 feet northerly from Sacket Avenue, in the Borough of The Bronx, City of New York, upon the receipt by him of a rule map and damage map certified as having been approved by this Board.

Resolved, That no portion of the cost and expense of said proceedings incurred by reason of the provisions of title 4, chapter 17, of the Greater New York Charter, as amended, shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the expense of the Bureau of Street Openings, the cost and expense incurred by the President of the Borough of The Bronx in the preparation of rule, damage and benefit maps for the use thereof; and all other expenses and disbursements authorized by section 977 of said title, as amended, shall be assessed upon the property demed to be benefited thereby; and

Whereas, it appears from the affidavit of the Supervisor of the City Record that due notice was given therein that at the time of the adoption of the resolution directing the institution of proceedings herein to acquire title to the real property required for this improvement that the Board of Estimate and Apportionment would consider a proposed area of assessment as therein described, and would give a public hearing thereon upon the 17th day of September, 1915; and,

Whereas, at the aforesaid time and place a public hearing was given to all persons interested in such proposed area of assessment who appeared, and such proposed area of assessment was duly considered by this Board;

Resolved, That the area of assessment for benefit in these proceedings be and is hereby fixed and determined to be as follows:

Bounded on the north by a line always distant 100 feet northerly from and parallel with the northerly line of Pierce Avenue, the said distance being measured at right angles to Pierce Avenue; on the east by a line midway between Radcliff Avenue and Colden Avenue and by the prolongation of the said line; on the south by the northerly right-of-way line of the New York, New Haven and Hartford Railroad; and on the west by a line always distant 100 feet westerly from and parallel with the westerly line of Radcliff Avenue and the prolongation of the said line, the said distance being measured at right angles to Radcliff Avenue.

Which was adopted by the following vote:

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

**On Franchises.**

**Telephone, Telegraph and Electric Wires on White Plains Road and Gun Hill Road, Borough of The Bronx (Cal. No. 10).**

Hearing, pursuant to the provisions of sections 525 and 527 of the Greater New York Charter of all persons interested, in order that this Board may determine whether, in its opinion, the electrical conductors in White Plains Road, between Gun Hill Road and 242nd Street and in Gun Hill Road between Westchester Avenue and Boston Post Road, shall be placed underground.

At the meeting of December 18, 1914 (Cal. No. 18), the hearing was continued until January 8, 1915 (Cal. No. 19), when it was continued until February 5, 1915 (Cal. No. 18), when it was continued until April 1, 1915 (Cal. No. 16), when it was continued until April 30, 1915 (Cal. No. 10), when it was continued until June 25, 1915 (Cal. No. 17), and on that date continued until this day, at the request of the President of the Borough of The Bronx.

At the meeting of October 30, 1914 (Cal. No. 3), a report was presented from the Bureau of Franchises submitting, for the consideration of the Board, four forms of resolutions approved by the Corporation Counsel providing:

First—For the removal of the wires on both streets.

Second—For the removal of the wires on White Plains Road only.

Third--For the removal of the wires on Gun Hill Road only.
Fourth—For the denial of the request on both streets.

An affidavit of publication of the notice of continued hearing was received from the CITY RECORD.

No one appeared in opposition or in favor.

On motion of the President of the Borough of The Bronx the hearing was closed and the matter was referred to the Committee on Franchises.

## Miscellaneous Hearings.

### Hearing on Proposed Construction of Receiving Basins at Various Points, Borough of Manhattan (Cal. No. 11).

The Secretary presented affidavit of publication showing that the matter had been advertised in accordance with a resolution adopted by the Board on August 26, 1915 (Cal. No. 18).

The Secretary presented the following report of the Chief Engineer:

Report No. 14931. September 14, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on August 26, 1915, a resolution was adopted fixing September 17th as the date for a public hearing in the matter of a request submitted by the President of the Borough of Manhattan for the initiation of a proceeding to construct receiving basins on Madison Avenue at the southwest corner of East 62nd Street and at thirty-five other points described in his request, with the provision that the expense thereof should be assessed upon the property benefited thereby. The improvement was estimated to cost $20,340, and the assessed valuation of the property deemed benefited was reported to be $64,023,100. At the same time the matter was referred to your Engineer for investigation as to the necessity for the improvement.

In this connection the Board was informed by the Borough President that the basins were to be constructed on streets which were to be re-paved during the present season and were intended to provide the necessary facilities for the removal of drainage, their construction at this time being deemed especially desirable in order that the pavement would not have to be mutilated at a later date.

I have made a careful investigation of this matter and, after discussing the question with the Borough President, have agreed with him that the work essential at this time might be limited to the construction of 25 basins at a cost of $14,400, located on streets where re-paving work is about to be undertaken. The construction of the remaining basins might be deferred for a time, and their withdrawal from consideration is requested by the Borough President in a communication submitted herewith.

A table showing the basins immediately needed, their estimated cost, and the assessed valuation of the property deemed benefited, is appended hereto. I would therefore recommend that a resolution be adopted authorizing the construction of the basins enumerated in this table. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

*Table Showing Location of Receiving Basins Which Should Be Installed at Once in Order to Clear the Way for Carrying Out Repaving Improvements.*

| Location. | Estimated Cost. | Assessed Valuation. |
|---|---|---|
| Adjacent to the southwest corner of East 62nd Street and Madison Avenue | $500 00 | $5,159,000 00 |
| Adjacent to the southeast corner of West 25th Street and 8th Avenue | 600 00 | 3,927,000 00 |
| Adjacent to the southwest corner of Broadway and West 52nd Street | 600 00 | 2,718,500 00 |
| Adjacent to the southeast corner of West 151st Street and Broadway | 600 00 | 1,629,000 00 |
| Adjacent to the southwest corner of West 49th Street and 8th Avenue | 600 00 | 2,017,100 00 |
| Adjacent to the southwest corner of Broadway and West 49th Street | 500 00 | 3,256,500 00 |
| Adjacent to the northwest corner of Broadway and West 54th Street, and adjacent to the southeast corner of West 55th Street and 8th Avenue | 1,100 00 | 2,784,500 00 |
| Adjacent to the northwest corner of Broadway and West 53rd Street | 500 00 | 2,862,000 00 |
| Adjacent to the southwest corner of Broadway and West 51st Street | 500 00 | 2,613,500 00 |
| In West 57th Street, adjacent to the southeast corner of Broadway | 600 00 | 4,189,000 00 |
| Adjacent to the southeast corner of Broadway and West 55th Street | 600 00 | 2,833,000 00 |
| Adjacent to the southeast corner of Broadway and West 56th Street | 600 00 | 2,680,000 00 |
| Adjacent to the northeast corner of Broadway and West 51st Street | 600 00 | 1,998,000 00 |
| In Broadway, adjacent to the northwest corner of West 57th Street | 600 00 | 1,725,000 00 |
| In Broadway, adjacent to the northeast corner of West 47th Street | 600 00 | 1,375,000 00 |
| In Broadway, adjacent to the northeast corner of West 48th Street | 600 00 | 1,893,500 00 |
| Adjacent to the northeast corner of Broadway and West 49th Street | 600 00 | 1,729,000 00 |
| Adjacent to the northeast corner of Broadway and West 52nd Street | 600 00 | 1,391,000 00 |
| Adjacent to the northeast corner of Broadway and West 53rd Street, and adjacent to the southeast corner of Broadway and W. 54th St | 1,100 00 | 2,354,000 00 |
| In Broadway, adjacent to the northwest corner of West 56th Street | 500 00 | 2,320,000 00 |
| In West 100th Street, adjacent to the southwest corner of West End Avenue | 800 00 | 4,441,000 00 |
| Adjacent to the southeast corner of East 62nd Street and 3rd Avenue, and the southwest corner of 62nd Street and 2d Avenue | 1,100 00 | 1,071,500 00 |
| Total | $14,400 00 | $56,967,100 00 |

No one appearing in opposition to or in favor of the proposed improvements, the hearing was closed.

The following was offered:

Whereas, the Acting President of the Borough of Manhattan, in a communication dated August 23, 1915, requested the initiation of proceedings for the construction of receiving basins adjacent to the southwest corner of East 62nd Street and Madison Avenue Borough of Manhattan, and at about thirty-five other points in said Borough; the estimated cost thereof being $20,340, and the assessed valuation of the property to be benefited being $64,023,100; and

Whereas, the Chief Engineer of the Board has reported, under date of September 14, 1915, advising that the work be limited at this time to the construction of twenty-five receiving basins, at an estimated cost of $14,400; and

Whereas, pursuant to a resolution adopted by the Board on August 26, 1915, a public hearing was held by the Board on September 17, 1915, at which hearing all persons interested in said local improvements and the assessments therefor were afforded an opportunity to be heard with respect thereto; be it

Resolved, that the Board of Estimate and Apportionment hereby initiates proceedings for the construction of receiving basins at the following points in the Borough of Manhattan:

| Location. | Estimated Cost. | Assessed Valuation. |
|---|---|---|
| Adjacent to the southwest corner of East 62nd Street and Madison Avenue | $500 00 | $5,159,000 00 |
| Adjacent to the southeast corner of West 25th Street and 8th Avenue | 600 00 | 3,927,000 00 |
| Adjacent to the southwest corner of Broadway and West 52nd Street | 600 00 | 2,718,500 00 |
| Adjacent to the southeast corner of West 151st Street and Broadway | 600 00 | 1,629,000 00 |
| Adjacent to the southwest corner of West 49th Street and 8th Avenue | 600 00 | 2,017,100 00 |
| Adjacent to the southwest corner of Broadway and West 49th Street | 500 00 | 3,256,500 00 |
| Adjacent to the northwest corner of Broadway and West 54th Street, and adjacent to the southeast corner of West 55th Street and 8th Avenue | 1,100 00 | 2,784,500 00 |
| Adjacent to the northwest corner of Broadway and West 53rd Street | 500 00 | 2,862,000 00 |
| Adjacent to the southwest corner of Broadway and West 51st Street | 500 00 | 2,613,500 00 |
| In West 57th Street, adjacent to the southeast corner of Broadway | 600 00 | 4,189,000 00 |
| Adjacent to the southeast corner of Broadway and West 55th Street | 600 00 | 2,833,000 00 |
| Adjacent to the southeast corner of Broadway and West 56th Street | 600 00 | 2,680,000 00 |
| Adjacent to the northeast corner of Broadway and West 51st Street | 600 00 | 1,998,000 00 |
| In Broadway, adjacent to the northwest corner of West 57th Street | 600 00 | 1,725,000 00 |
| In Broadway, adjacent to the northeast corner of West 47th Street | 600 00 | 1,375,000 00 |
| In Broadway, adjacent to the northeast corner of West 48th Street | 600 00 | 1,893,500 00 |
| Adjacent to the northeast corner of Broadway and West 49th Street | 600 00 | 1,729,000 00 |
| Adjacent to the northeast corner of Broadway and West 52nd Street | 600 00 | 1,391,000 00 |
| Adjacent to the northeast corner of Broadway and West 53rd Street, and adjacent to the southeast corner of Broadway and W. 54th St | 1,100 00 | 2,354,000 00 |
| In Broadway, adjacent to the northwest corner of West 56th Street | 500 00 | 2,320,000 00 |
| In West 100th Street, adjacent to the southwest corner of West End Avenue | 800 00 | 4,441,000 00 |
| Adjacent to the southeast corner of East 62nd Street and 3rd Avenue, and the southwest corner of 62nd Street and 2d Avenue | 1,100 00 | 1,071,500 00 |
| Total | $14,400 00 | $56,967,100 00 |

Resolved, That the Board of Estimate and Apportionment hereby determines that no portion of the cost and expense of the aforesaid local improvements shall be borne and paid by The City of New York, but that the whole of such cost and expense shall be assessed upon the property deemed to be benefited by the said local improvements.

Which was adopted by the following vote:

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

## FIXING ROADWAY AND SIDEWALK WIDTHS.

*Borough of Brooklyn.*

### 56th Street, from 17th Avenue to the Angle Point About 175 Feet Westerly Therefrom, Borough of Brooklyn—Fixing Roadway Width (Cal. No. 12).

The Secretary presented the following report of the Chief Engineer:

Report No. 14909. September 9th, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on July 1st, 1915, in connection with the consideration of a territorial map involving a change in the lines and grades of the street system adjoining the Bay Ridge branch of the Long Island Railroad, in the Borough of Brooklyn, a resolution was adopted, intended to fix the sidewalk and roadway widths of 56th Street, from 17th Avenue to the angle point about 175 feet westerly therefrom.

My attention has been directed to the fact that the resolution, as incorporated in the minutes, does not accord with the intent of the Board, and it will, therefore, be necessary to adopt a new resolution, under which this will be clearly expressed.

I would accordingly recommend the rescission of the resolution of July 1st, 1915, and the adoption of a new resolution, fixing the roadway width of 56th Street, from 17th Avenue to the angle point about 175 feet westerly therefrom, at 30 feet, this to adjoin a sidewalk 5 feet wide on the southerly side and one 10 feet wide on the northerly side. Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby rescinds the resolution adopted by said Board on July 1, 1915, fixing at 5 feet the width of the southerly sidewalk of 56th Street in the section between 17th Avenue and the angle point about 175 feet westerly therefrom; and fixing the width of the northerly sidewalk, from the latter point, at 10 feet, Borough of Brooklyn.

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, By the Board of Estimate and Apportionment, that the width of the roadway of 56th Street from 17th Avenue to the angle point about 175 feet westerly therefrom, Borough of Brooklyn, is hereby established at 30 feet; this to adjoin a sidewalk 5 feet wide on the southerly side, and to adjoin a sidewalk 10 feet wide on the northerly side.

Which was adopted by the following vote:

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

## APPROVAL OF MAPS AND PLANS.

### Sewerage and Drainage Plans.

*Borough of Queens.*

### Sewerage District No. 40-E, Borough of Queens—Modification in Drainage Plan (Cal. No. 13).

The Secretary presented a communication dated January 13, 1914, from the Secretary to the President of the Borough of Queens transmitting plan showing the proposed modification; and the following report of the Chief Engineer:

Report No. 14915. September 9, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of January 13, 1914, requesting the approval of a modification in the drainage plan for Sewerage District No. 40-E.

This plan relates to the territory bounded approximately by North Curtis Avenue, Metropolitan Avenue, Brevoort Street and its extension, Kew Gardens Road, Maure Avenue and Jamaica Avenue, comprising an area of about 80 acres, and also provides for a modification in the plan of the sewer in North Villa Street between Jamaica Avenue and Ridgewood Avenue.

The plan definitely fixes the sizes and grades of the sewers in the territory north

of Metropolitan Avenue, for which only the lines of drainage were shown on the plans heretofore approved, the street plan at that time not having been adopted.

The completed design as now submitted has necessitated an increase in the outlet sewers proposed in Metropolitan Avenue and in North Villa Street. Advantage appears to have been also taken of the opportunity to redesign the lateral sewer in the latter street in the block between Jamaica Avenue and Ridgewood Avenue, to conform with a recent change made in the street plan.

I see no reason why the plan should not be approved, and would recommend such action. Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the modified drainage plan showing location, sizes and grades for Sewerage District No. 40-E, Borough of Queens, being a design for sewers in the territory bounded approximately by North Curtis Avenue, Metropolitan Avenue, Brevoort Street and its extension, Kew Gardens Road, Maure Avenue and Jamaica Avenue, together with the design for a sewer in North Villa Street, between Jamaica Avenue and Ridgewood Avenue, bearing the signature of the President of the Borough and dated December 29, 1913.

Which was adopted by the following vote:

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

**Sewerage District No. 40-E, Borough of Queens—Modification in Drainage Plan (Cal. No. 14).**

The Secretary presented a communication dated December 24, 1914, from the Secretary to the President of the Borough of Queens transmitting plan showing the proposed modification; and the following report of the Chief Engineer:

Report No. 14916. September 9th, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of December 24th, 1914, requesting the approval of a map showing a modification in the drainage plan for Sewerage District Number 40-E.

This plan relates to the territory bounded approximately by Jamaica Avenue, Troy Street, Metropolitan Avenue, Van Wyck Avenue, the Long Island Railroad and North Cochran Avenue, comprising an area of about 85 acres. It makes provision for a readjustment of the lines of flow of such a character as to clear the way for the construction of a number of lateral sewers which are desired now but which would have to be delayed if the original plan is adhered to, inasmuch as some of the streets traversed by the proposed outlets have not been opened.

The plan also includes a number of modifications which are intended to harmonize with certain grade changes proposed in the territory designed to make the established grades harmonize more closely with existing conditions than did those heretofore fixed, and provides for an increased depth and an improved grade for other sewers.

The grade changes upon which the plan is predicated appear to be reasonable and are shown upon another map awaiting the consideration of the Board.

The plan, in my judgment, is a proper one, and its approval is recommended.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the modified drainage plan for Sewerage District No. 40-E, Borough of Queens, showing the location, sizes and grades of sewers within the territory bounded approximately by Jamaica Avenue, Troy Street, Metropolitan Avenue, Van Wyck Avenue, the lands of the Long Island Railroad and North Cochran Avenue, bearing the signature of the President of the Borough and dated November 12, 1914.

Which was adopted by the following vote:

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

## REPORTS.

### From Select and Special Committees.

**Board of Estimate and Apportionment; Commissioners of the Sinking Fund. Rules Fixing Terms and Conditions Under Which Cessions of Land Within Street Lines May Be Made to the City.**

**Baker Avenue, from Garfield Street to Unionport Road, Borough of The Bronx—Cession of Land (Cal. No. 15).**

(On June 25, July 1 and July 29, 1915, this matter was laid over.)

(On August 5, 1915 (Cal. No. 69), the matter was referred to a Committee consisting of the five Borough Presidents, for conference with the Chief Engineer.)

(On August 26, 1915 (Cal. No. 103), the Board adopted a resolution requesting the above committee to give a hearing on September 8, 1915, on the tentative rules suggested by them, and to report to the Board at this meeting.)

The President of the Borough of The Bronx, on behalf of the Committee consisting of the five Borough Presidents, presented the following report:

New York, September 17, 1915.

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

Gentlemen—At the meeting of the Board of Estimate and Apportionment held on August 5th, 1915, the matter of adopting rules relative to the acceptance of cession of land within the lines of mapped streets, concerning which certain recommendations had previously been made by the Chief Engineer, was referred to your Committee for consideration and with the understanding that an opportunity would be afforded to interested property owners to express their views as to the terms proposed.

Your committee begs to report that on September 8th a public hearing was given, after formal notice thereof in the CITY RECORD. Prior to the date of the hearing, printed copies of the rules, the original draft of which had been modified by your Committee in such a way as to meet the objections which occurred to its members, were freely circulated, and an effort was made to give the matter as much publicity as practicable.

At the hearing, objections were made to the provision under which property owners will be required to make payment to the City for the expense involved in searching their title in cases where satisfactory evidences of ownership were not available, and also to the lack of clearness of some of the provisions, which were alleged to be too complicated to be understood by a property owner not versed in matters of this character. The former objection, your Committee believes, is not tenable, for the reason that the expense incurred, which the City at large would otherwise be obliged to assume, is purely for the benefit of the property owner making the cession, and, although the latter objection may have some merit, it is evident that the technical character of the rules does not admit of simplicity of description, while, on the other hand, the protection of all of the interests involved necessitates a careful and comprehensive definition of the conditions to be imposed.

A number of other criticisms, generally of a minor character, have been directed to the rules, some of which have received the approval of the Committee, the list including one under which provision is made for furnishing to grantors the description of the property ceded. The relieving of the property owners of this expense might be construed as at least, to some extent, offsetting the payment required in certain cases, in order to meet the cost of searching title.

We would recommend the adoption of the rules as now modified, and believe that their effect will be to insure a fair and just treatment to all of the property owners affected thereby in so far as this can be accomplished in a general way. We would point out, however, the probability of special cases arising, of which one has already been called to our attention, where a departure from these rules in some particulars might properly be allowed. Respectfully,

DOUGLAS MATHEWSON, President, Borough of The Bronx; MARCUS M. MARKS, President, Borough of Manhattan; LEWIS H. POUNDS, President, Borough of Brooklyn.

I concur in the above report in all respects, except as to the fee to be paid.

MAURICE E. CONNOLLY, President, Borough of Queens; CALVIN D. VAN NAME, President, Borough of Richmond.

Mr. Frederick D. Van Wyck appeared in favor of the proposed rules.

The following was then offered:

Whereas, it is provided by section 971 of the Greater New York Charter, as amended by chapter 606 of the Laws of 1915, that an owner of real property which the City is authorized to acquire may convey or cede the same to the City provided such real property be free from encumbrances inconsistent with the title to be acquired by the City on such terms and conditions, including exemptions from assessments, as the Board of Estimate and Apportionment may from time to time prescribe, with the approval of the Board of Commissioners of the Sinking Fund, now, therefore, in order to permit of such cessions and conveyances, the Board of Estimate and Apportionment, subject to the approval of the Board of Commissioners of the Sinking Fund, does hereby and in the following resolutions prescribe the terms and conditions, including exemptions from assessments, upon which such conveyances or cessions to the City may be made.

I. Resolved, subject to the approval of the Board of Commissioners of the Sinking Fund, that the Corporation Counsel be and he hereby is authorized to accept deeds conveying to The City of New York title in fee to real property within the lines of streets duly laid out upon the map or plan of The City of New York, subject to the terms and conditions, including exemptions from assessment, hereinafter prescribed.

II. Resolved, that when used in these resolutions unless otherwise expressly stated, or unless the context or subject matter otherwise requires:

A. "Street" means a street duly laid out upon the map or plan of The City of New York.

B. "Easements" mean easements for street purposes.

C. "Block" means all of the area included within the lines of a street between the nearest side lines of two adjacent streets intersecting it.

D. "Frontage area" means the property abutting on a street to a depth of 100 feet, with lateral boundaries approximately at right angles to the side lines of the street.

E. "Linear frontage" means the length of the boundary of the frontage area as measured along the line of the street on which it abuts.

F. "Expense of acquiring title" means the awards made in a proceeding to acquire title.

G. "Cost of acquiring title" means the aggregate of the taxed costs in a proceeding to acquire title.

H. A "parcel" as herein mentioned shall be deemed to be one or more continuous areas of land in one tract and in one ownership.

III. Resolved, that the terms and conditions upon which real property may be conveyed to the City shall be as follows:

1. Real property shall be free from encumbrances inconsistent with the fee title to be vested in the City except in so far as easements for street purposes may exist thereover.

2. All conveyances of real property to the City shall be without compensation other than such exemption from assessment as may be extended or secured to the grantor.

3. Every conveyance submitted to the Corporation Counsel shall be accompanied by an affidavit of title and full abstracts of title to the real property described in the conveyance, together with complete searches in relation thereto, or by a guaranteed certificate of some title insurance company, approved by the Corporation Counsel, guaranteeing the title in fee, or in lieu of such abstract and searches or of such guaranteed certificate of title, the grantor shall pay to The City of New York by depositing with the Corporation Counsel a sum equivalent to twenty-five cents per linear foot of the portion of the street ceded abutting on the frontage area; provided, however, that the total payment by the owner of any one parcel ceded shall not exceed $50.

4. The Corporation Counsel, unless he reject the title for legal cause, shall, as soon as practicable, accept the same and endorse on the conveyance the word "accepted," and the date of acceptance, and shall record the conveyance in the office in which conveyances of real property are required to be recorded. When the conveyance shall have been returned to the Corporation Counsel after being recorded, he shall file the same with the Comptroller of the City.

In case the conveyance is rejected for other cause than a defect in the title, the Comptroller shall return to the grantor any payment which he may have made to the City under the provisions of this resolution.

5. The President of the Borough in which the property to be conveyed is located will, upon application from a grantor, prepare a technical description of the property for incorporation in the deed, providing that proper data is submitted to him to show the relation of the bounding lines of the property to the street lines as laid out upon the City Map.

IV. Resolved, that the acceptance by the Corporation Counsel, pursuant to these resolutions, of conveyances to the City of real property, shall entitle the grantor to exemption from assessment, as follows, and to no greater extent:

1. In case the whole or a part of the real property described in the conveyance be wholly or partly free from street easements, then so much of the frontage area of the grantor's property as has a linear frontage which bears the same proportion to the total linear frontage of the area which is assessable for the improvement for the purposes of which the conveyance is made, in the block in which the conveyed land lies, as the unencumbered real estate in that conveyance bears to the total unencumbered real estate to be acquired in that block for the purposes of the street, shall be exempted from assessment, as of the date of the submission to the Corporation Counsel of all necessary papers in cases where a proceeding for acquiring title to the property for street purposes had not previously been instituted, and as of the date of the acceptance of the conveyance in case such a proceeding had prior thereto been authorized. The linear frontage of the land to be thus exempted is ascertainable by the following formula: So much of the frontage area owned by the grantor as has a linear frontage equal in feet to the number obtained by dividing (a) the total linear frontage in feet on the block in which the ceded land is located, less the linear frontage which has been exempted from assessment, by (b) the quotient obtained by dividing the entire area in square feet within the block which is unburdened by any easement or the fee of which has not been acquired for street purposes, by the number of square feet of area within the block described in the conveyance which is not subject to easements. This exemption so granted shall be from assessments for the cost and expense of acquiring title to any portion of the street except as hereinafter provided. But the exemption from assessments herein mentioned shall not extend or be deemed to cover the proportionate burden of assessment imposed because of awards for damages for buildings, damages to buildings, or for change of grade, or for intended regulation in an opening proceeding, nor shall it be deemed to give the grantor any exemption or right to claim exemption from assessments because of the opening and acquiring title to some part of the street in a proceeding different or other than the proceeding first brought to acquire land included in the block in which the land ceded and conveyed shall lie. Provided, also, that if the Board of Estimate and Apportionment shall have authorized a proceeding to acquire title for street purposes to the real property described in the conveyance, prior to the date of the submission of the necessary papers, the grantor shall be required to pay to the City for the credit of the proceeding, the proportionate share of the cost of acquiring title incurred by the City on account of the proceeding up to the date of the acceptance of the conveyance, chargeable to the grantor's frontage area to be exempted from assessment in case the conveyance is accepted. Further provided, that no cession or conveyance shall be accepted and received by the City unless it shall convey all the land and interests in land which the grantor has and might convey within the limits of the same street in the block in which the land described in the conveyance lies, and up to the centre lines of the intersecting streets which bound that block. Provided, further, that no exemption shall be obtained by virtue of any such grant, conveyance or cession on a frontage area which shall have a greater linear frontage than the average length in feet of the land ceded and conveyed, measured in a direction parallel with the side of the street.

2. In case the entire area described in the conveyance is subject to easements, exemption from assessment similar to that provided in the preceding subdivision hereof shall be granted, if all of the remaining area in the same block of the street be subject to easements or be owned in fee for street purposes by the City. In such cases the proportion of the grantor's frontage area entitled to exemption from assessment shall be determined by the ratio between the area described in the conveyance and the entire area of the street within the same block. If the Board of Estimate and Apportionment shall have authorized the institution of a proceeding to acquire title to the real property described in the convevance, an exemption from assessment shall be granted upon the same terms and conditions provided in such cases under the pre-

ceding subdivision hereof. Exemptions under this paragraph are subject to the same conditions as exemptions under the first paragraph of this resolution.

3. In case all the property described in the conveyance is burdened with easements and property is to be acquired in the same block which is not subject to easements, no exemption from assessment shall be extended to the grantor's remaining property by reason of the cession.

4. In case only a portion of the grantor's frontage area be exempted from assessment, the Corporation Counsel shall furnish the grantor with a certificate definitely describing the area exempted, and shall keep a record thereof in his office. The selection of the area to be exempted may be made by the grantor subject to approval by the Corporation Counsel, and in case of inability to agree with the grantor as to the property to be exempted the Corporation Counsel may designate the same.

5. In case a conveyance of real property to the City for street purposes be made pursuant to a specific agreement between the City and the grantor, no relief from assessment shall be given to the grantor's property other than to such amount as is fixed by the said agreement.

V. Resolved, that the terms and conditions hereinbefore set forth be subject to the following provisions:

In cases where, by reason of divided ownership in small parcels, it would be impracticable for some owners to cede and convey, because, owning no other land, they would obtain no compensation by way of exemption from assessment, and in all other cases where the exemption from assessment which the grantor would be entitled to if his conveyance were accepted pursuant to these resolutions would in the opinion of the Corporation Counsel operate inequitably to other owners of real property within the probable area of assessment to be adopted in a proceeding to acquire title to the remainder of the street, the Corporation Counsel shall submit the facts in relation thereto to the Board of Estimate and Apportionment for such action as it shall deem just.

VI. Resolved, that the moneys received by the Corporation Counsel as hereinbefore provided, shall be disposed of in the following manner:

1. That the Corporation Counsel shall forward to the Comptroller all moneys deposited with him to defray the expense of examining title to real property ceded to the City, pursuant to these resolutions, and the Comptroller shall deposit such moneys in the General Fund for the Reduction of Taxation.

2. That the Comptroller and Corporation Counsel shall credit to the account of any proceeding any payment made by a grantor under the provisions of Articles Nos. 1 and 2 of paragraph IV of these resolutions, as his proportionate share of the cost of the proceeding.

Which were adopted by the following vote:

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

## From Standing Committees.

*Committee on Corporate Stock Budget.*

### President, Borough of Manhattan; Department of Docks and Ferries—Issue of Corporate Stock (Cal. No. 16).

The Secretary presented a communication dated July 15, 1915, from the Acting President of the Borough of Manhattan, renewing request of October 29, 1914, for an issue of corporate stock in the sum of $18,250, to be used for the construction of a barrel sewer under Pier 26, East River, foot of Catherine Street; 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, August 16, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On July 15, 1915, the Acting President of the Borough of Manhattan addressed a communication to the Board of Estimate and Apportionment in reference to an appropriation of $18,250 in corporate stock to provide funds for the construction of a barrel sewer under Pier 26, East River, foot of Catherine Street. This communication was referred to the Bureau of Contract Supervision on July 20, 1915.

On July 21, 1915, the Acting President of the Borough of Manhattan addressed another letter to the Board of Estimate and Apportionment on the same subject and enclosed copy of a letter from the Dock Commissioner dated July 15, 1915, which was addressed to the President of the Borough of Manhattan.

The Delaware, Lackawanna and Western Railroad Company is building Pier 26, East River, under an agreement with the City. This work involves the destruction of two old piers and bulkhead, and the barrel sewer, foot of Catherine Street, which was carried by one of the old piers.

The Board of Estimate and Apportionment supplied funds in 1914 for the reconstruction of the Catherine Street sewer in West Street and through the new bulkhead, at which point the sewage is now discharged.

The letter of the Dock Commissioner to the Borough President states that the Railroad Company is complaining of the nuisance caused by the discharge of the sewer at the bulkhead line, and there is no doubt that sewage discharge there does cause a nuisance in the hot weather. Provision has been made upon the new pier for carrying the barrel sewer from the bulkhead line to the outer end of the pier. The sewer under the old pier was in fair condition when it was destroyed and it would seem that the cost of building a new sewer and new pier under such circumstances was incidental to the construction of the new pier and the cost might properly be included in the cost of the pier. Inasmuch as this was not done there seems to be no course other than to provide the funds necessary for the work.

A detailed estimate of the cost of the sewer has been prepared and it is believed that the estimate submitted, $18,250, is very close to what the work will cost.

We recommend the authorization of an issue of corporate stock in the amount of $18,250 to meet cost of this improvement.

The approval of the attached resolution will effect the recommendation.

Respectfully, ALEX. BROUGH, Deputy and Acting Comptroller; HENRY H. CURRAN, Acting President, Board of Aldermen; LEWIS H. POUNDS, 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 hereby determines that the whole cost and expense shall be borne and paid by The City of New York for the construction, under the jurisdiction of the President of the Borough of Manhattan, of the Catherine Street sewer upon pier No. 26, East River, on account of the changes in the bulkhead lines and the reconstruction of piers by the Department of Docks and Ferries; and be it further

Resolved, That for the purpose of providing the necessary means therefor, the Comptroller be and is hereby authorized to issue corporate stock of The City of New York pursuant to the provisions of sections 169 and 176 of the Greater New York Charter, maturing not more than fifteen (15) years after date of issue, to an amount not exceeding eighteen thousand two hundred fifty dollars ($18,250), the proceeds thereof to the amount of the par value of the stock 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, specification, estimates of cost, and forms of such contracts which shall be submitted to said Board by the President of the Borough of Manhattan, 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 Mayor, the Comptroller, the President of the Board of Aldermen, and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

### President, Borough of Brooklyn—Amendment of Issue of Corporate Stock for Repaving Streets (Cal. No. 17).

The Secretary presented a communication, dated September 2, 1915, from the Acting President of the Borough of Brooklyn, requesting amendment of resolution adopted by the Board on May 14, 1915, authorizing an issue of Corporate Stock in the sum of $600,000 for repaving various streets, so as to include the repaving of Broadway, from Havemeyer street to Patchen avenue, in said Borough; 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, September 8, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 3, 1915, you referred to the Corporate Stock Budget Committee a communication from the President of the Borough of Brooklyn, dated September 2, 1915, in which it is requested that the list of streets authorized for repaving, out of an issue of corporate stock of $600,000, authorized by your Board on May 14, 1915, be amended so as to include the repaving of Broadway, from Havemeyer street to Patchen avenue, Brooklyn, at an estimated cost of $120,000.

The request of the President of the Borough of Brooklyn has been investigated and the Bureau of Contract Supervision reports as follows:

"Broadway, from Havemeyer street to Patchen avenue, Brooklyn, is now paved with wood block that was laid in 1912 on a concrete foundation that was already in place and which was laid about 1905, at which time the street was paved with asphalt block.

"Broadway, within the limits of the proposed contract, is traversed by street railway, so that a portion of the area is under the City jurisdiction and a portion under the railroad jurisdiction. The area under the railroad jurisdiction, in and between the tracks, is now in fair condition, and the railroad is making improvements.

"The estimated cost of repaving will include the City area and 2 feet of the railroad area outside the outer rails.

"The present pavement has failed, due, most likely, to local conditions, and it is questionable as to whether or not the City will be in a position to recover any damages from the contractor, who has refused to make further repairs, claiming that the defect in the pavement is not due to improper material and workmanship. This feature of the contract, requiring that the contractor continue the maintenance until 1917, has been referred to the Corporation Counsel for action, and the President of the Borough is taking steps to declare the present contract abandoned.

"During 1912 and 1913 the contractor maintained the pavement at his own expense, considerable repairs being necessary during 1913. During 1914 repairs made by the Bureau of Highways of the Borough of Brooklyn cost the City $23,641, and it is estimated that to put the street in good repair at this time it would require an expenditure of approximately $45,000, without any assurance that the partially reconstructed pavement would be satisfactory for any length of time.

"It is believed to be to the best interest of the City that the entire existing pavement, including the foundation, be removed, and that a granite block pavement on a concrete foundation should be laid.

"It is proposed to charge the expense of this work to the existing authorization for repaving, no additional funds being requested, this to be accomplished in two ways, by eliminating certain repaving that has already been authorized, but which is not as essential as the repaving of Broadway, and by the using of moneys that have accrued, owing to bid prices on other contracts being less than the amount allowed in the estimates of cost."

We recommend the adoption of the attached resolution modifying the schedule of repaving certain streets in the Borough of Brooklyn, as authorized May 14, 1915. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller; HENRY H. CURRAN, 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 resolution adopted by the Board of Estimate and Apportionment on May 14, 1915, authorizing an issue of corporate stock in the amount of six hundred thousand dollars ($600,000) for the repaving of streets and avenues in the Borough of Brooklyn be and hereby is *amended* by adding to the list of streets contained in said resolution the following: *Broadway, from Havemeyer street to Patchen avenue.*

Which was adopted by the following vote:

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

### President, Borough of The Bronx—Repaving Mott Avenue, Between 138th and 151st Streets (Cal. No. 18).

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, August 16, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—In the corporate stock requests for repaving submitted to your board by the President of the Borough of The Bronx for work to be done during the year 1915, there was included in the list of streets, Mott Avenue between 138th and 151st streets, on which repaving is necessary because the original pavement has been entirely removed during the period of rapid transit construction.

On April 1st, 1915, your Board agreed to concur in the transfer of $210,000 from the rapid transit accounts to the President of the Borough of Manhattan and the President of the Borough of The Bronx. The above sum of money was to be used by the Borough Presidents with additional amounts of corporate stock to be allowed by your Board in repaving the streets affected by rapid transit improvements.

In connection with the request of the President of the Borough of The Bronx, the Bureau of Contract Supervision reports thereon as follows:

"A report is being prepared for the Board of Estimate and Apportionment giving all details and estimates of cost for the repaving work that is to be done out of the fund which is to be transferred from the Public Service Commission accounts and added to by an additional issue of corporate stock. However, this report cannot be submitted at this time as all the data necessary has not been forwarded by the President of the Borough of Manhattan.

"In view of the desirability of proceeding with the work on Mott Avenue, Borough of The Bronx, the estimate of cost of which is $24,000 for construction, it is believed to be to the best interest of the City and especially to the Borough that the President of the Borough of The Bronx be authorized to award the contract for the repaving of Mott Avenue with a permanent pavement charging the same to the repaving fund, Code C. P. X. 48, in which there was on August 14, 1915, an unencumbered balance of about $240,000, and when the transfer of funds from the Public Service Commission and the issue of the additional corporate stock necessary to complete the work on the streets affected by rapid transit construction has been finally authorized by the Board of Estimate and Apportionment, that the account C. P. X. 48 be credited with the amount charged against it because of repaving Mott Avenue from 138th to 151st streets."

In order to expedite the work that the President is anxious to complete at an early date, we recommend the adoption of the attached resolution. Respectfully,

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

The following resolution was offered:

Resolved, That the President of the Borough of The Bronx be and is hereby authorized to charge the cost of repaving Mott Avenue between 138th and 151st streets, Borough of The Bronx, in an amount not exceeding twenty-seven thousand dollars ($27,000), to include construction cost and engineering expenses, to Code C. P. X. 48, provided, however, that no contract shall be made for repaving unless the said Borough President submits to the Comptroller with such contract, evidence showing that the original pavement on such avenue was laid at the expense of the abutting property owners or by local taxation or by bond issue paid by the locality before consolidation, unless the Board of Estimate and Apportionment shall otherwise determine upon presentation of the facts and circumstances affecting such avenue.

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Alder-

men and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

*Committee on Tax Budget.*

**Municipal Art Commission—Proposed Agreement With Municipal Art Society to Publish a Series of Illustrated Monographs of Certain Public and Historical Buildings and Monuments of the City and for the Sale Thereof (Cal. No. 19).**

(On April 1, 1915 (Cal. No. 170), this matter was referred to the Committee on Tax Budget.)

The Secretary presented a communication, dated March 23, 1915, from the Municipal Art Society of New York, proposing to enter into an exclusive agreement with the City, to publish in collaboration with the Municipal Art Commission, a series of illustrated monographs of certain of the public and historical buildings and monuments of the City, etc., and the following report of the Committee on Tax Budget, recommending denial of the application:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, August 26, 1915.

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

Gentlemen—At the meeting of your honorable board on April 1, 1915, a commission from the Municipal Art Society of New York, proposing the publication of a series of handbooks of public buildings and monuments bearing the city seal, was referred to the Committee on Tax Budget. The facts ascertained with reference to the matter are as follows:

The Municipal Art Society has a membership of about 500, Charles W. Stoughton being President and Raymond B. Fosdick, Vice-President. Its aim is to assist in raising the artistic standard for public buildings, parks, monuments, etc., and general plans for the city's development. It pursues this aim by studies, discussions, competitions for prizes and generous contributions of time and money from the members. Through its efforts $30,000 was collected for mural decorations in the foyer of the Washington Irving High School, and a number of artistic tablets and other details are its direct gift to the city.

The present plan is to publish brief monographs descriptive of a few of the more notable buildings, containing such historical facts as are pertinent, introducing carefully selected illustrations and presented in a form that would appeal to the book lover. Exclusive authorization to use, for a period of ten years, the city's imprint and seal and to have the booklets sold at a fixed price in the buildings in question and elsewhere is sought. The society is ready to bear all the cost of publication, in the work of which the Art Commission would collaborate, and the net profits would be expended, under the advice of that commission, on works of art to be given to the city. Dr. John Q. Adams, Assistant Secretary of the Art Commission, fully approves of the plan and on the occasion of its informal presentation before the commission this attitude appeared to be unanimous.

The nature of the proposition, the character of its sponsors and the fact that no appropriation or pecuniary risk would be involved are much in its favor.

The Comptroller, however, uncertain of the legal aspect of a use of the city's seal or publications of a private society has obtained an opinion from the Corporation Counsel on this point, to the effect that the conditions are similar to those described in an inquiry received from the Merchants' Association in 1914. The opinion rendered on that case at the request of Mr. Theodore Rousseau, Secretary to the Mayor, contained the following sentences:

> "A seal in its original significance was a substitute for a signature. In modern times, while the idea of a signature has been abondoned, the seal has nevertheless retained an important significance. While there seems to be no direct statutory prohibition against the use of the city's seal it is quite probable that an action in equity might be maintained to enjoin its use, since the city possesses a property right to it, although its right may be somewhat different from a proprietor's right to a trade mark or a registered label."

Pursuant to this opinion an adverse decision was reached on the proposal transmitted by the Merchants' Association. Though an element of pecuniary profit entered into that case and is absent from the one now under discussion one principle is applicable to both. The seal of the city is not a piece of ordinary public property, but one with a definitely official significance, and, in the opinion of your committee, its use for any unofficial purpose would be of doubtful propriety. The adoption of the appended resolution denying the application of the Municipal Art Society is therefore recommended. Respectfully submitted,

WM. A. PRENDERGAST, Comptroller; HENRY H. CURRAN, Acting President, Board of Aldermen; E. W. VOORHIES, Acting President, Borough of Brooklyn; DOUGLAS MATHEWSON, President, Borough of The Bronx; Committee on Tax Budget.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby *denies* the application of the Municipal Art Society, dated March 23, 1915, for authorization of the use of the city's imprimatur and seal on a series of illustrated monographs of historical buildings and monuments.

Which was adopted by the following vote:

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

*Committee on Salaries and Grades.*

**President, Borough of Richmond—Increase in Salaries of Inspectors (Cal. No. 20).**

The Secretary presented a communication, dated August 2, 1915, from the President of the Borough of Richmond, requesting increase in salaries of seven inspectors; and the following report of the Committee on Salaries and Grades relative theerto:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, August 16, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—Under date of August 2, 1915, the Commissioner of Public Works, Borough of Richmond, addressed the following communication to the Board of Estimate and Apportionment:

> "On July 16th, as Acting President of the Borough, I increased the salaries of seven Inspectors in this office:
>
> "Bureau of Highways—
>
> | | |
> |---|---|
> | Thaddeus Carlin | From $1,500 to $1,650 per annum |
> | Harry R. Denyse | From $1,500 to $1,650 per annum |
> | Cornelius C. Jones | From $1,500 to $1,650 per annum |
>
> "Bureau of Street Cleaning—
>
> | | |
> |---|---|
> | James T. Fahy | From $1,500 to $1,650 per annum |
> | George H. Kress | From $1,500 to $1,650 per annum |
> | James Hall | From $1,500 to $1,650 per annum |
> | John J. Monahan | From $1,500 to $1,650 per annum |
>
> "In the bureaus to which these men are attached the appropriation is made as a lump sum with alternative rates allowed in the schedules for Inspectors, and for this reason I was under the impression that action by the Board was unnecessary.
>
> "The payroll for the increased amount, however, has been disallowed in the Finance Department for the reason that there is a violation of rule 20 of the Budget rules.
>
> "I would therefore request your approval of the increases in salary as of July 16, in accordance with rule 20, if this is necessary to validate the increases."

The Budget resolution referred to in the communication quoted provides that vacancies occurring after January 31, 1915, shall be filled only after certificate by the duly authorized representative of the Board of Estimate and Apportionment, that the title and compensation for such vacant position conform to the standard title, work, specifications and compensation grades fixed by the Board of Estimate and Apportionment.

This resolution does not apply to the positions named by the Commissioner of Public Works. Those positions are covered by an exception to the Budget resolution, which exception reads as follows:

> "Resolved, That nothing in the foregoing resolutions shall be construed as nullifying the resolutions preceding the so-called 'cost data appropriation' for the Bureau of Highways, the Bureau of Sewers and the Bureau of Street Cleaning in the Department of the President of the Borough of Richmond."

The line in question in the Bureau of Highways reads as follows:

| No. of Incumbents. | Position. | Salary or Wage Rate. |
|---|---|---|
| 4 | Inspector | $1,350, $1,500, $1,650 per annum |

This line was set up with the intention that the Borough President could exercise his discretion in filling the four positions of Inspector at one of the three rates named. In other words, the line provides for four Inspectors at $1,650, or four at $1,500, or four at $1,350, or for any combination, provided that the number of incumbents does not exceed four and each of the incumbents receive one of the three salaries named. The object of this was to give that elasticity which had been urged in favor of the so called "cost data budget."

The line in question in the Bureau of Street Cleaning reads as follows:

| No. of Incumbents. | Position. | Salary or Wage Rate. |
|---|---|---|
| 5 | Inspector | $1,350, $1,500, $1,650 per annum |

The same statements apply to this line as apply to the line of the Bureau of Highways. It was intended that the Borough President could give any one or all of the five inspectors any one of the three salaries mentioned.

Of course, it was understood that the total allowance for any quarter should not be exceeded in that quarter except by action of the Board of Estimate and Apportionment. If the Borough President keeps within his quarterly allowance there is no rule which could prevent the payment of the salaries proposed.

In making this report we have so far confined our statements to the facts as affected by the budget resolution. However, we feel it incumbent upon us to point out that the possibilities of increases in the "cost data budget" constitute a very unfair discrimination against employees in other departments where there are no such possibilities. We believe that the budget resolution should apply to all employees alike but unfortunately there is nothing in the resolution in the Budget of 1915 which stands in the way of the promotions proposed by the Borough President.

We recommend that in the preparation of the Budget of 1916, the Board of Estimate and Apportionment consider very carefully the advisability of discontinuing an experimental form of Budget for the Borough of Richmond which takes away from the Board of Estimate the power of control which it exercises over other departments. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller; HENRY H. CURRAN, Acting President, Board of Aldermen; Committee on Salaries and Grades.

The matter was referred to the Committee on Tax Budget and the Secretary was directed to send copy of the report of the Committee to the President of the Borough of Richmond.

**Department of Parks, Boroughs of Manhattan and Richmond—Transfer of Appropriation and Modification of Schedules (Cal. No. 21).**

The Secretary presented a communication dated September 1, 1915, from the Commissioner of Parks, Boroughs of Manhattan and Richmond, requesting a transfer of $2,205.57 within the appropriation for said department for 1915; and the following report of the Committee on Salaries and Grades recommending approval thereof to the extent of $1,890, and modification of schedules:

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

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 2, 1915, you referred to this Committee a communication from the Commissioner of Parks, Boroughs of Manhattan and Richmond, dated September 1, 1915, requesting the transfer of $2,205.57 within appropriations to the Department of Parks, Manhattan and Richmond, for the year 1915. This request has been investigated and the Bureau of Contract Supervision reports thereon as follows:

> "It is proposed to transfer from 'Code 1125, Care of Trees in City Streets,' the sum of $2,205.57 to 'Code 1124, Care of Parks and Boulevards,' both accounts being for Wages, Temporary Employees. The line item to be modified in each schedule is that of 'Gardener, at $2.50 per day.' The object of making this transfer of funds and modification of schedules is for the purpose of providing under the proper code number a sufficient number of employees to care for the work of improving the lawns and grounds in City parks, it being believed that at this time this work is more important than the work of caring for trees in City streets, especially as there is no specific program for an allowance available for material for this work at this time, and further, as it is the intention of the Commissioner of Parks to submit to the Board of Estimate and Apportionment sometime in the early part of 1916 a comprehensive plan for the development of the tree situation in the City streets of the Borough of Manhattan.
>
> "After a conference, it has been agreed by the Department of Parks that the sum of $1,890, if transferred from Code 1125 to Code 1124, providing for the employment of twenty-one men under the title of Gardener, for a period of thirty-six days, at $2.50 per day, will be sufficient to meet the requirements of the department."

We recommend the adoption of the attached resolutions, which will grant the request as amended by providing for the transfer of funds and the modification of the schedules involved. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller; HENRY H. CURRAN, 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 Parks, Boroughs of Manhattan and Richmond, for the year 1915, as follows:

FROM

*Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1125 | Care of Trees in City Streets | $1,890 00 |

TO

*Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1124 | Care of Parks and Boulevards | $1,890 00 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Parks, Boroughs of Manhattan and Richmond, for the year 1915, as follows:

*Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1124 | Care of Parks and Boulevards: | |
| | Foreman, at $4 per day (365 days) | $1,460 00 |
| | Laborer, at $3 per day (1,878 days) | 5,634 00 |
| | Laborer, at $2.50 per day (114,831 days) | 287,077 50 |
| | Gardener, at $3.50 per day (1,460 days) | 5,110 00 |
| | Gardener, at $2.50 per day (3,456 days) | 8,640 00 |
| | Climber and Pruner, at $2.50 per day (6,000 days) | 15,000 00 |
| | Driver, at $2.75 per day (8,034 days) | 22,093 50 |
| | Driver, at $2.50 per day (9,476 days) | 23,690 00 |
| | Schedule total | $368,705 00 |

*Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1125 | Care of Trees in City Streets: | |
| | Gardener, at $2.50 per day (874 days) | $2,185 00 |
| | Climber and Pruner, at $2.50 per day (3,228 days) | 8,070 00 |
| | Schedule total | $10,255 00 |

Which was adopted by the following vote:

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

**Department of Education—Rates of Compensation for Janitors in Public Schools (Cal. No. 22).**

The Secretary presented resolutions adopted by the Board of Education on July

14 and August 11, 1915, requesting establishment of rates of compensation for janitors in public schools in the Boroughs of Manhattan, Brooklyn and Queens; and the following report of the Committee on Salaries and Grades relative thereto:

City of New York, Board of Estimate and Apportionment, Municipal Building, Committee on Education, August 24, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On July 14 and August 11, 1915, the Board of Education requested establishment, pursuant to the provisions of section 56 of the Greater New York Charter, of rates of compensation for the janitor of the Murray Hill Vocational School, Manhattan Trade School for Girls, East 91st Street Supply Depository, Public Schools 8 Manhattan, 135 Brooklyn, 45, 63 and 99 Queens. In connection therewith we report as follows:

For the janitor of the Murray Hill Vocational School an allowance of $50.00 is proposed in addition to his regular compensation to reimburse him for expense incurred by him in employing the services of a watchman from June 1 to June 30, 1915. This allowance is made necessary by the fact that the Committee on Care of Buildings, Board of Education, authorized the janitor of said school to employ a watchman throughout the year, allowing him additional compensation at the rate of $600 per annum, which action was ratified and approved by the Board of Education on June 9, 1915. Subsequently when this matter came before the Committee on Salaries and Grades of your Board for investigation and report it was recommended that the request for the establishment of the increased rate of compensation for the janitor of the Murray Hill Vocational School be disapproved. The Committee on Care of Buildings, Board of Education, accordingly advised the janitor on June 30, 1915, to discontinue the services of the watchman.

With regard to the Manhattan Trade School for Girls additional compensation at the rate of $50 per month is proposed for the janitor. The request of The Board of Education states that the allowance is for the purpose of engaging the services of a cleaner to care for fourth floor of the Fifth National Bank Building used as an annex to said school and also for the care of room 213 of the main building. In this connection, it should be noted that the janitorial compensation for the main building of the Manhattan Trade School for Girls, located at 209-213 East 23rd Street, if based on the adopted measurement schedule would be $1,860 per annum, as against $2,076 actually fixed for said building, the former rate not providing for the additional space above mentioned for which extra compensation is requested.

As regards the additional space, Superintendent C. B. T. Snyder states that the Board of Education has been unable to procure the further use of the loft in the Fifth National Bank Building as proposed. Concerning the additional room in the main building which has been acquired it should be noted that it has an area of only 2,250 square feet. In view of the foregoing facts it is recommended that the proposed additional compensation for the janitor of the Manhattan Trade School for Girls be not allowed.

The other items in the request embrace the fixation of sundry temporary rates for the following buildings to which janitors have been temporarily assigned:

| Name. | Compensation. |
|---|---|
| East 91st Street Supply Depository | $50 00 per month |
| P. S. 8 Manhattan | 2,136 00 per annum, less $299 |
| P. S. 135 Brooklyn | 60 00 per month |
| P. S. 45 Queens | 10 00 per month |
| P. S. 63 Queens | 50 00 per month |
| P. S. 99 Queens | 10 00 per month |

We recommend the adoption of the attached resolution granting the request with the exception of the Manhattan Trade School for Girls. Respectfully,

WM. A. PRENDERGAST, Comptroller; GEORGE McANENY, President, Board of Aldermen; Committee on Salaries and Grades.

The following was offered:

Whereas, By opinions of the Corporation Counsel as of June 28 and July 30, 1910, the Comptroller was advised that the payment of salaries of Janitors in the Department of Education was illegal unless such salaries shall have been established under the provisions of section 56 of the Greater New York Charter; and

Whereas, The Special Committee on Janitorial Compensation and the Committee on School Inquiry, Board of Estimate and Apportionment, submitted a joint report on March 27, 1913, which contained detailed suggestions and recommendations for the reorganization of the Janitorial force of the Department of Education; therefore be it

Resolved, That pursuant to the provisions of section 56 of the Greater New York Charter, the Board of Estimate and Apportionment hereby recommends to the Board of Aldermen, pending action by the Board of Education on the aforesaid report, that the compensation of Janitors in the Department of Education be fixed temporarily and until further modified in accordance with the following list:

| | |
|---|---|
| Janitor, Murray Hill Vocational School, for additional compensation for the period from June 1 to June 30, 1915 | $50 00 |
| Janitor East 91st Street Supply Depository, per month | 50 00 |
| Janitor, P. S. 8 Manhattan, per annum less $299 | 2,136 00 |
| Janitor, P. S. 135, Brooklyn, per month | 60 00 |
| Janitor, P. S. 45, Queens, per month | 10 00 |
| Janitor, P. S. 63, Queens, per month | 50 00 |
| Janitor, P. S. 99, Queens, per month | 10 00 |

Which was adopted by the following vote:

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

### Department of Water Supply, Gas and Electricity—Establishment of Grade of Position of Bookkeeper (Cal. No. 23).

The Secretary presented a communication dated July 27, 1915, from the Deputy Commissioner of Water Supply, Gas and Electricity, 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 relative thereto:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, August 27, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On July 27, 1915, the Commissioner of Water Supply, Gas and Electricity requested authorization, pursuant to the terms and conditions of resolution "Second (c)" of the 1915 Budget, to fill a vacancy of Clerk at $900 per annum in his office. The Bureau of Standards reports thereon as follows:

"In Salaries Regular Employees, Water Revenue Collection, 2169, Tax Levy Force, a vacancy of Clerk at $900 exists. It is proposed to fill the position by appointment from an eligible list.

"The duties to be performed by the incumbent fall within Grade 1 of the specifications for the Bookkeeper Group with a salary range from $840 to $1,200.

"Many employees of this office whose Civil Service title is Clerk are performing duties which logically fall in the Bookkeeper Group. The position of Bookkeeper at $840 is not established for the office."

In view of the foregoing report we recommend the adoption of the attached resolution requesting the Board of Aldermen to establish the position of Bookkeeper at $840. Respectfully,

WM. A. PRENDERGAST, Comptroller; HENRY H. CURRAN, Acting Mayor; Committee on Salaries and Grades.

The following resolution was offered:

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 Department of Water Supply, Gas and Electricity, of the grade of position, in addition to those heretofore established, as follows:

| Title | Rate Per Annum. | Number of Incumbents. |
|---|---|---|
| Bookkeeper | $840 00 | Unlimited. |

Which was adopted by the following vote:

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

### Department of Public Charities—Establishment of Grade of Position of Private Secretary (Cal. No. 24).

The Secretary presented a communication dated August 17, 1915, from the Third Deputy Commissioner of Public Charities requesting authority to fill vacant position of Private Secretary; and the following report of the Committee on Salaries and Grades relative thereto:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, August 30, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 17, 1915, the Department of Public Charities requested permission to fill the vacant position of Private Secretary at $3,000 per annum, the request necessitating a grade establishment.

The Bureau of Standards reports thereon as follows:

"This request is to appoint Elmer Roberts to the vacant position of Private Secretary at $3,000 per annum in Code No. 1910. The position has been appraised under the standard rate of specifications at $2,880 per annum, and the Committee on Salaries and Grades, under the authority granted by the resolution of the Board of Estimate on July 1st, 1915, have approved the filling of this position at the nearest established rate, $3,000 per annum, pending the establishment at $2,880, the appraisal rate of the specifications."

We, therefore, recommend the adoption of the attached resolution recommending to the Board of Aldermen the establishment of the grade of position of Private Secretary at $2,880 per annum for one incumbent in the Department of Public Charities. Respectfully,

WM. A. PRENDERGAST, Comptroller; HENRY H. CURRAN, Acting Mayor; Committee on Salaries and Grades.

The following resolution was offered:

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 Department of Public Charities of the grade of position, in addition to those heretofore established, as follows:

| Title. | Rate Per Annum. | Number of Incumbents. |
|---|---|---|
| Private Secretary | $2,880 00 | One |

Which was adopted by the following vote:

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

### Department of Public Charities; Department of Correction—Transfer of Appropriation and Modification of Schedules (Cal. No. 25).

The Secretary presented a communication dated August 31, 1915, from the Third Deputy and Acting Commissioner of Public Charities requesting a transfer of $134 from within the appropriation for said Department for 1915, to the Department of Correction; and the following report of the Committee on Salaries and Grades recommending approval thereof in the sum of $133.32, and modification of schedules:

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

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 31, 1915, the Department of Public Charities requested transfer within budgetary appropriations for the year 1915, as follows:

DEPARTMENT OF PUBLIC CHARITIES.

*Salaries, Temporary Employees, Non-Institutional Care for Dependents, Dependent Sick or Poor.*

1941 Hospital Helpers ..... $134 00

TO

DEPARTMENT OF CORRECTION.

*Salaries, Temporary Employees, Personal Service, Care of Plant and Inmates.*

2643 Penitentiary ..... $134 00

On September 2, 1915, this request was referred to the Bureau of Contract Supervision, which bureau reports thereon as follows

"The purpose of the proposed transfer is to provide means for the employment of a Keeper to supervise a gang of prisoners for two months, in repairing the sea wall in the City Hospital District, Blackwells Island. It is estimated that the repairs to the wall, which are urgent, if done by contract will cost $600. There is sufficient stone and materials at present on the Island for this work, and the Commissioner of Correction is willing that the work be done with prison labor, but because of the large amount of work being done at other locations there is no Keeper at present employed by the Department that can be spared to supervise the men for this job."

We recommend the adoption of the attached resolution approving the transfer of $133.32 for the purposes of the request and modifying the schedules involved.

Respectfully, ALEX. BROUGH, Deputy and Acting Comptroller; HENRY H. CURRAN, 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 for the year 1915 as follows:

FROM

DEPARTMENT OF PUBLIC CHARITIES.

*Salaries, Temporary Employees, Non-Institutional Care for Dependents, Dependent Sick or Poor.*

1941 Hospital Helpers ..... $133 32

TO

DEPARTMENT OF CORRECTION.

*Salaries, Temporary Employees, Personal Service, Care of Plant and Inmates.*

2643 Penitentiary ..... $133 32

Which was adopted by the following vote:

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

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the year 1915, as follows:

DEPARTMENT OF PUBLIC CHARITIES.

*Salaries, Temporary Employees, Non-Institutional Care for Dependents, Dependent Sick or Poor.*

1941 Hospital Helpers ..... $17,866 68

DEPARTMENT OF CORRECTION.

*Personal Service, Salaries, Temporary Employees, Prison Service, Care of Plant and Inmates.*

| | Paid from Tax Levy Appropriation. | Paid from Special Revenue Bonds. | Total. |
|---|---|---|---|
| 2643 Penitentiary— | | | |
| Keeper, 8 at $800 per annum (9 months) | ..... | $4,800 00 | $4,800 00 |
| Keeper, 1 at $800 per annum (2 months) | $133 32 | ..... | 133 32 |
| Salary Increases for Length of Service— | | | |
| Keeper, $900 to $1,050 per annum, due January 6, 1915 | 147 98 | ..... | 147 98 |
| Keeper, $1,050 to $1,200 per annum, due March 1, 1915 | 125 00 | ..... | 125 00 |
| Keeper, $800 to $900 per annum, due March 17, 1915 | 79 03 | ..... | 79 03 |
| Keeper, $1,050 to $1,200 per annum, due April 1, 1915 | 112 50 | ..... | 112 50 |
| Keeper, $800 to $900 per annum, due May 19, 1915 | 61 83 | ..... | 61 83 |

| | Paid from Tax Levy Appropriation. | Paid from Special Revenue Bonds. | Total. |
|---|---|---|---|
| Keeper, $900 to $1,050 per annum, due July 1, 1915 | 75 00 | ..... | 75 00 |
| Keeper, $900 to $1,050 per annum, due August 1, 1915 | 62 50 | ..... | 62 50 |
| Keeper, $900 to $1,050 per annum, due August 4, 1915 | 61 29 | ..... | 61 29 |
| Keeper, $800 to $900 per annum, due September 22, 1915 | 27 50 | ..... | 27 50 |
| Keeper, $800 to $900 per annum, due December 1, 1915 | 8 33 | ..... | 8 33 |
| Matron, $600 to $750 per annum, due May 7, 1915 | 97 58 | ..... | 97 58 |
| Matron, $600 to $750 per annum, due June 17, 1915 | 80 83 | ..... | 80 83 |
| Matron, $600 to $750 per annum, due December 11, 1915 | 8 47 | ..... | 8 47 |
| Schedule Total | | | $5,881 16 |
| Tax Levy Allowance | | | $1,081 16 |
| Special Revenue Bond Allowance | | | 4,800 00 |
| | | | $5,881 16 |

Which was adopted by the following vote:

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

**Department of Correction—Transfer of Appropriation and Modification of Schedules (Cal. No. 26).**

The Secretary presented a communication dated August 27, 1915, from the Deputy and Acting Commissioner of Correction requesting modification of schedule for 1915; and the following report of the Committee on Salaries and Grades recommending approval thereof and transfer of funds:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, Sept. 7, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 27, 1915, the Deputy and Acting Commissioner of the Department of Correction requested modification of the 1915 salary schedule entitled "Personal Service, Salaries Regular Employees, Prison Service, Care of Plant and Inmates, No. 2632, Penitentiary." The Bureau of Standards reports thereon as follows:

"The purpose of the requested modification is to provide for the salaries of three Tabulating Machine Operators at $720 per annum for the balance of the year. These employees are required in order that the Department may be able to make certain lengthy reports required by law. These reports must be made to the State Commissioner of Prisons on or before November 1, 1915. It is then proposed to employ the operators on the tabulation of data required for the annual report of the department.

"The title and compensation as well as the work to be performed fall within the third grade of the Clerk Group, Clerical Service, with an initial salary of $720 per annum for Tabulating Machine Operators.

"On July 29, 1915, the Board of Estimate and Apportionment established the grade of position of Tabulating Machine Operator for three incumbents for the Department of Correction. On August 24, 1915, the Bureau of Standards, issued certificates in accordance with Rule 2C of the rules and regulations governing the Budget for 1915 for the filling of the above positions. Request is therefore made at this time for a modification of the salary schedule to provide funds for the payment of the salaries.

"In Account No. 2632, there is an unassigned balance of $1,900, which it is proposed to use for the above purpose and to also transfer the sum of $108.33 from an unassigned balance of $1,560 in Account No. 2630."

We recommend the adoption of the attached resolutions, (1) transfering the sum of $108.33 from Account 2630 to 2632, and (2) modifying the salary schedules affected by the request. Respectfully,

WM. A. PRENDERGAST, Comptroller; HENRY H. CURRAN, 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 Correction for the year 1915, as follows:

*Personal Service, Salaries Regular Employees, Prison Service, Care of Plant and Inmates.*

FROM

| | |
|---|---|
| 2630 Workhouse | $108 33 |

TO

| | |
|---|---|
| 2632 Penitentiary | $108 33 |

Which was adopted by the following vote:

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

The folowing resolution was offered:

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

*Personal Service, Salaries Regular Employees, Prison Service, Care of Plant and Inmates.*

| | |
|---|---|
| 2630 Workhouse— | |
| Warden, 2 at $2,500 | $5,000 00 |
| Deputy Warden | 1,920 00 |
| Head Keeper, 2 at $1,800 | 3,600 00 |
| Superintendent of Women | 1,200 00 |
| Physician (Female) | 1,200 00 |
| Physician, 2 at $1,200 | 2,400 00 |
| Physician, 4 at $12 | 48 00 |
| Apothecary | 900 00 |
| Bookkeeper | 1,500 00 |
| Clerk | 900 00 |
| Chaplain, 9 at $450 | 4,050 00 |
| Matron, 8 at $900 | 7,200 00 |
| Matron, 8 at $600 | 4,800 00 |
| Keeper, 33 at $1,200 | 39,600 00 |
| Keeper, 8 at $1,050 | 8,400 00 |
| Keeper, 4 at $900 | 3,600 00 |
| Keeper, 16 at $800 | 12,800 00 |
| Trained Nurse (Male), 3 at $600 | 1,800 00 |
| Trained Nurse (Female) | 600 00 |
| Trained Nurse | 360 00 |
| Nurse, 2 at $360 | 720 00 |
| Nurse | 300 00 |
| Orderly | 480 00 |
| Orderly (Male), 21 at $360 | 7,560 00 |
| Orderly (Female), 18 at $360 | 6,480 00 |
| Orderly (Male), 11 at $240 | 2,640 00 |
| Hospital Helper, 9 at $600 | 5,400 00 |
| Hospital Helper, 10 at $480 | 4,800 00 |
| Cook, 2 at $720 | 1,440 00 |
| Laundress | 450 00 |
| Shoemaker | 900 00 |
| Gardener | 1,050 00 |
| Mechanic's Helper | 600 00 |
| Mason | 1,200 00 |
| Teacher | 900 00 |
| Prison Registrar | 1,410 00 |
| Balance Unassigned | 1,300 00 |
| Schedule Total | $139,508 00 |
| 2632 Penitentiary— | |
| Warden | $3,500 00 |
| Head Keeper | 1,800 00 |
| Physician, 2 at $1,200 | 2,400 00 |
| Clerk | 1,020 00 |
| Clerk | 800 00 |
| Clerk | 600 00 |
| Matron, 3 at $600 | 1,800 00 |
| Chaplain | 450 00 |
| Keeper, 34 at $1,200 | 40,800 00 |
| Keeper, 7 at $1,050 | 7,350 00 |
| Keeper, 10 at $900 | 9,000 00 |
| Keeper, 23 at $800 | 18,400 00 |
| Shoemaker | 900 00 |
| Elevatorman | 600 00 |
| Nurse | 600 00 |
| Hospital Helper | 600 00 |
| Hospital Helper, 3 at $480 | 1,440 00 |
| Orderly, 2 at $360 | 720 00 |
| Laundress, 2 at $450 | 900 00 |
| Mechanic's Helper | 600 00 |
| Teacher, 2 at $800 | 1,600 00 |
| Cook | 720 00 |
| Tabulating Machine Operator, 3 at $720 | 2,160 00 |
| | $98,760 00 |

Which was adopted by the following vote:

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

## From the Department of Finance.

**President, Borough of Manhattan—Transfer of Appropriation and Modification of Schedules (Cal. No. 27).**

The Secretary presented a communication, dated July 24, 1915, from the Acting President of the Borough of Manhattan, requesting a transfer within the appropriation for said office, for 1915; and the following report of the Comptroller relative thereto:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Standards, August 26, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On July 27, 1915, you referred to the Bureau of Contract Supervision a communication, dated July 24, 1915, from the Acting President of the Borough of Manhattan requesting transfer in the sum of $2,300 within appropriations to his office for the year 1915.

The Bureau of Contract Supervision reports thereon as follows:

"It is proposed to transfer $1,200 from Contract or Open Order Service No. 424, General Repairs, Pavements Other Than Stone, General, to No. 442, General Plant Service, Care of Public Buildings and Offices; $500 from No. 442, General Plant Service, Care of Municipal Building, to No. 424, General Repairs, Care of Municipal Building; $500 from No. 394, Laundry, Cleaning and Disinfecting Supplies, Care of Municipal Building, to No. 422TS, General Plant Materials, Care of Municipal Building, and $100 from No. 424, General Repairs, Pavements Other Than Stone, General, to 398TS, General Plant Supplies, Care of Sewers.

"Account No. 398TS-C, Care of Sewers, is practically exhausted, the unencumbered balance being only 85c. The transfer is necessary in order to provide for the estimated amount of gasoline for motor apparatus, kerosene for lamps and for recharging of batteries.

"Account No. 422TS-B, Municipal Building—Unencumbered balance in this account on August 3, 1915, was $305.53. On July 9, 1915, the Board of Estimate and Apportionment adopted a resolution transferring the sum of $300 to this account. This transfer was deemed to be sufficient for the requirements for the remainder of the year. Inasmuch as no indebtedness has been incurred against this amount an additional transfer at this time is unnecessary.

"Account No. 424J, Municipal Building—The account is now exhausted and open market orders now awaiting liquidation require an additional $50. A transfer of $500 as requested will provide a sufficient balance for the remainder of the year.

"Account No. 442B, Public Buildings and Offices—The unencumbered balance as of August 3 was $257. The Superintendent of Public Buildings and Offices states that it is necessary to provide for the following:

| | |
|---|---|
| Towing six floating baths to winter berth | $140 00 |
| Storage four floating baths, month of August | 124 00 |
| Storage four floating baths, month of September | 120 00 |
| Storage eleven floating baths, month of October | 341 00 |
| Storage eleven floating baths, month of November | 330 00 |
| Storage eleven floating baths, month of December | 341 00 |
| | $1,396 00 |
| Less unencumbered balance | 257 00 |
| | $1,139 00 |

"While the Bureau of Public Buildings and Offices has eleven floating baths, but six of these have been in operation at any time during the last two years. One is now being used by the Borough of Richmond and the other four have not been used either this year or last, but nevertheless the city has been paying storage at the rate of $1 per day for each of the four unused baths, or a total of $2,920 for the two years. The six baths which were put into operation this year entailed a heavy expenditure on the part of the city in order that the regulations of the Health Department were complied with. The remaining baths, owing to their poorer condition, would necessitate even a heavier expenditure before they would come up to requirements. It is felt that these four old baths should be disposed of, the one now being used in Staten Island be transferred to the jurisdiction of the President of the Borough of Richmond, and that a transfer of funds is only necessary to provide for four floating baths for the month of August and for six floating baths for the remainder of the year as follows:

| | |
|---|---|
| Towing six floating baths to winter berth | $140 00 |
| Storage four floating baths, month of August | 124 00 |
| Storage four floating baths, month of September | 120 00 |
| Storage six floating baths, month of October | 186 00 |
| Storage six floating baths, month of November | 180 00 |
| Storage six floating baths, month of December | 186 00 |
| | $936 00 |
| Less unencumbered balance | 257 00 |
| | $679 00 |

"After consultation with the Acting President of the Borough of Manhattan, it was agreed that transfer in this amount was sufficient at this time to provide for storage for the four baths, recommended to be disposed of, until the end of September. This would enable the Borough President to take up the matter upon his return, as to the advisability of retaining these old baths, and the question of the number of floating baths he proposes to operate during 1916.

"Sufficient balances remain in accounts Nos. 424 and 442 to permit of the debit transfer."

In view of the foregoing I recommend the adoption of the attached resolutions

granting the request to the extent of $1,279 and modifying the schedules involved. As the request proposed transfers both "to" and "from" accounts Nos. 424 and 442, $1,000 of the amount recommended to be granted is transferred between lines by modification of the schedules for these accounts; the balance, $279, is to be transferred from No. 424 to Nos. 398 and 442.

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 office of the President of the Borough of Manhattan for the year 1915, as follows:

FROM

*Contract or Open Order Service.*

| | | |
|---|---|---|
| 424 | General Repairs | $279 00 |

TO

*Supplies.*

| | | |
|---|---|---|
| 398TS | General Plant Supplies | $100 00 |

*Contract or Open Order Service.*

| | | |
|---|---|---|
| 442 | General Plant Service | 179 00 |
| | | $279 00 |

Which was adopted by the following vote:

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

—

The following resolution was offered:

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

*Supplies.*

| | | | |
|---|---|---|---|
| 398TS | General Plant Supplies— | | |
| | Administration and Public Works | | $2,000 00 |
| | Care of Highways | | 125 00 |
| | Care of Sewers | | 200 00 |
| | Care of Public Buildings and Offices | | 3,500 00 |
| | Supervision of Building Construction and Alteration | | 280 00 |
| | Asphalt Plant | | 2,957 00 |
| | Total General Plant Supplies | | $9,062 00 |
| | Tax Levy Allowance | | $8,470 60 |
| | Special and Trust Fund Allowance | | 591 40 |
| | Total Allowance | | $9,062 00 |

*Contract or Open Order Service.*

| | | | |
|---|---|---|---|
| 424 | General Repairs— | | |
| | Administration and Public Works | | $700 00 |
| | Care of Highways— | | |
| | Roadways, Viaducts and Stone Pavements | | 1,400 00 |
| | Pavements Other Than Stone, General | | 19,089 00 |
| | Due to Fire Burns | | 1,400 00 |
| | Due to Unknown Causes | | 19,000 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 | | 50,500 00 |
| | General | $33,500 00 | |
| | Alterations in Criminal Courts Building to Provide for Additional Court of General Sessions | 10,000 00 | |
| | Provided that no portion of the $10,000 is to be available for expenditure until after the Board of Estimate and Apportionment or its duly authorized representative has approved form of contracts, plans, specifications and estimates of costs, or schedules of personal service, necessary to complete these alterations. | | |
| | Repairs in Jefferson Market Building | 7,000 00 | |
| | Provided that no portion of the $7,000 is to be available for expenditure until after the Board of Estimate and Apportionment or its duly authorized representative has approved form of contracts, plans, specifications and estimates of costs, or schedules of personal service, necessary to complete these alterations. | | |
| | Care of Municipal Building | | 900 00 |
| | Total General Repairs | | $140,139 00 |
| 442 | General Plant Service— | | |
| | Administration and Public Works | | $950 00 |
| | Care of Public Buildings and Offices | | 3,479 00 |
| | Care of Municipal Building | | 400 00 |
| | Total General Plant Service | | $4,829 00 |

Which was adopted by the following vote:

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

**President, Borough of Brooklyn—Transfer of Appropriation and Modification of Schedules (Cal. No. 28).**

The Secretary presented a communication, dated September 1, 1915, from the President of the Borough of Brooklyn, requesting a transfer within the appropriation for said office 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, September 14, 1915.

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

Gentlemen—On September 1, 1915, the President of the Borough of Brooklyn requested the transfer of funds amounting to $1,600 within appropriations made for the Bureau of Sewers for the year 1915, as follows:

FROM

*Contract or Open Order Service, General Repairs.*

| | | |
|---|---|---|
| 604 | Care of Sewers | $1,600 00 |

TO

*Materials.*

| | | |
|---|---|---|
| 601 | Sewer Materials | $1,600 00 |

The Bureau of Contract Supervision reports thereon as follows:

"The purpose of the proposed transfer is to provide funds for the purchase of such sewer material as will be necessary to make repairs, by departmental labor, to the Brooklyn sewer system for the remainder of the current year.

"Following is an estimate of the kind, quantity and cost of the various items of materials needed for repair work:

| | |
|---|---|
| 40 manhole heads and covers | $338 00 |
| 350 manhole covers | 670 00 |
| 4 interlocking heads and covers | 46 00 |
| 25 pairs basin pans | 104 00 |
| 30 basin hoods and plates | 50 00 |
| 6 cast iron park drains | 25 00 |
| 12 cast iron park drain covers | 24 00 |
| 30 interlocking grates (standard) | 38 00 |
| 12 interlocking grates (special) | 24 00 |
| 10,000 brick | 68 00 |
| 30 barrels cement | 50 00 |
| 20 cubic yards sand | 30 00 |
| 300 pieces spruce lumber | 165 00 |
| Total cost | $1,632 00 |

"An examination discloses that the stock of materials shown in the foregoing statement is exhausted and that it is absolutely necessary that funds be provided at once to provide for the purchase of these materials."

I recommend the adoption of the attached resolutions granting the request and modifying the schedules involved. Respectfully,

ALEX. BROUGH, Deputy and Acting 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 office of the President of the Borough of Brooklyn for the year 1915, as follows:

FROM

*Contract or Open Order Service, General Repairs.*

| | | |
|---|---|---|
| 604 | Care of Sewers | $1,600 00 |

TO

*Materials.*

| | | |
|---|---|---|
| 601 | Sewer Materials | $1,600 00 |

Which was adopted by the following vote:

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

—

The following resolution was offered:

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

*Materials.*

| | | |
|---|---|---|
| 601 | Sewer Materials | $6,100 00 |

*Contract or Open Order Service.*

| | | | |
|---|---|---|---|
| 604 | General Repairs— | | |
| | Administration | | $15 00 |
| | Care of Highways— | | |
| | Executive | | 50 00 |
| | Engineering and Inspection | | 100 00 |
| | Roadways, Viaducts and Streets | | 4,750 00 |
| | Encumbrances | | 50 00 |
| | Substructures | | 5 00 |
| | Asphalt Plant | | 5,800 00 |
| | Care of Sewers | | 24,170 00 |
| | Care of Public Buildings and Offices | | 23,065 00 |
| | Supervision of Building Construction and Alteration | | 50 00 |
| | Total | | $58,055 00 |

Which was adopted by the following vote:

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

**Police Department—Transfer of Appropriation and Modification of Schedules (Cal. No. 29).**

The Secretary presented a communication dated August 17, 1915, from the Acting Police Commissioner, 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, September 13, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 17, 1915, the Police Commissioner requested transfer within the appropriations for the year 1915, as follows:

FROM

*Transportation.*

| | | |
|---|---|---|
| 1627 | Shoeing and Boarding Horses, Including Veterinary Service | $2,000 00 |

TO

| | | |
|---|---|---|
| 1622 | General Plant Equipment | $2,000 00 |

On August 18, 1915, this request was referred to the Bureau of Contract Supervision, which Bureau reports thereon as follows:

"On August 1, 1915, the unencumbered balance in Account No. 1627 was $32,766.20, all of this amount will not be needed for the purposes for which it was allowed, because the number of horses in the Department have been reduced by 144, due to the substitution of motor cycles.

"The proposed transfer to Account No. 1622, in which there is an unencumbered balance of $19.37, will permit the purchase of bicycle tires, traffic stanchions, signs and other apparatus and equipment for traffic regulation, which are very much needed. The expenditures thus far for apparatus for the regulation of traffic has been more than justified by the resulting safety to pedestrians and by the reduction in congestion of traffic in the crowded portions of the city."

I recommend the adoption of the attached resolution granting the request and modifying the schedules involved.

Respectfully, ALEX. BROUGH, Deputy and Acting 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 Police Department for the year 1915, as follows:

FROM

*Transportation.*

| | | |
|---|---|---|
| 1627 | Shoeing and Boarding Horses, Including Veterinary Service | $2,000 00 |

TO

| | | |
|---|---|---|
| 1622 | General Plant Equipment | $2,000 00 |

Which was adopted by the following vote:

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

—

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the schedules, as revised, for the Police Department for the year 1915, as follows:

*Purchase of Equipment.*

| | | |
|---|---|---|
| 1622 | General Plant Equipment | $17,250 00 |

*Contract or Open Order Service, Transportation.*

| | | |
|---|---|---|
| 1627 | Shoeing and Boarding Horses, Including Veterinary Service | $76,520 00 |

Which was adopted by the following vote:

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

**Department of Water Supply, Gas and Electricity—Transfer of Appropriation (Cal. No. 30).**

The Secretary presented a communication dated July 28, 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 denial thereof:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, August 23, 1915.

*Board of Estimate and Apportionment:*

Gentlemen—On July 30, 1915, you referred to the Bureau of Contract Supervision a communication from the Commissioner of Water Supply, Gas and Electricity asking for the transfer of $950 from Code 2206 to Code 2236 for the purpose of providing funds for the purchase of a hoisting engine. This engine is to be used at Millburn Pumping Station on the Brooklyn Watershed, to pull loaded coal cars upon the tracks scale for weighing, and after weighing to pull loaded cars from the scale.

There are sufficient funds in Code 2206 to warrant this transfer, but for the reasons given below I recommend that the request be denied.

The records of the Department of Water Supply show that in July, 1915, there were delivered and weighed upon the track scales at Ridgewood Pumping Station, Canarsie Pumping Station and certain line stations, Brooklyn Watershed, 94 car loads of coal. The average weight per car load was 99,750 pounds, and the average excess in weight per car as given by the railroad scales over the City's scales was 911 pounds, a difference against the City of nine-tenths of one per cent.

At Millburn Pumping Station the consumption of coal for one year, based upon the latest available records, is 6,720 tons, delivered in 151 cars of the average weight given above. If the railroad weights on 151 cars delivered at Millburn exceed the City's weights by 911 pounds, the figure given above, the gain to the City in weighing this number of cars would be 62 tons. The most recent contract price for coal at Millburn was $3.71 per ton, and the 62 tons saved represent a gross saving of $230.02.

The cost of weighing this coal for one year will be the cost of the hoisting engine given above, $950, less whatever scrap value the machine would possess after Millburn Station is shut down a year from now, plus the labor cost of the weighing operation. If it be assumed that the labor cost is worth not more than the scrap value of the hoisting engine after the station is shut down, the cost to the City of the 62 tons saved by the weighing will be $15.32 per ton, which is more than four times the cost of the coal saved. For this reason it is recommended that the proposed transfer be denied.

Respectfully, ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby *denies* the request of the Commissioner of Water Supply, Gas and Electricity, as set forth in a communication dated July 28, 1915, for the transfer of nine hundred and fifty dollars ($950) from Code 2206 to Code 2236 for the year 1915.

Which was adopted by the following vote:

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

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**Department of Water Supply, Gas and Electricity—Transfer of Appropriation (Cal. No. 31).**

The Secretary presented a communication dated August 17, 1915, from the Commissioner of Water Supply, Gas and Electricity requesting a transfer within the appropriation for said department for 1914; 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, August 28, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 17, 1915, the Commissioner of Water Supply, Gas and Electricity requested the transfer of $5.75 within the appropriations made to his department for the year 1914.

The Bureau of Contract Supervision reports thereon as follows:

"The proposed debit transfer is from the 1914 Account No. 2207TW, Fuel Supplies, in which there is an unencumbered balance of $723.63. The credit transfer is to the 1914 Account No. 2289TW, Carfare, to provide for the payment of carfares of James McDermott, an employee detailed as messenger between pumping stations and offices of the department during the month of November, 1914. Account No. 2289TW is entirely exhausted."

I recommend the adoption of the attached resolution granting the request.

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 year 1914, as follows:

FROM

*Supplies, Fuel Supplies.*

2207TW Water Supply ..... $5 75

TO

*Contract or Open Order Service, Transportation, Carfare.*

2289TW Water Supply ..... $5 75

Which was adopted by the following vote:

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

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**Department of Water Supply, Gas and Electricity—Transfer of Appropriation and Modification of Schedules (Cal. No. 32).**

The Secretary presented a communication dated September 7, 1915, from the Commissioner of Water Supply, Gas and Electricity requesting modification of schedule involving a transfer within the appropriation for said department 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, September 14, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 7, 1915, the Commissioner of Water Supply, Gas and Electricity requested modification of two schedules for horse and vehicle hire in his department for 1915, involving a transfer of $219.

On September 10, 1915, this request was referred to the Bureau of Contract Supervision, which bureau reports thereon as follows:

"In Account No. 2269W, Contract or Open Order Service, Transportation, Hire of Horses and Vehicles with Drivers, Water Supply, Collection and Storage, Water Revenue Force, and in Account No. 2281W, Contract or Open Order Service, Transportation, Hire of Horses and Vehicles without Drivers, Water Revenue Collection, Water Revenue Force, it is proposed to change the present schedule allowances as follows:

| Code No. | Line Item. | Present Schedule. Days. | Present Schedule. Amount. | Proposed Schedule. Days. | Proposed Schedule. Amount. |
|---|---|---|---|---|---|
| 2269W | Driver with Horse and Vehicle at $3 per day | 60 | $180 00 | 185 | $555 00 |
| | Balance unassigned | .... | 736 00 | ..... | 142 00 |
| 2281W | Hire of Horse and Vehicle at $3 per day | 507 | 1,521 00 | 580 | 1,740 00 |
| | | | $2,437 00 | | $2,437 00 |

"The vehicle provided in Account No. 2269W is used in obtaining evidence for the Corporation Counsel in the defense of water diversion litigation cases. The present allowance was exhausted in July and the services of this vehicle will be required until the end of November, 1915, or an estimated period of 125 days. The vehicles provided in Account No. 2281 are for the meter testing force now under the direction of the Bureau of Water Supply. For the balance of 1915 the estimated requirements are 101 days each at $3 per day, or $606, whereas the amount now available is $387. It is proposed to transfer $219 of the present unassigned balance in No. 2269W to No. 2281W and modify the two schedules as previously noted."

I recommend the adoption of the attached resolutions granting the request and modifying the schedules affected. Respectfully,

ALEX. BROUGH, Deputy and Acting 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 year 1915, from the Brooklyn water revenues of said year, as follows:

FROM

S652 Department of Water Supply, Gas and Electricity, Contract or Open Order Service, Transportation, Hire of Horses and Vehicles with Drivers, Water Supply, Collection and Storage, Water Revenue Force, Water Revenue Allowance, 1915, 2269W..... $219 00

TO

S656 Department of Water Supply, Gas and Electricity, Contract or Open Order Service, Transportation, Hire of Horses and Vehicles without Drivers, Water Revenue Collection, Water Revenue Force, Water Revenue Allowance, 1915, 2281W..... $219 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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:

*Contract or Open Order Service, Transportation, Hire of Horses and Vehicles with Drivers, Water Supply, Collection and Storage.*

2269W Water Revenue Force—

| | |
|---|---|
| Driver with Team and Vehicle, at $4.50 per day (1,472 days) | $6,624 00 |
| Driver with Horse and Vehicle, at $3.50 per day (50 days) | 175 00 |
| Driver with Horse and Vehicle, at $3 per day (185 days) | 555 00 |
| Driver with Horse and Vehicle, at $4 per day (2½ days) | 10 00 |
| Balance unassigned | 142 00 |
| Schedule total | $7,506 00 |
| Water Revenue Allowance | 7,506 00 |

*Contract or Open Order Service, Transportation, Hire of Horses and Vehicles without Drivers, Water Revenue Collection.*

2281W Water Revenue Force—

| | |
|---|---|
| Hire of Horse and Vehicles at $3 per day (580 days) | $1,740 00 |
| Water Revenue Allowance | $1,740 00 |

Which was adopted by the following vote:

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

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**Department of Water Supply, Gas and Electricity—Transfer of Appropriation and Modification of Schedules (Cal. No. 33).**

The Secretary presented a communication dated July 26, 1915, from the Commissioner of Water Supply, Gas and Electricity requesting transfers of $1,925, within the appropriation for said department for 1915; and the following report of the Comptroller recommending approval thereof to the extent of $1,825, and modification of schedules:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, August 24, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On July 26, 1915, the Commissioner of Water Supply, Gas and Electricity requested transfers aggregating $1,925 within the appropriations made to his department for the year 1915.

The Bureau of Contract Supervision reports thereon as follows:

"The original request was for the transfer of $1,280 from Account S-628, Fuel Supplies, to Account S-640, Office Equipment; and $645 from Account 2207, Fuel Supplies, to Account 2228TW, Office Equipment. The request has since been verbally amended by reducing the amounts to be transferred from Account S-628 to Account S-640 to $1,180, which reduces the total amount to be transferred to $1,825.

"The present system of frontage rate accounting in the Bureau of Water Revenue Collection consists of a series of frontage rate ledgers, opened each year, from which consumers' bills are prepared. In these ledgers all changes reported by Inspectors are made from time to time. Under this system four operations are necessary, as follows:

"1. New ledgers written up each year from old ledgers.
"2. New ledgers compared with old ledgers.
"3. Bills made from ledger entries.
"4. Bills compared with ledger entries.

"A new system of accounting is now being installed by which each account has a separate, permanent record card showing the location of the property, section, block and lot; size of lot; number of stories and dimensions of buildings thereon; the part covered by meters; the number of water closets, urinals and baths, extra families, and any other necessary detail, together with the annual frontage rate charge. The preparation of these cards was begun in June, 1915, and the 1916 frontage rate bills will be prepared from the cards.

"The Commission proposes to eliminate the first two operations in the opening of new ledger accounts previously noted, by preparing the annual bills on a special typewriting machine, by which the bill and ledger entry are made in one operation, and an original and duplicate loose leaf ledger sheet made. One of the sheets is to be retained in the Bureau and the other forwarded to the Comptroller. By the proposed method not only will the labor cost be reduced one half, but any chance of a discrepancy existing between the ledger entry and bill rendered will be eliminated.

"To put this system into effect the Department requested twenty-three (23) steel desks over seven feet long, specially constructed in accordance with the plan prepared by the Department. The plan provides a very cumbersome and inconvenient method of storing cards. The desks would take up many times the space required for standard card cabinets.

| | |
|---|---|
| I recommend that instead of steel desks requested, the Department purchase thirty-seven (37) six drawer section card cabinets of oak with nine (9) tops and nine (9) bottom sections at a cost of..... | $800 00 |
| Also I recommend an allowance of $1,725 for five typewriters with adding attachment and split register ..... | 1,725 00 |
| I recommend also the allowance of $300 for the hire of twelve typewriters for one month each at $25 per month..... | 300 00 |
| Also the purchase of 19,000 guide cards at $20 per thousand..... | 380 00 |
| Total, Amount Recommended ..... | $3,205 00 |

"The balance available for the recommended equipment and service is not sufficient. The transfer is requested in order to provide the necessary funds.

"The following table shows the number of frontage rate accounts at the close of the year 1914, and the estimated block guide cards required for the several boroughs.

*Block Guide Cards Required and Number of Frontage Rate Accounts, December 31, 1914.*

| Borough. | Block Guide Cards. | Number of Accounts. |
|---|---|---|
| Manhattan | 2,500 | 60,956 |
| The Bronx | 3,500 | 27,575 |
| Brooklyn | 9,000 | 139,647 |
| Queens | 2,500 | 8,413 |
| Richmond | 1,500 | 9,816 |
| Total | 19,000 | 246,407 |

"The estimated cost of this equipment is based upon estimates furnished by leading manufacturers of furniture and typewriters. The actual cost will be determined when contracts have been awarded to the lowest bidder.

"The Water Register, in charge of water revenue collections in all boroughs states that 'if the request for the desired additional equipment is granted the request for "Salaries" in the tentative 1916 budget estimate of the Bureau of Water Revenue Collection, which shows a substantial reduction below the 1915 allowance, may be further decreased by at least $10,000.'

"The attention of the Commissioner has been called to the fact that the hire of typewriting machines cannot properly be charged to an account for 'Purchase of Equipment.' He has therefore further amended his request by reducing

the credit transfer to account 2228TW by $300, and adding a transfer of that amount to account 2298TW, General Plant Service. Through a clerical error the request reads 'hire of 12 operators.'

"As the requested additional equipment is permanent and its cost will be more than offset by the decrease in the necessary clerical force of the Bureau of Water Revenue Collection, approval of the request appears to be desirable. Ample funds are available in the accounts to be debited for the proposed transfers."

I recommend the adoption of the attached resolutions granting the amended 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 year 1915, as follows:

FROM

| | | |
|---|---|---|
| S-628 | Department of Water Supply, Gas and Electricity, Supplies, Fuel Supplies, Water Supply, Water Revenue Allowance, 1915, 2206TW | $1,180 00 |
| 2207 | Supplies, Fuel Supplies, Water Revenue Collection | 645 00 |
| | | $1,825 00 |

TO

| | | |
|---|---|---|
| S-640 | Department of Water Supply, Gas and Electricity, Purchase of Equipment, Office Equipment, Water Revenue Collection, Water Revenue Allowance, 1915, 2228TW | $1,180 00 |
| 2228TW | Purchase of Equipment, Office Equipment, Water Revenue Collection | 345 00 |
| 2298TW | Contract or Open Order Service, General Plant Service, Water Revenue Collection | 300 00 |
| | | $1,825 00 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Water Supply, Gas and Electricity for the year 1915, as follows:

| | | |
|---|---|---|
| | *Supplies, Fuel Supplies.* | |
| 2206TW | Water Supply | $497,303 00 |
| | Tax Levy Allowance | $144,176 00 |
| | Water Revenue Allowance | 346,127 00 |
| | Special Revenue Bond Allowance | 7,000 00 |
| 2207 | Water Revenue Collection | $465 00 |
| | *Purchase of Equipment, Office Equipment.* | |
| 2228TW | Water Revenue Collection | $3,525 00 |
| | Tax Levy Allowance | $1,545 00 |
| | Water Revenue Allowance | 1,980 00 |
| | *Contract or Open Order Service, General Plant Service.* | |
| 2298TW | Water Revenue Collection | $1,110 00 |
| | Tax Levy Allowance | $900 00 |
| | Water Revenue Allowance | 210 00 |

Which was adopted by the following vote:

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

**Department of Water Supply, Gas and Electricity—Approval of Open Market Order (Cal. No. 34).**

The Secretary presented a communication dated September 7, 1915, from the Commissioner of Water Supply, Gas and Electricity, requesting permission to issue an open market order for the construction of an 8-inch water main on Osborn Street, from Hegeman to Vienna Avenue, Borough of Brooklyn; 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, September 14, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 8, 1915, you referred to the Bureau of Contract Supervision a communication from the Commissioner of Water Supply, Gas and Electricity, dated September 7, 1915, requesting permission to issue an open market order in the amount of $212.75, for "furnishing all the necessary labor to haul and lay a new 8-inch water main on Osborn Street, from Hegeman Avenue to Vienna Avenue, Brooklyn." The cost of the work is to be charged against the corporate stock fund "C. D. W.—28 Water Supply System, Borough of Brooklyn, Extension of Distribution, for Small Mains."

The work is urgent, as there are several new houses on the street in need of water supply.

The Department has obtained bids for the work, the low bid being $212.75, which is very low.

There is a sufficient balance in the fund to provide for this expenditure.

The adoption of the attached resolution will approve the request.

Respectfully, ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to its resolution of July 11, 1912, hereby grants permission to the Commissioner of Water Supply, Gas and Electricity to issue an open market order in the amount of two hundred and twelve dollars and seventy-five cents ($212.75), for furnishing all the labor necessary to haul and lay a new eight-inch water main on Osborn Street, from Hegeman Avenue to Vienna Avenue, Brooklyn; the cost of the work to be charged against the corporate stock fund "C. D. W.—28, Water Supply System, Borough of Brooklyn, Extension of Distribution, for Small Mains."

Which was adopted by the following vote:

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

**Department of Public Charities—Modification of Schedule (Cal. No. 35).**

The Secretary presented a communication dated September 2, 1915, from the Third Deputy and Acting Commissioner of Public Charities requesting an issue of Special Revenue Bonds in the sum of $6,000 to replenish Code 2044, Donations to Spanish War Veterans, for 1915; and the following report of the Comptroller recommending modification of schedule:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, September 9, 1915.

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

Gentlemen—In a communication dated September 2, 1915, addressed to the Comptroller, the Department of Public Charities requested that $6,000 Special Revenue Bonds be issued to provide for deficiencies in the following account for 1915:

*Fixed Charges and Contributions.*

2044 Donations to Spanish War Veterans .....

Investigation discloses that the original appropriation for this account was $11,000, which was supplemented in July last by an issue of special revenue bonds to the amount of $7,000, making a total of $18,000 appropriated for this purpose.

From an examination made at the office of the Department of Public Charities, it appears that $16,262 of the amount appropriated had been expended up to August 31, 1915, leaving a balance of but $1,738 available for the remainder of the year.

The number of Spanish American War Veterans and their families receiving aid each month aggregates about 140, and the average allowance being $17 upon this basis, the amount required for the entire year would be $28,560. It is estimated, however, that the amount requested will be sufficient to meet the needs of the department for this purpose for the remainder of the year.

Chapter 120 of the Laws of 1915, which amends section 80 of the Poor Law, provides as follows:

"No poor or indigent soldier, sailor or marine who has served in the military or naval service of the United States and who has been honorably discharged from such service, nor his family nor the families of any who may be deceased, shall be sent to any almshouse, but shall be relieved and provided for at their homes in the city or town where they may reside, so far as practicable, provided such soldier, sailor or marine or the families of those deceased, are and have been residents of the State for one year, and the proper auditing board of such city or town or in those counties where the poor are a county charge, the superintendent, if but one, or superintendents of the poor, as such auditing board in those counties, shall provide such sum or sums of money as may be necessary to be drawn upon by the commander and quartermaster of any post of the Grand Army of the Republic, or of any camp of the United Spanish War Veterans of the city or town, made upon the written recommendation of the relief committee of such post or camp; or if there be no post or camp in a town or city in which it is necessary that such relief should be granted, upon the like request of the commander and quartermaster and recommendation of the relief committee of a Grand Army post, or a camp of the United Spanish War Veterans, located in the nearest town or city, to the town or city requested to so furnish relief and such written request and recommendation shall be a sufficient authority for the expenditure so made."

Section 81 of the law as amended by chapter 563 of the Laws of 1915, provides, in effect, that in cities of the first class (which includes New York City) it shall be the duty of the Commissioner of Charities to include in his budget the sums necessary to carry out the provisions of this act.

The disbursements of money under the Poor Law, are now made by the Department of Public Charities, direct to the beneficiary, upon the recommendation of the department investigator, who certifies that the party to whom the donation is made, is an indigent person.

In view of the foregoing and the fact that these expenditures are mandatory, it appears that an issue of special revenue bonds should be made under subdivision 7 of section 188 of the Greater New York Charter to the extent of $6,000.

The adoption of the attached resolution, approving the schedules as revised to include the additional appropriation, is therefore recommended. 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 Department of Public Charities, for the year 1915, as follows:

| | | |
|---|---|---|
| | *Fixed Charges and Contributions.* | |
| 2044 | Donations to Spanish War Veterans | $24,000 00 |
| | Tax Levy Allowance | $11,000 00 |
| | Special Revenue Bonds | 13,000 00 |
| | | $24,000 00 |

Which was adopted by the following vote:

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

—

**Department of Correction—Transfer of Appropriation and Modification of Schedules (Cal. No. 36).**

The Secretary presented a communication dated August 17, 1915, from the Commissioner of Correction 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 Standards, September 13, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 17, 1915, the Commissioner of Correction requested the transfer within appropriations for the year 1915, as follows:

FROM

| | | |
|---|---|---|
| | *Purchase of Equipment.* | |
| 2664 | Live Stock | $75 00 |
| 2666 | Motor Vehicles and Equipment | 300 00 |
| | | $375 00 |

TO

| | | |
|---|---|---|
| | *Purchase of Equipment.* | |
| 2665 | Motorless Vehicles and Equipment | $75 00 |
| | *Fixed Charges and Contributions.* | |
| 2679 | Transportation of and Donations to Insane Criminals | 300 00 |
| | | $375 00 |

The request was referred to the Bureau of Contract Supervision on August 19, 1915, which bureau reports thereon as follows:

"The unencumbered balance in Code 2665 is $24.30. The transfer of funds into this account is requested in order to provide funds sufficient to purchase harness which is needed in several institutions.

"Account No. 2679 is exhausted and, as the transportation of insane criminals is mandatory, means for this purpose must be provided.

"Sufficient balance remains in accounts Nos. 2664 and 2666 to permit of the transfer."

I recommend the adoption of the attached resolution granting the request, and modifying the schedules involved. Respectfully,

ALEX. BROUGH, Deputy and Acting 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 Correction for the year 1915, as follows:

FROM

| | | |
|---|---|---|
| | *Purchase of Equipment.* | |
| 2664 | Live Stock | $75 00 |
| 2666 | Motor Vehicles and Equipment | 300 00 |
| | | $375 00 |

TO

| | | |
|---|---|---|
| | *Purchase of Equipment.* | |
| 2665 | Motorless Vehicles and Equipment | $75 00 |
| | *Fixed Charges and Contributions.* | |
| 2679 | Transportation of and Donations to Insane Criminals | 300 00 |
| | | $375 00 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Correction for the year 1915, as follows:

| | | |
|---|---|---|
| | *Purchase of Equipment.* | |
| 2664 | Live Stock | $2,055 00 |
| 2665 | Motorless Vehicles and Equipment | 1,225 00 |
| 2666 | Motor Vehicles and Equipment | 950 00 |
| | *Fixed Charges and Contributions.* | |
| 2679 | Transportation of and Donations to Insane Criminals | 1,700 00 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Alder-

men and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and Richmond—16.

**Department of Bridges—Transfer of Appropriation and Modification of Schedules (Cal. No. 37).**

The Secretary presented a communication, dated August 20, 1915, from the Commissioner of Bridges, requesting 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 Standards, September 13, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 20, 1915, the Commissioner of Bridges requested a transfer of funds within appropriations to his department for the year 1915. The request was referred to the Bureau of Contract Supervision on August 21, 1915, which bureau reports thereon as follows:

"It is proposed to transfer the sum of $1,000 *from* Supplies, 2768, Fuel Supplies, *to* Materials, 2777, General Plant Materials, in which there is an unencumbered balance of $65.72 out of a total appropriation of $61,795. The transfer is requested so that sufficient funds might be made available for the purchase of wood paving blocks, estimated at $225; steel castings and structural steel, $185; lumber, $200; bolts and small hardware, $100; the balance to be available for the purchase of galvanized pipe and miscellaneous materials should an emergency occur requiring an immediate purchase.

"As the stock on hand of these materials is nearly exhausted, and in some instances entirely so, it is advisable that the request be granted.

"Owing to a saving in fuel due to a change of motive power for the air compressor at the Brooklyn Bridge, there is a sufficient balance available in Account 2768 to provide for the transfer."

I recommend the adoption of the attached resolutions granting the request.

Respectfully, ALEX. BROUGH, Deputy and Acting 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 Bridges for the year 1915, as follows:

FROM

*Supplies.*

| | | |
|---|---|---|
| 2768 | Fuel Supplies | $1,000 00 |

TO

*Materials.*

| | | |
|---|---|---|
| 2777 | General Plant Materials | $1,000 00 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Bridges for the year 1915, as follows:

*Supplies.*

| | | |
|---|---|---|
| 2768 | Fuel Supplies | $9,253 50 |
| | Tax Levy Allowance | $9,238 50 |
| | Special Revenue Bond Allowance | 15 00 |
| | Total Allowance | $9,253 50 |

*Materials.*

| | | |
|---|---|---|
| 2777 | General Plant Materials | $80,036 00 |
| | Tax Levy Allowance | $62,795 00 |
| | Special Revenue Bond Allowance | 7,541 00 |
| | Corporate Stock Allowance | 9,700 00 |
| | Total Allowance | $80,036 00 |

Which was adopted by the following vote:

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

**Department of Bridges—Appropriation from Bridge Revenues (Cal. No. 38).**

The Secretary presented a communication dated August 19, 1915, from the Commissioner of Bridges, requesting appropriations from the revenues of the Brooklyn and Williamsburg bridges to provide payment for salaries and wages for operation and maintenance of said bridges; and the following report of the Comptroller recommending approval thereof in so far as said request refers to the revenues of the Brooklyn Bridge.

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

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 19, 1915, the Commissioner of Bridges requested an appropriation of $79,717 68 from the revenues of Brooklyn Bridge and an appropriation of $33,333.34 from the revenues of Williamsburg Bridge to permit of the payment of the salaries and wages of the operation and maintenance forces engaged on these bridges. This request was referred to the Bureau of Contract Supervision on August 21, 1915, which bureau reports thereon as follows:

"With the adoption of the 1915 Budget schedules were approved for the bridge revenue force of the Department of Bridges, to be paid out of the revenues of Brooklyn Bridge, as follows:

| | | |
|---|---|---|
| 2750B | Personal Service, Salaries Regular Employees, Care of Bridges | $40,600 00 |
| 2753B | Personal Service, Salaries Temporary Employees, Care of Bridges | 2,133 33 |
| 2756B | Personal Service, Wages Regular Employees, Operation | 3,832 50 |
| 2759B | Personal Service, Wages Regular Employees, Care of Bridges | 192,020 50 |
| 2765B | Personal Service, Wages Temporary Employees, Care of Bridges | 34,496 00 |
| | Total | $273,082 33 |

"Pursuant to the provisions of subdivision 2 of section 242 of the Greater New York Charter, your Board appropriated from the revenues of Brooklyn Bridge on January 8, 1915, $91,027.44; March 19, 1915, $16,000; April 30, 1915, $79,306.55, and July 29, 1915, $6,997.33, making a total appropriation of $193,331.32. The purpose of the present request is for an appropriation of $79,717.68 in bridge revenues to meet payrolls chargeable to the schedules mentioned above. However, due to savings brought about by vacant positions and accruals, which amount to approximately $1,600 in Code 2750 and $2,900 in Code 2759 it will not be necessary to appropriate the entire amount requested and corresponding reductions can therefore be made in so far as the appropriation affects Codes 2750B and 2759B. Outside of these savings there are no funds available to meet future payrolls, and it is therefore advisable that the request of Commissioner be granted with the corresponding reductions in Codes 2750B and 2759B.

"A separate report is being prepared on the request for an appropriation of $33,333.34 out of the revenues of Williamsburg Bridge."

In view of the foregoing I recommend the adoption of the attached resolution granting the request of the Commissioner of Bridges to the amount of $75,217.68 in so far as it refers to the revenues of Brooklyn Bridge. A separate report will be presented later on the request for an appropriation of $33,333.34 from the revenues of Williamsburg Bridge. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of subdivision 2 of section 242 of the Greater New York Charter, hereby appropriates from the revenues of Brooklyn Bridge the sum of seventy-five thousand two hundred and seventeen dollars and sixty-eight cents ($75,217.68), in addition to the sums heretofore appropriated, to provide for the maintenance of the said bridge during the year 1915, as follows:

*Brooklyn Bridge, Personal Service.*

| | | |
|---|---|---|
| | Salaries Regular Employees, Care of Bridges— | |
| 2750B | Bridge Revenue Force | $11,933 34 |
| | Salaries Temporary Employees, Care of Bridges— | |
| 2753B | Bridge Revenue and Special Revenue Bond Force | 900 00 |
| | Wages Regular Employees, Operation— | |
| 2756B | Bridge Revenue Force | 1,277 50 |
| | Wages Regular Employees, Care of Bridges— | |
| 2759B | Bridge Revenue Force | 61,106 84 |
| | Total | $75,217 68 |

Which was adopted by the following vote:

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

**Armory Board—Modification of Schedule (Cal. No. 39).**

The Secretary presented a communication, dated August 24, 1915, from the Secretary of the Armory Board 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, August 28, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 24, 1915, the Armory Board requested the modification of a schedule within its appropriations for the year 1915.

The Bureau of Contract Supervision reports thereon as follows:

"The modification is requested in Code No. 1756, General Repairs, Maintenance of Armories, in order to provide funds for emergency repairs to the 14th Regiment Armory, Borough of Brooklyn. Due to the collapse of part of the wall of said armory it was necessary to shore up the remainder of the damaged portion until it could be torn down, in order to prevent any damage to life or property.

"The requested modification of the schedule is necessary in order to adjust line items so as to meet the expenditures."

I recommend the adoption of the attached resolution granting the request.

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 Armory Board for the year 1915, as follows:

*Contract or Open Order Service, General Repairs.*

| | | |
|---|---|---|
| 1756 | Maintenance of Armories— | |
| | Borough of Manhattan— | |
| | Seventh Regiment, Infantry | $800 00 |
| | Eighth Coast Defense Command | 500 00 |
| | Ninth Coast Defense Command | 500 00 |
| | Twelfth Regiment, Infantry | 900 00 |
| | Twenty-second Regiment, Engineers | 300 00 |
| | Sixty-ninth Regiment, Infantry | 200 00 |
| | Seventy-first Regiment, Infantry | 900 00 |
| | Squadron "A" Cavalry | 200 00 |
| | First Regiment, Field Artillery | 500 00 |
| | Co. "A," First Battalion, Signal Corps | 200 00 |
| | First Field Hospital | 300 00 |
| | Third Ambulance Company | 200 00 |
| | First Battalion, Naval Militia | 500 00 |
| | Headquarters Division | 100 00 |
| | Headquarters Coast Artillery Corps | 100 00 |
| | Headquarters First Brigade | 100 00 |
| | Headquarters Naval Militia | 100 00 |
| | Headquarters First Battalion Signal Corps | 100 00 |
| | Total, Borough of Manhattan | $6,500 00 |
| | Borough of The Bronx— | |
| | Second Battalion, Second Regiment, Field Artillery | $400 00 |
| | Borough of Brooklyn— | |
| | Thirteenth Coast Defense Command | $375 00 |
| | Fourteenth Regiment, Infantry | 1,850 00 |
| | Twenty-third Regiment, Infantry | 200 00 |
| | Forty-seventh Regiment, Infantry | 400 00 |
| | First Cavalry | 200 00 |
| | First Battalion, Second Regiment, Field Artillery | 250 00 |
| | Co. "B," First Battalion, Signal Corps | 150 00 |
| | Second Battalion, Naval Militia | 300 00 |
| | Headquarters Second Brigade | 50 00 |
| | Total Borough of Brooklyn | $3,775 00 |
| | Borough of Queens— | |
| | Company "I," Tenth Regiment, Infantry | $125 00 |
| | Borough of Richmond— | |
| | Troop "F," First Cavalry | $200 00 |
| | Total General Repairs | $11,000 00 |

Which was adopted by the following vote:

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

**Armory Board—Issue of Special Revenue Bonds (Cal. No. 40).**

The Secretary presented a report of the Comptroller on the resolution of the Board of Aldermen adopted July 6, 1915, requesting an issue of $25,000 special revenue bonds, the proceeds to be used by the Armory Board for the purpose of providing means for the removal of the 15th Street sallyport and the reconstruction thereof, etc., at the 14th Infantry Armory, 8th Avenue and 15th Street, Brooklyn.

The Bureau of Contract Supervision reports to the Comptroller that after a careful examination of the work of repairing and rebuilding the parapet walls, the estimated cost will not exceed $17,000.

In view of this report, it is recommended that the Board authorize an issue of $17,000 special revenue bonds for this purpose, and the modification of schedules to include the additional allowance.

The matter was laid over one week (September 24, 1915), under Rule 19.

**Department of Parks, Borough of Brooklyn—Transfer of Appropriation and Modification of Schedules (Cal. No. 41).**

The Secretary presented a communication dated August 30, 1915, from the Commissioner of Parks, Borough of Brooklyn, requesting a transfer of $3,000 within the appropriation for said department for 1915; and the following report of the Comptroller, recommending approval thereof to the extent of $2,000, and modification of schedules:

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

*Board of Estimate and Apportionment:*

Gentlemen—On August 30, 1915, the Commissioner of Parks, Borough of Brooklyn, requested transfer of funds within the appropriations to his department for the year 1915, as follows:

FROM

*Materials.*

| | | |
|---|---|---|
| 1308 | Highway Materials | $3,000 00 |

TO

*Materials.*

| | | |
|---|---|---|
| 1309 | Building Materials | $1,500 00 |
| 1311 | General Plant Materials | 1,500 00 |
| | | $3,000 00 |

On August 31, 1915, the request was referred to the Bureau of Contract Supervision, which bureau reports thereon as follows:

"The department states that the proposed transfer to Code 1309, Building Material, in which there remains a balance of $450.27, is for the purpose of providing funds for the purchase of material for making the following repairs:

| | |
|---|---|
| Heating repairs, Litchfield Mansion | $100 00 |
| Changing one boathouse and putting same in condition to use as a skate house | 600 00 |
| Electrical work for same | 140 00 |
| (This change will save the cost of erecting a temporary skate house, which would cost about $2,600, as has heretofore been done each year.) | |
| Repairs to greenhouse | 300 00 |
| Repairs to various roofs | 250 00 |

"The transfer to Code 1311, General Plant Materials, in which there is a balance of $311.53, is requested for the purpose of purchasing material for making the following repairs:

| | |
|---|---|
| Planking Coney Island Bridge | $450 00 |
| Repairing Dyker Beach Bridge | 150 00 |
| Repairing wagons and other vehicles | 200 00 |
| Pipe for skating ponds | 100 00 |
| General repairs to toilets and heating plants | 500 00 |

"These two accounts are practically exhausted, principally because the department expended the funds which were allowed for repairs for desirable small improvements not contemplated at the time of the preparation of the budget. Transfers to the extent of $4,250 have previously been made to these two accounts, but no provision has been made for the above repairs, the majority of which are of an urgent nature.

"Owing to more efficient supervision the repair force of the department has done much more work this year than is usual and the buildings and equipment of the department, after the necessary materials for repairs are provided, will be in much better condition than heretofore.

"There is sufficient unencumbered excess balance in Code 1308 to provide for the transfer.

"It is believed that the transfer of $1,000 to each account will be sufficient to provide materials for such of the specified items as should be done this year."

I recommend the adoption of the attached resolution granting the request, to the extent of $2,000, and modifying the schedules involved.

Respectfully, ALEX. BROUGH, Deputy and Acting 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 Parks, Borough of Brooklyn, for the year 1915, as follows:

FROM

*Materials.*

| | | |
|---|---|---|
| 1308 | Highway Materials | $2,000 00 |

TO

*Materials.*

| | | |
|---|---|---|
| 1309 | Building Materials | $1,000 00 |
| 1311 | General Plant Materials | 1,000 00 |
| | | $2,000 00 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Parks, Borough of Brooklyn, for the year 1915, as follows:

*Materials.*

| | | |
|---|---|---|
| 1308 | Highway Materials | $16,000 00 |
| 1309 | Building Materials | 10,425 08 |
| 1311 | General Plan: Materials | 7,065 04 |

Which was adopted by the following vote:

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

---

**Department of Parks, Borough of Brooklyn—Transfer of Appropriation and Modification of Schedules (Cal. No. 42).**

The Secretary presented a communication dated August 20, 1915, from the Commissioner of Parks, Borough of Brooklyn, 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, September 13, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 23, 1915, you referred to me a communication from the Commissioner of Parks, Borough of Brooklyn, dated August 20, 1915, requesting a transfer of funds in the supporting schedules of the Budget for 1915 by transferring from Code No. 1295, Fuel Supplies, $1,900, Code No. 1308, Highway Materials, $1,000, a total of $2,900, to the following code numbers distributed as indicated:

| | | |
|---|---|---|
| 1293 | Forage and Veterinary Supplies | $40 00 |

*Care of Parks and Boulevards.*

| | | |
|---|---|---|
| 1294 | Forage, Care of Menagerie | 1,300 00 |
| 1296 | Office Supplies | 300 00 |
| 1299 | Motor Vehicle Supplies | 400 00 |
| 1300 | General Plant Supplies | 300 00 |
| 1306 | General Plant Equipment | 200 00 |
| 1316 | Carfare | 360 00 |
| | Total | $2,900 00 |

The Bureau of Contract Supervision reports that the funds can be spared from the accounts in question and are needed for the accounts to which transfer is requested. This is particularly true of accounts No. 1293, Forage and Veterinary Supplies, No. 1294, Forage, Care of Menagerie, and No. 1296, Office Supplies, the accounts being exhausted. The other accounts are very nearly exhausted, and do not contain sufficient balances to continue the needs of the department for the balance of the year.

I recommend the adoption of the attached resolutions granting the request of the Commissioner of Parks, Borough of Brooklyn.

Respectfully, ALEX. BROUGH, Deputy and Acting 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 Parks, Borough of Brooklyn, for the year 1915, as follows:

FROM

| | | |
|---|---|---|
| 1295 | Fuel Supplies | $1,900 00 |
| 1308 | Highway Materials | 1,000 00 |
| | | $2,900 00 |

TO

*Forage and Veterinary Supplies.*

| | | |
|---|---|---|
| 1293 | Care of Parks and Boulevards | $40 00 |
| 1294 | Care of Menagerie | 1,300 00 |
| 1296 | Office Supplies | 300 00 |
| 1299 | Motor Vehicle Supplies | 400 00 |
| 1300 | General Plant Supplies | 300 00 |
| 1306 | General Plant Equipment | 200 00 |
| 1316 | Carfare | 360 00 |
| | | $2,900 00 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Parks, Borough of Brooklyn, for the year 1915, as follows:

| | | |
|---|---|---|
| 1293 | Care of Parks and Boulevards | $5,647 50 |
| 1294 | Care of Menagerie | $7,983 80 |
| 1295 | Fuel Supplies | $9,145 00 |
| | Tax Levy Allowance | $8,070 00 |
| | Special Revenue Bond Allowance | 1,075 00 |
| | Total Allowance | $9,145 00 |
| 1296 | Office Supplies | $1,112 00 |
| 1299 | Motor Vehicle Supplies | $1,368 00 |
| 1300 | General Plant Supplies | $1,451 45 |
| | Tax Levy Allowance | $1,409 45 |
| | Special Revenue Bond Allowance | 42 00 |
| | Total Allowance | $1,451 45 |
| 1306 | General Plant Equipment | $4,310 66 |
| | Tax Levy Allowance | $3,785 66 |
| | Special Revenue Bond Allowance | 525 00 |
| | Total Allowance | $4,310 66 |
| 1308 | Highway Materials | $18,000 00 |
| 1316 | Carfare | $2,760 00 |

Which was adopted by the following vote:

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

---

**Department of Parks, Borough of The Bronx—Transfer of Appropriation and Modification of Schedules (Cal. No. 43).**

The Secretary presented a communication dated August 23, 1915, from the Commissioner of Parks, Borough of The Bronx, 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, September 14, 1915.

*Board of Estimate and Apportionment:*

Gentlemen—On August 23, 1915, the Commissioner of Parks, Borough of The Bronx, requested a transfer of funds within the appropriation to said department for the year 1915, as follows:

FROM

*Personal Service, Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1217 | Care of Trees in City Streets— Line: Laborer, at $2.50 per day (898 days) | $2,245 00 |
| 1218 | Care of Bath Houses and Comfort Stations— Line: Laborer, at $2.50 per day (1,375 days) | 3,437 50 |
| | | $5,682 50 |

TO

*Personal Service, Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1216 | Care of Parks and Boulevards— Line: Laborer, at $2.50 per day (2,273 days) | $5,682 50 |

On August 24, 1915, this request was referred to the Bureau of Contract Supervision, which bureau reports thereon, as follows:

"On August 5, 1915, an issue of revenue bonds was authorized by the Board of Estimate and Apportionment for the purchase of highway material for this department, to the amount of $19,009.40. No allowance was made at that time for extra labor for the department in making use of this material.

"The work of repairing the roads for which the revenue bonds were authorized will be greatly expedited by the requested additional labor allowance.

"The department states that the proposed transfer of labor from Codes 1217 and 1218 will not affect the efficiency of the work done under those codes this year. The unexpended balance on the line laborer, in accounts 1217 and 1218, will admit of the above transfer."

I recommend the adoption of the attached resolutions granting the request and modifying the schedules involved.

Respectfully, ALEX. BROUGH, Deputy and Acting 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 Parks, Borough of The Bronx, for the year 1915, as follows:

FROM

*Personal Service, Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1217 | Care of Trees in City Streets | $2,245 00 |
| 1218 | Care of Bath Houses and Comfort Stations | 3,437 50 |
| | | $5,682 50 |

TO

*Personal Service, Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1216 | Care of Parks and Boulevards | $5,682 50 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Parks, Borough of The Bronx, for the year 1915, as follows:

*Personal Service, Wages, Temporary Employees.*

| | | |
|---|---|---|
| 1216 | Care of Parks and Boulevards— | |
| | Mason, at $5 per day (200 days) | $1,000 00 |
| | Painter, at $4 per day (600 days) | 2,400 00 |
| | Carpenter, at $5 per day (834 days) | 4,170 00 |
| | Laborer, at $2.50 per day (65,233 days) | 163,082 50 |
| | Blaster, at $4 per day (200 days) | 800 00 |
| | Auto Lawnmower Engineer, at $3.50 per day (1,400 days) | 4,900 00 |

| | | |
|---|---|---|
| | Steam Engineer, at $5 per day (726 days) | 3,630 00 |
| | Stoker, at $3 per day (1,674 days) | 5,022 00 |
| | | $185,004 50 |
| | Tax Levy Allowance | $184,674 50 |
| | Revenue Bond Allowance | 330 00 |
| | Total Allowance | $185,004 50 |
| 1217 | Care of Trees in City Streets— | |
| | Engineman, at $3.50 per day (500 days) | $1,750 00 |
| | Climbers and Pruners, at $2.50 per day (6,080 days) | 15,200 00 |
| | Laborer, at $2.50 per day (2 days) | 5 00 |
| | | $16,955 00 |
| 1218 | Care of Bath Houses and Comfort Stations— | |
| | Cleaner, at $1.75 per day (1,400 days) | $2,450 00 |
| | Laborer, at $2.50 per day (2,425 days) | 6,062 50 |
| | | $8,512 50 |

Which was adopted by the following vote:

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

**Department of Parks, Borough of The Bronx—Transfer of Appropriation and Modification of Schedules (Cal. No. 44).**

The Secretary presented a communication dated August 23, 1915, from the Commissioner of Parks, Borough of The Bronx, requesting 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, September 14, 1915.

*Board of Estimate and Apportionment:*

Gentlemen—On August 23, 1915, the Commissioner of Parks, Borough of The Bronx, requested a transfer within the appropriation made for said department for the year 1915, as follows:

| | | |
|---|---|---|
| | FROM | |
| | *Supplies.* | |
| 1223 | Botanical and Agricultural Supplies | $1,056 84 |
| | TO | |
| | *Supplies.* | |
| 1220 | Fuel Supplies | $520 84 |
| | *Materials.* | |
| 1233 | General Plant Materials | 336 00 |
| | *Contract or Open Order Service, Transportation.* | |
| 1236 | Shoeing and Boarding Horses, including veterinary services | 100 00 |
| 1241 | Motor vehicle repairs | 100 00 |

On August 25, 1915, this request was referred to the Bureau of Contract Supervision, which bureau reports thereon as follows:

"The transfer to Code 1220, Fuel Supplies, is necessary, owing to the fact that the consumption of fuel for the twelve months preceding July 1, 1915, exceeded the anticipated consumption at the time of preparation of the 1915 Budget by about one hundred tons, thus leaving insufficient funds in the account to purchase coal to carry the department to the end of the present year. The unexpended balance in this account is $23.75.

"The transfer to Code 1233, General Plant Materials, is for the purpose of purchasing a front roller for the Iroquois tandem roller, and for parts for the stone loading machine, including a new gasoline engine. All of this expense is due to breakdowns not anticipated at the time the budget was prepared, and in each case the expense is warranted by the value of and need for the work performed by the machinery, for which the parts are to be purchased. The unencumbered balance in the account is $21.57.

"The need for the transfer to Code 1236, Shoeing and Boarding Horses, is due to the fact that the cost of shoeing horses was estimated at the time of the preparation of the budget to be $36 per horse per year, but owing to the necessary use of rubber pads, it will average $5 per horse per year. The unencumbered balance in this account is at present $20.

"The transfer to Code 1241, Motor Vehicle Repairs, is to provide for the White auto truck (which is used to transport the forces of the department which are engaged in spraying trees), to the extent of fifty dollars ($50), and for several small repairs to the Rainer and Marquette cars. The unencumbered balance in this account is $11.52. There is sufficient excess unencumbered balance in account 1223 to admit of the proposed transfer."

I recommend the adoption of the attached resolutions granting the request, and modifying the schedules involved. Respectfully,

ALEX. BROUGH, Deputy and Acting 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 Parks, Borough of The Bronx, for the year 1915, as follows:

| | | |
|---|---|---|
| | FROM | |
| | *Supplies.* | |
| 1223 | Botanical and Agricultural Supplies | $1,056 84 |
| | TO | |
| | *Supplies.* | |
| 1220 | Fuel Supplies | $520 84 |
| | *Materials.* | |
| 1233 | General Plant Materials | 336 00 |
| | *Contract or Open Order Service, Transportation.* | |
| 1236 | Shoeing and Boarding Horses, Including Veterinary Services | 100 00 |
| 1241 | Motor Vehicle Repairs | 100 00 |
| | | $1,056 84 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Parks, Borough of The Bronx, for the year 1915, as follows:

| | | |
|---|---|---|
| | *Supplies.* | |
| 1220 | Fuel Supplies | $4,127 89 |
| 1223 | Botanical and Agricultural Supplies | 4,270 31 |
| | *Materials.* | |
| 1233 | General Plant Materials | $6,679 30 |
| | Tax Levy Allowance | $5,439 30 |
| | Revenue Bond Allowance | 1,240 00 |
| | Total Allowance | $6,679 30 |
| | *Contract or Open Order Service, Transportation.* | |
| 1236 | Shoeing and Boarding Horses, Including Veterinary Services | $480 00 |
| 1241 | Motor Vehicle Repairs | 975 00 |

Which was adopted by the following vote:

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

**Department of Parks, Borough of Queens—Transfer of Appropriation and Modification of Schedules (Cal. No. 45).**

The Secretary presented a communication, dated July 27, 1915, from the Commissioner of Parks, Borough of Queens, 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, August 24, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On July 29, 1915, you referred to the Bureau of Contract Supervision a communication dated July 27, 1915, from the Commissioner of Parks, Borough of Queens, requesting transfer within appropriations to his department for the year 1915, which bureau reports thereon as follows:

"It is proposed to transfer $611.26 from Materials, No. 1395, Highway Materials, $211.26, to Supplies, No. 1387, Motor Vehicle Supplies, and $400 to Equipment, No. 1392, Motor Vehicles and Equipment.

"Account No. 1387, Unencumbered Balance, $2.07. There is a sufficient supply of gasoline in the store yard to take care of the needs of the department until about September 15th. Transfer in the amount requested is necessary for the continuation during the remainder of the year of the automobiles, auto trucks, saw mill and shop engines.

"Account No. 1392, Unencumbered Balance, $69.62. The allowance in the 1915 Budget for motor vehicle equipment was based on the operation of two cars. In the latter part of 1914 the Commissioner of Parks purchased two Ford cars to be used by the Engineering force and by the Forester. The expenditure on account of these two cars to date is $295. This, in addition to the increased expenditure on account of equipment for the Commissioner's automobile, has depleted the account. Transfer in the amount requested will provide for the liquidation of bills rendered on account of tubes and tires furnished during the months of June, July and August, amounting to $352.96, leaving a balance of $116.66 for the needs of the department during the remainder of the year."

I recommend the adoption of the attached resolutions granting the request and modifying the schedules involved. 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 Parks, Borough of Queens, for the year 1915, as follows:

| | | |
|---|---|---|
| | FROM | |
| | *Materials.* | |
| 1395 | Highway Materials | $611 26 |
| | TO | |
| | *Supplies.* | |
| 1387 | Motor Vehicle Supplies | $211 26 |
| | *Equipment.* | |
| 1392 | Motor Vehicles and Equipment | 400 00 |
| | | $611 26 |

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 Parks, Borough of Queens, for the year 1915, as follows:

| | | |
|---|---|---|
| | *Supplies.* | |
| 1387 | Motor Vehicle Supplies | $948 12 |
| | *Equipment.* | |
| 1392 | Motor Vehicles and Equipment | 1,540 34 |
| | *Materials.* | |
| 1395 | Highway Materials | 10 00 |

Which was adopted by the following vote:

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

**Department of Education—Transfer of Appropriation and Modification of Schedules (Cal. No. 46).**

The Secretary presented a resolution adopted by the Board of Education on June 23 1915, requesting a transfer within the appropriation for the special school fund 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, Committee on Education, August 23, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On June 23 1915 the Board of Education requested transfer of funds within the Special School Fund for the year 1915 as follows:

| | | |
|---|---|---|
| | FROM | |
| | *Contract or Open Order Service, Transportation, Transportation of Pupils.* | |
| 963 | Borough of Queens | $1,000 00 |
| 964 | Borough of Richmond | 1,500 00 |
| | | $2,500 00 |
| | TO | |
| | *Contract or Open Order Service, Transportation, Transportation of Pupils.* | |
| 961 | Borough of The Bronx | $2,500 00 |

In connection therewith I report as follows:

The proposed transfer is requested to provide funds to meet the estimated expenditure for transportation of pupils in The Bronx. In order to present the condition of the 1915 accounts for transportation of pupils and at the same time collate data to be used in the analysis of the corresponding estimate for 1916, a financial and statistical analysis has been made. The various exhibits to which reference will be made not only explain the causes underlying the anticipated deficit in the Bronx and estimated balances in other boroughs, but also show the results which are being obtained from the expenditure for the transportation of school children.

An analysis of the 1915 Budget allowance for transportation of pupils shows that 79 per cent. of the total is provided for school stages and 21 per cent. for car fares. The stages used for the transportation of normal pupils are different from those for cripples. The statement which follows (Exhibit 1) shows the amount of the allowance segregated by kinds of transportation and by boroughs:

EXHIBIT 1.

*Analysis of 1915 Budget Allowance for Transportation of Pupils.*

| | School Stages. | | | | | |
|---|---|---|---|---|---|---|
| | Normal Pupils. | Cripples. | Total. | Carfares. | Printing Car Tickets. | Grand Total. |
| Manhattan | ..... | $27,561 30 | $27,561 30 | $5,266 64 | ..... | $32,827 94 |
| The Bronx | $11,656 73 | 4,727 25 | 16,383 98 | 6,821 76 | $158 53 | 23,364 27 |
| Brooklyn | 3,865 84 | 12,691 95 | 16,557 79 | 3,339 83 | ..... | 19,897 62 |
| Queens | 39,313 53 | ..... | 39,313 53 | 4,489 72 | ..... | 43,803 25 |
| Richmond | 4,584 85 | ..... | 4,584 85 | 8,270 30 | ..... | 12,855 15 |
| Total | $59,420 95 | $44,980 50 | $104,401 45 | $28,188 25 | $158 53 | $132,748 23 |

The 1915 contract for school stages covers all stages operated except the one which runs from Linoleumville to Curtis High School, S. I., for which $1 a day is paid. Reference to Exhibit II which follows shows that the price bid on stages for normal pupils in The Bronx was not so low as was estimated. However, the price in Queens was much lower, the result as a whole being that the contract price on stages for normal pupils was less than the estimate by $27.71. The bids on stages for cripples aggregated $3,844.83 less than the estimate.

EXHIBIT II.

*Statement Showing the Contract Price Compared With the 1915 Budget Allowance for School Stages.*

*(Stages for Normal Pupils.)*

| | Number of Stages. | 1915 Budget Allowance. Average Rate Per Stage. | 1915 Budget Allowance. Amount. | 1915 Contract. Average Rate Per Stage. | 1915 Contract. Amount. | Comparison of Contract With Allowance. Increase. | Comparison of Contract With Allowance. Decrease. |
|---|---|---|---|---|---|---|---|
| The Bronx.... | 18 | $647 55 | $11,656 73 | $832 33 | $14,982 04 | $3,325 31 | ..... |
| Brooklyn ..... | 4 | 966 25 | 3,865 84 | 997 75 | 3,991 90 | 126 06 | ..... |
| Queens ..... | 46 | 854 63 | 39,313 53 | 780 80 | 35,917 55 | ..... | $3,395 98 |
| Richmond .... | 7 | 627 57 | 4,393 85 | 615 71 | 4,310 75 | ..... | 83 10 |
| Total .. | 75 | $789 73 | $59,229 95 | $789 36 | $59,202 24 | ..... | $27 71 |

*(Stages for Cripples.)*

| | Number of Stages. | 1915 Budget Allowance. Average Rate Per Stage. | 1915 Budget Allowance. Amount. | 1915 Contract. Average Rate Per Stage. | 1915 Contract. Amount. | Comparison of Contract With Allowance. Increase. | Comparison of Contract With Allowance. Decrease. |
|---|---|---|---|---|---|---|---|
| Manhattan ... | 17 | $1,621 23 | $27,561 30 | $1,392 00 | $23,664 90 | ..... | $3,896 40 |
| The Bronx.... | 4 | 1,181 81 | 4,727 25 | 1,261 50 | 5,046 22 | $318 97 | ..... |
| Brooklyn ..... | 7 | 1,813 13 | 12,691 95 | 1,774 85 | 12,424 55 | ..... | 267 40 |
| Total .. | 28 | $1,606 50 | $44,980 50 | $1,469 67 | $41,135 67 | ..... | $3,844 83 |
| Net Decrease of Contract Under Allowance..... | | | | | | | $3,872 54 |

In order to show the balances that may be expected to exist in the carfare accounts, the following table has been prepared giving a comparison between the estimated expenditures and the 1915 allowance. Reference to Exhibit II-B shows that a deficit is anticipated in Queens and a surplus in The Bronx and Richmond.

EXHIBIT II-B.

*Statement Showing the Estimated Expenditure Compared With the Budget Allowance for 1915 for Carfares—Transportation.*

| | 1915 Budget Allowance. | Estimated Expenditure for 1915. | Comparison of Estimated Expenditure With Allowance. Increase. | Comparison of Estimated Expenditure With Allowance. Decrease. |
|---|---|---|---|---|
| Manhattan ..... | $5,266 64 | $5,266 64 | ..... | ..... |
| The Bronx ..... | 6,980 29 | 6,455 62 | ..... | $524 67 |
| Brooklyn ..... | 3,339 83 | 3,339 83 | ..... | ..... |
| Queens ..... | 4,489 72 | 5,469 34 | $979 62 | ..... |
| Richmond ..... | 8,270 30 | 6,853 40 | ..... | 1,416 90 |
| Total ..... | $28,346 78 | $27,384 83 | ..... | $961 95 |

The following summary, prepared from the foregoing statements, shows that the expenditures for stages and carfares will exceed the appropriation in The Bronx and leave an unexpended balance in the other boroughs:

EXHIBIT II-C.

*Summary Statement Showing the Total Contracts and Estimated Expenditures Compared with the 1915 Budget Allowance for Transportation of School Children.*

| | 1915 Budget Allowance. | Contracts and Estimated Expenditures for 1915. | Comparison of Contracts and Estimated Expenditures with Budget Allowance. Increase. | Comparison of Contracts and Estimated Expenditures with Budget Allowance. Decrease. |
|---|---|---|---|---|
| Manhattan ..... | $32,827 94 | $28,931 54 | ..... | $3,896 40 |
| The Bronx ..... | 23,364 27 | 26,483 88 | $3,119 61 | ..... |
| Brooklyn ..... | 19,897 62 | 19,756 28 | ..... | 141 34 |
| Queens ..... | 43,803 25 | 41,386 89 | ..... | 2,416 36 |
| *Richmond ..... | 12,855 15 | 11,355 15 | ..... | 1,500 00 |
| Total..... | $132,748 23 | $127,913 74 | ..... | $4,834 49 |

*Includes $191 for a stage not on the contract.

From the above analysis it will be seen that the transfer of $2,500 to the Borough of The Bronx is required to enable the Department of Education to carry out its policy in reference to the transportation of pupils and that the estimated balances in the Boroughs of Queens and Richmond will permit of the transfer of $1,000 and $1,500, respectively, being made.

In view of the fact that the Board of Estimate and Apportionment will soon be called upon to consider the 1916 estimate for the transportation of school children several statistical tables are appended to this report showing the number of pupils for whom transportation is provided, together with unit cost.

The cost of transportation of normal pupils in the various boroughs is shown by Exhibit III, which follows, to average $0.1267 per pupil per day, and $0.0435 per pupil mile. For cripples the cost of transportation is shown by Exhibit IV to be $0.286 per day. The reason that it costs more to transport cripples than normal pupils is because in addition to the driver a strong and competent person has to accompany the children to assist them.

EXHIBIT III.

*Statement Showing the Cost of Transportation of Normal Pupils by Contract Stages.*

| | The Bronx. | Brooklyn. | Queens. | Richmond. | Total. |
|---|---|---|---|---|---|
| Number of stages..... | 18 | 4 | 46 | 7 | 75 |
| Number of children carried— | | | | | |
| Boys ..... | 215 | 62 | 853 | 83 | 1,213 |
| Girls ..... | 266 | 64 | 836 | 72 | 1,238 |
| Total..... | 481 | 126 | 1,689 | 155 | 2,451 |
| Average number of children carried per stage ..... | 26.8 | 31.5 | 36.5 | 22.14 | 32.6 |
| Pupil miles per day ..... | 1,375.5 | 360 | 4,779.08 | 623.3— | 7,137.88 |
| Annual amount of contract..... | $14,982 04 | $3,991 90 | $35,917 55 | $4,310 75 | $59,393 24 |
| Daily amount of contract..... | 78 44 | 20 90 | 188 05 | 23 25 | 311 64 |
| Average cost per pupil per day.. | 163 | 1658 | 1113 | 1496 | 1267 |
| Average cost per pupil mile.... | 057 | 0581 | 0393 | 0372 | 0435 |

EXHIBIT IV.

*Statement Showing the Cost of Transportation of Cripples by Contract Stages.*

| | Manhattan. | The Bronx. | Brooklyn. | Total. |
|---|---|---|---|---|
| Number of stages ..... | 17 | 4 | 7 | 28 |
| Annual amount of contract..... | $23,664 90 | $5,046 22 | $12,424 55 | $41,135 67 |
| Daily amount of contract..... | 123 90 | 26 42 | 65 05 | 215 37 |
| Average number of pupils per stage | 29.2 | 15.2 | 27.6 | 26.8 |
| Average cost per pupil per day..... | .249 | .432 | .337 | .286 |

The following analysis of the 1915 Budget allowance for carfares shows the number of blind, deaf and normal pupils, as well as guides, for whom carfare is provided. Reference to Exhibit V shows that the average cost per day per person is estimated at $0.0938.

EXHIBIT V.

*Analysis of 1915 Budget Allowance for Carfares, Transportation.*

| | Number of Persons Transported. Blind Pupils. | Guides for Blind Pupils. | Deaf Pupils. | Normal Pupils. | Total Persons. | Amount Allowed for Transportation. Blind Pupils. | Guides for Blind Pupils. | Deaf Pupils. | Normal Pupils. | Total Amount. | Daily Per Capita Cost. Number of Days in Year. | Number of Pupil Days. | Average Cost Per Day. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manhattan ..... | 43 | 29 | 175 | .. | 247 | $698 11 | $891 78 | $3,676 75 | ..... | $5,266 64 | 191 | 47,177 | $0 1116 |
| The Bronx ..... | 18 | 10 | .. | 332 | 360 | 213 16 | 267 40 | ..... | $6,341 20 | 6,821 76 | 191 | 68,760 | 0992 |
| Brooklyn ..... | 34 | 21 | 6 | 168 | 229 | 415 62 | 441 21 | 68 76 | 2,414 24 | 3,339 83 | 191 | 43,739 | 0763 |
| Queens ..... | 9 | 6 | 12 | 249 | 276 | 125 49 | 123 77 | 183 36 | 4,057 10 | 4,489 72 | 157.6 | 43,497 | 1032 |
| Richmond ..... | .. | .. | .. | 509 | 509 | ..... | ..... | ..... | 8,270 30 | 8,270 30 | 191 | 97,219 | 0856 |
| Sub-total ..... | 104 | 66 | 193 | 1,258 | 1,621 | $1,452 38 | $1,724 16 | $3,928 87 | $21,082 84 | $28,188 25 | | 300,392 | $0 0938 |
| Printing Carfare Tickets, The Bronx ..... | | | | | | | | | | 158 53 | | | |
| | | | | | | | | | | $28,346 78 | | | |

From the amount of carfare expended up to June 1, it would appear that there would be a considerable surplus remaining in Richmond at the end of the year.

The policy of the Department of Education is not to allow transportation to normal pupils living less than one mile from school. In order to show the distribution of normal pupils according to the distance carried, Exhibit VI has been prepared. From this exhibit it appears that more than 90 per cent. of the pupils live a mile or more away from school. The average distance carried is 1,456 miles.

It should be noted that no extra expense is incurred in transporting children who live less than a mile from school, because on the 16 stage routes where 228 pupils are carried less than a mile, there are also transported 798 pupils a mile or more. On any of the stage routes above referred to there are at least nine pupils transported a mile or more.

EXHIBIT VI.

*Statement Showing the Distribution of Normal Pupils According to Distance Carried in Contract Stages.*

Number of Pupils Transported.

| Miles. | The Bronx. | Brooklyn. | Queens. | Richmond. | Total. |
|---|---|---|---|---|---|
| .5 Miles..... | 17 | .. | 41 | .. | 58 |
| .6 Miles..... | .. | .. | 8 | 1 | 9 |
| .75 Miles..... | 7 | .. | 43 | 10 | 60 |
| .8 Miles..... | .. | 22 | 37 | 13 | 72 |
| .9 Miles..... | .. | .. | 19 | 10 | 29 |
| 1. Mile..... | 113 | 18 | 512 | 11 | 654 |
| 1.125 Miles..... | 8 | .. | 91 | 4 | 103 |
| 1.25 Miles..... | 100 | 8 | 243 | 3 | 354 |
| 1.4 Miles..... | .. | 2 | 26 | .. | 28 |
| 1.5 Miles..... | 121 | 9 | 251 | 6 | 387 |
| 1.75 Miles..... | 28 | 58 | 108 | 27 | 221 |
| 1.8 Miles..... | .. | 7 | .. | .. | 7 |
| 2. Miles..... | 43 | 2 | 166 | 11 | 222 |
| 2.25 Miles..... | 5 | .. | 3 | .. | 8 |
| 2.5 Miles..... | 23 | .. | 102 | 22 | 147 |
| 2.75 Miles..... | 1 | .. | 20 | 2 | 23 |
| 3. Miles..... | 9 | .. | 12 | 13 | 34 |
| 3.25 Miles..... | .. | .. | 1 | 5 | 6 |
| 3.5 Miles..... | 5 | .. | 2 | .. | 7 |
| 4. Miles..... | 1 | .. | 4 | 13 | 18 |
| 4.5 Miles..... | .. | .. | .. | 3 | 3 |
| 5. Miles..... | .. | .. | 1 | 1 | 1 |
| Total ..... | 481 | 126 | 1,689 | 155 | 2,451 |

Average 1.43 miles, 1.42 miles, 1.41 miles, 2.01 miles, 1.456 miles.

An analysis of transportation is hardly complete unless reference is made to the age and grade of normal pupils transported in school stages. Exhibits VII and VIII show the age of pupils transported and the grade distribution, respectively.

EXHIBIT VII.

*Statement Showing the Age Distribution of Normal Pupils Carried in Contract Stages.*

Number of Pupils Transported.

| Age. | The Bronx. | Brooklyn. | Queens. | Richmond. | Total. |
|---|---|---|---|---|---|
| 4 Years..... | .. | .. | 11 | .. | 11 |
| 5 Years..... | .. | .. | 34 | 2 | 36 |
| 6 Years..... | 23 | 3 | 128 | 7 | 161 |
| 7 Years..... | 62 | 13 | 199 | 12 | 286 |
| 8 Years..... | 56 | 4 | 217 | 8 | 285 |
| 9 Years..... | 48 | 12 | 216 | 15 | 291 |
| 10 Years..... | 55 | 11 | 211 | 9 | 286 |
| 11 Years..... | 59 | 17 | 176 | 18 | 270 |
| 12 Years..... | 53 | 18 | 186 | 6 | 263 |
| 13 Years..... | 53 | 15 | 149 | 26 | 243 |
| 14 Years..... | 48 | 16 | 111 | 27 | 202 |
| 15 Years..... | 22 | 13 | 43 | 17 | 95 |
| 16 Years..... | 2 | 3 | 6 | 6 | 17 |
| 17 Years..... | .. | 1 | 2 | 1 | 4 |
| 18 Years..... | .. | .. | .. | 1 | 1 |
| Total..... | 481 | 126 | 1,689 | 155 | 2,451 |

EXHIBIT VIII.

*Statement Showing the Grade Distribution of Normal Pupils Carried in Contract Stages.*

Number of Pupils Transported.

| Grade. | The Bronx. | Brooklyn. | Queens. | Richmond. | Total. |
|---|---|---|---|---|---|
| Kindergarten | .. | .. | 48 | 3 | 51 |
| 1A | 24 | 9 | 107 | 11 | 151 |
| 1B | 37 | 6 | 130 | 8 | 181 |
| 2A | 25 | 3 | 101 | 10 | 139 |
| 2B | 38 | 5 | 121 | 9 | 173 |
| 3A | 34 | 4 | 121 | 8 | 167 |
| 3B | 28 | 4 | 151 | 6 | 189 |
| 4A | 31 | 5 | 98 | 10 | 144 |
| 4B | 44 | 6 | 130 | 12 | 192 |
| 5A | 22 | 16 | 116 | 1 | 155 |
| 5B | 31 | 19 | 130 | 5 | 185 |
| 6A | 37 | 6 | 96 | 16 | 155 |
| 6B | 28 | 9 | 80 | 4 | 121 |
| 7A | 20 | 12 | 85 | 18 | 135 |
| 7B | 34 | 3 | 83 | 7 | 127 |
| 8A | 20 | 12 | 47 | 9 | 88 |
| 8B | 25 | 7 | 43 | 4 | 79 |
| E | 3 | .. | 1 | .. | 4 |
| Ungraded | .. | .. | 1 | .. | 1 |
| High School | .. | .. | .. | 14 | 14 |
| Total | 481 | 126 | 1,689 | 155 | 2,451 |

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 1915, as follows:

FROM

*Contract or Open Order Service, Transportation, Transportation of Pupils.*

963 Borough of Queens ..... $1,000 00
964 Borough of Richmond ..... 1,500 00

$2,500 00

TO

*Contract or Open Order Service, Transportation, Transportation of Pupils.*

961 Borough of The Bronx..... $2,500 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 1915, as follows:

*Contract or Open Order Service, Transportation, Transportation of Pupils.*

961 Borough of The Bronx..... $25,864 27
963 Borough of Queens ..... 42,803 25
964 Borough of Richmond ..... 11,355 15

Which was adopted by the following vote:

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

**Department of Education—Transfer of Appropriation and Modification of Schedules (Cal. No. 47).**

The Secretary presented a resolution adopted by the Board of Education on July 14, 1915, requesting a transfer within the appropriation for the Special School Fund 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, August 30, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On July 14, 1915, the Board of Education requested transfer of funds within the Special School Fund for the year 1914 as follows:

FROM

*Supplies, Food Supplies.*

868 Truant Schools ..... $535 00

TO

*Supplies, Office Supplies.*

874 Executive ..... $535 00

The aforesaid transfer is requested in order to provide the necessary funds to pay the balance of the amount due H. C. Hallenbeck for printing 300 copies of the 1914 Departmental Estimate. There was provided in the 1914 Budget for this purpose $1,050, which was at the rate of $4.20 each for 250 pages. When the estimate was printed the number of pages was 631, and the rate was $3.45, making a total of $2,176.95, an increase of $1,126.95 over the amount provided.

The account to be debited appears as follows on the books of the Department of Education:

*Supplies, Food Supplies.*

868 Truant Schools—
Budget Appropriation ..... $27,426 93
Payments ..... 25,577 99

Unexpended balance ..... $1,848 94

The reason for the unexpended balance in the appropriation for food supplies is because of the economies effected in providing meals at truant schools, due to the increased production of the farm, bakery and other departments. In 1914 the average daily per capita cost for food supplies at the New York Parental School was $0.192 and at the Brooklyn Truant School $0.187. The balance in account 868 permits of the transfer of $535 as proposed.

The account to which it is proposed to transfer funds shows the following balance as per the books of the Department of Education:

*Supplies, Office Supplies.*

874 Executive—
Budget appropriation as modified..... $21,615 86
Payments ..... 19,874 29

Unexpended balance ..... $1,741 57
Unpaid bills ..... 2,266 38

Deficit ..... $524 81

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, Food Supplies.*

868 Truant Schools ..... $535 00

TO

*Supplies, Office Supplies.*

874 Executive ..... $535 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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 1915, as follows:

*Supplies, Food Supplies.*

868 Truant Schools ..... $535 00

*Supplies, Office Supplies.*

874 Executive ..... $535 00

Which was adopted by the following vote:

Affirmative—The Mayor, the Comptroller, the President of the Board of Aldermen and the Presidents of the Boroughs of Manhattan, Brooklyn, The Bronx, Queens and 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

Supply, requesting the substitution of modified blue prints for the prints originally attached to the agreement, was referred to the Comptroller.)

The Secretary presented a communication dated August 24, 1915, from the Assistant Secretary, Board of Water Supply, relative to the resolution adopted on August 19, 1915 (Cal. No. 9), approving a modified agreement with the New York Telephone Company, providing for the substitution of open wire circuit crossing for the submarine cable at the temporary Rye Dike, Kensico Reservoir, and enclosing modified blue print to be substituted for the print originally attached to the agreement; and the following report of the Comptroller recommending approval thereof:

City of New York, Department of Finance, Comptroller's Office, September 3, 1915.

*To the Honorable the Board of Estimate and Apportionment:*

Gentlemen—On August 19, 1915, your Board approved a modified agreement between the New York Telephone Company and the City of New York, which provided for the substitution of an open wire circuit crossing for the submarine cable at the temporary Rye Dike, at the Kensico Reservoir of the Board of Water Supply of the City of New York, in accordance with blue prints submitted.

The New York Telephone Company in a communication under date of August 23, 1915, requests permission to substitute blue print Acc.X-22549 for blue print Acc.X-22540, originally attached to the agreement.

The new print shows the open wire circuit spanning the reservoir and the supports on the temporary Rye Dike omitted, and the Chief Engineer of the Board of Water Supply advises that this modified plan is even more satisfactory to the City than the original plant; at a meeting of the Board of Water Supply held August 24, 1915, the request of the New York Telephone Company for the substitution of blue prints was approved, and at a meeting of the Board of Estimate and Apportionment held August 25, 1915, the matter was referred to the Comptroller for examination and report.

As the proposed change will result in a better arrangement of the lines for the City, I respectfully recommend that the Board of Estimate and Apportionment adopt a resolution approving the substitution of blue print Acc.X-22549 for blue print Acc.X-22540 as a part of the said modified agreement.

Respectfully, ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves of the substitution of blue print Acc. X-22549 for blue print Acc. X-22540 as a part of the modified agreement between the Board of Water Supply and the New York Telephone Company, providing for the substitution of an open wire circuit crossing for the submarine cable at the temporary Rye Dike, Kensico Reservoir, which modified agreement was approved by the Board of Estimate and Apportionment August 19, 1915.

Which was adopted by the following vote:

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

---

**Department of Finance—Transfer Within the Debt Service of The City of New York (Cal. No. 51).**

The Secretary presented the following communication from the Comptroller:

City of New York, Department of Finance, September 7, 1915.

*The Board of Estimate and Apportionment, New York City:*

Gentlemen—Appropriation Budget Code No. 3018 of 1915, being the provision for interest on bonds, corporate stock and corporate stock notes to be issued from October 1st to December 31st, 1914, and during 1915, shows an apparent surplus of $606,881.53.

Appropriation Budget Code No. 3019 of 1915, being the provision for interest on revenue bonds and revenue bills, indicates, under present calculations, a probable deficit of say $470,000

It is therefore recommended that a transfer be authorized from Code No. 3018 to 3019 of 1915 of $500,000. The figures on which the budget estimates were based were necessarily one year in advance without definite knowledge as to the actual amounts needed to be borrowed and the probable money rates at which such borrowing could be made. This transfer is made necessary by a more accurate estimate of the requirements for the purposes mentioned.

Yours very truly, 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 Debt Service of The City of New York for the year 1915, as follows:

FROM

*Fixed Charges and Contributions, Interest on City Debt.*

3018 Interest on Bonds, Corporate Stock and Corporate Stock Notes to be issued from October 1, to December 31, 1914, and during 1915. $500,000 00

TO

*Fixed Charges and Contributions, Interest on City Debt.*

3019 Interest on Revenue Bonds and Revenue Bills..... $500,000 00

Which was adopted by the following vote:

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

---

**Queens County Water Company—Claim of (Cal. No. 52).**

The Secretary presented the following certificate of the Deputy and Acting Comptroller:

City of New York, Department of Finance, Comptroller's Office, August 26, 1915.

*To the Honorable the Board of Estimate and Apportionment:*

Gentlemen—Under and pursuant to the provisions of section 246 of the Greater New York Charter, I hereby certify that a claim has been presented against the City by the Queens County Water Company for the sum of twenty thousand, eight hundred, twenty-four and 43-100 dollars ($20,824.43), alleged to be due for water supplied to The City of New York at Watts Pond, Valley Stream, Long Island, between September 25, 1914, and February 3, 1915; that the said water was supplied in accordance with the terms of a written order issued by the Commissioner of the Department of Water Supply, Gas and Electricity, dated September 25, 1914; that as the value of the water furnished is in excess of one thousand dollars and no formal contract therefor having been entered into, and no appropriation having been previously made, said claim is illegal and invalid as against the City, but notwithstanding such invalidity it is, in my judgment, equitable and proper for the City to pay the reasonable value of the benefit which it has derived by reason of the furnishing of said water; that the reasonable value of such benefit, without interest, is the sum of twenty thousand, eight hundred, twenty-four and 43-100 dollars ($20,824.43), which sum should be paid to the Queens County Water Company upon the execution of a full release in favor of the City, in such form as shall be approved by the Corporation Counsel. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 246 of the Greater New York Charter, being chapter 601 of the Laws of 1907, as amended, hereby determines that the City has received a benefit and is justly and equitably obligated to pay to the Queens County Water Company the sum of twenty thousand eight hundred twenty-four dollars and forty-three cents ($20,824.43), without interest, for water supplied to The City of New York at Watts' Pond, Valley Stream, Nassau County, from September 25, 1914, to February 3, 1915; that said sum shall be paid in full satisfaction of the claim which has been presented by the Queens County Water Company; that the interests of the City will be best subserved by the adjustment of said claim in said sum; that payment shall only be made upon the execution by the said Queens County Water Company of a full release in favor of The City of New York, in such form as may be approved by the Corporation Counsel, and the Comptroller is hereby authorized to pay said sum from the account "Revenue Bond Fund for Claims, Miscellaneous, R. C. L.—11."

Which was adopted by the following vote:

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

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**John L. Halloran et al.—Claims of (Cal. No. 53).**

The Secretary presented the following certificate of the Deputy and Acting Comptroller:

City of New York, Department of Finance, Comptroller's Office, September 3, 1915.

*To the Honorable the Board of Estimate and Apportionment:*

Gentlemen—Under and pursuant to the provisions of section 246 of the Greater New York Charter, being chapter 601 of the Laws of 1907, I hereby certify that the following claims have been presented against the City of New York for goods furnished and supplied and services rendered to the Department of Public Charities upon open market orders signed by the Commissioner or one of his deputies:

| | | |
|---|---|---|
| 78743 | John L. Halloran, for services as veterinary | $158 25 |
| B-1226 | F. S. Banks & Co., for combs, dusters, etc | 775 48 |
| B-1229 | Henry Maurer & Son, for 1,000 fire brick, and cartage | 26 25 |
| B-1230 | James M. Shaw & Co., for dishes, etc | 118 60 |
| B-1233 | James F. Kelly, for shoeing horses | 9 66 |
| B-1234 | Bass & Bass, for glassware | 35 44 |
| B-1235 | The Mason Mfg. Co., for plumbing supplies | 63 02 |
| B-1231 | Godfrey, Keeler Co., dumping grates, etc | 260 27 |
| B-1238 | Crane Co., for supplies | 12 65 |
| B-1239 | John E. Smith's Sons Co., for supplies | 1 50 |
| B-1240 | Ansonia Garage, for gasoline and oil | 462 83 |
| B-1241 | Peter Henderson & Co., for flower seeds and bulbs | 56 10 |
| B-1242 | James S. Barron & Co., for supplies | 22 09 |
| B-1244 | Reedy Elevator Co., elevator supplies | 17 55 |
| B-1245 | Conservation Commission, willow and pine cuttings | 22 00 |
| B-1246 | Metropolitan Tobacco Co., for tobacco | 82 93 |
| B-1251 | T. J. Moloney, for clipping horses | 12 50 |
| B-1252 | A. B. Dick Co., for stationery | 34 61 |
| B-1253 | Frank Richard & Gardner Co., for chain block and grease | 35 48 |
| B-1254 | John Lally, for shoeing horses | 26 16 |
| B-1256 | D. B. Pershall & Son, for hardware | 428 29 |
| B-1257 | Daniel Pollard, for shoeing horses | 344 75 |
| B-1261 | Frymier & Hanna Co., for terra cotta partition and flooring blocks | 35 00 |
| B-1262 | Hanlon & Goodman Co., for paint brushes | 169 75 |
| B-1263 | Standard Supply Co., for army overcoats | 370 00 |
| B-1267 | National Lead Company, for 1,500 lbs. lead | 88 50 |
| B-1270 | Abraham & Straus, for dry goods, etc., $152.73; for Christmas trees and decorations, $374.42 | 527 15 |
| B-1275 | Eureka Fire Hose Mfg. Co., for linen hose | 78 75 |
| B-1276 | William S. Van Clief, for lumber and sawdust | 88 80 |
| B-1277 | John Spruck, Jr., for professional services | 52 50 |
| B-1278 | Simpson, Crawford Corporation, for wearing apparel | 45 33 |
| B-1279 | George Gratz, Jr., for iron beams, etc | 72 08 |
| B-1288 | Robins Conveying Belt Co., for motor belting and supplies | 351 86 |
| B-1292 | Reading Hardware Co., for door keys | 2 65 |
| B-1295 | S. J. Rosenthal, for 40 window shades | 51 60 |
| B-1297 | George Damon & Sons, for printing supplies | 321 00 |
| B-1299 | Interborough Auto Repair and Supply Co., for repairs to pump | 10 00 |
| B-1301 | A. C. Laurence, for belting | 190 68 |
| B-1307 | McLeod & Henry Co, for boiler door arches | 117 00 |
| B-1309 | The Vacuna Co., for suction Hose | 5 50 |
| B-1311 | Peter Woll & Sons Mfg. Co., for 50 bales picked fibre | 265 00 |
| B-1317 | Robert Weiden, for chair cane | 12 39 |
| B-1333 | Dr. J. Schnurmacher, for services as Veterinary and supplies | 39 50 |
| B-1336 | Karl Vestordahl & Co, for steel plates for valves of refrigerating machine | 4 50 |
| B-1354 | J. L. Mott Iron Works, for supplies | 98 72 |

That at the time the orders for said supplies and services were issued by the Commissioner of the Department of Public Charities, no previous appropriation therefor had been made by the Board of Estimate and Apportionment, and the amounts of said several orders were in excess of the unexpended balances of the sums appropriated for such purposes for the year 1914; that said claims are therefore illegal and invalid as against the City; that notwithstanding such illegality and invalidity, it is, in my judgment equitable and proper for the City to pay the money value of the benefit which it has derived by reason of the furnishing of said supplies and the rendition of said services; that the value of such benefit is the sums set opposite the names of the respective claimants as follows:

| | |
|---|---|
| John L. Halloran | $158 25 |
| F. S. Banks & Co | 775 48 |
| Henry Maurer & Son | 24 32 |
| James M. Shaw & Co | 118 60 |
| James F. Kelly | 9 66 |
| Bass & Bass | 35 44 |
| The Mason Mfg. Co | 63 02 |
| Godfrey Keeler Co | 260 27 |
| Crane Co. | 12 65 |
| John E. Smith's Sons Co | 1 50 |
| Ansonia Garage | 288 90 |
| Peter Henderson & Co | 56 10 |
| James S. Barron & Co | 22 09 |
| Reedy Elevator Co. | 17 55 |
| Conservation Commission | 22 00 |
| Metropolitan Tobacco Co | 82 93 |
| T. J. Moloney | 12 50 |
| A. B. Dick Co | 34 61 |
| Frank Richard & Gardner Co | 35 48 |
| John Lally | 26 16 |
| D. B. Pershall & Son | 428 29 |
| Daniel Pollard | 344 75 |
| Frymier & Hanna Co. | 35 00 |
| Hanlon & Goodman Co. | 159 56 |
| Standard Supply Co. | 370 00 |
| National Lead Co. | 88 50 |
| Abraham & Strauss | 505 01 |
| Eureka Fire Hose Mfg. Co. | 78 75 |
| William S. Van Clief | 77 80 |
| John Spruck, Jr. | 52 50 |
| Simpson-Crawford Corporation | 35 35 |
| George Gratz, Jr. | 61 48 |
| Robins Conveying Belt Co. | 351 86 |
| Reading Hardware Co. | 2 65 |
| Interborough Auto Repair Supply Co. | 10 00 |
| George Damon & Sons | 321 00 |
| S. J. Rosenthal | 51 60 |
| A. C. Laurence | 190 68 |
| McLeod & Henry Co. | 117 00 |
| The Vacuna Co. | 2 84 |
| Peter Woll & Sons Mfg. Co. | 201 40 |
| Robert Weiden | 12 39 |
| Dr. J. Schnurmacher | 39 50 |
| Karl Vesterdahl & Co. | 4 50 |
| J. L. Mott Iron Works | 98 72 |

—that said several sums should be paid to the respective claimants in full satisfaction of the claims presented, upon the execution of full releases in favor of the city in such form as shall be approved by the Corporation Counsel. Respectfully,

ALEX. BROUGH, Deputy and Acting Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 246 of the Greater New York Charter, being chapter 601 of the Laws of 1907, as amended, hereby determines that the City has received a benefit and is justly and equitably obligated to pay to the following named claimants the sum set opposite their names, respectively, without interest for goods furnished and supplied for services rendered to the Department of Public Charities during the year 1914:

| | |
|---|---|
| John L. Halloran | $158 25 |
| F. S. Banks & Co | 775 48 |
| Henry Maurer & Son | 24 32 |
| James M. Shaw & Co | 118 60 |

| | |
|---|---|
| James F. Kelly | 9 66 |
| Bass & Bass | 35 44 |
| The Mason Mfg. Co. | 63 02 |
| Godfrey, Keeler Co. | 260 27 |
| Crane Co. | 12 65 |
| John E. Smith's Sons Co. | 1 50 |
| Ansonia Garage | 288 90 |
| Peter Henderson & Co. | 56 10 |
| James S. Barron & Co. | 22 09 |
| Reedy Elevator Co. | 17 55 |
| Conservation Commission | 22 00 |
| Metropolitan Tobacco Co. | 82 93 |
| T. J. Moloney | 12 50 |
| A. B. Dick Co. | 34 61 |
| Frank Richard & Gardner Co. | 35 48 |
| John Lally | 26 16 |
| D. B. Pershall & Son | 428 29 |
| Daniel Pollard | 344 75 |
| Frymier & Nanna Co. | 35 00 |
| Hanlon & Goodman Co. | 159 56 |
| Standard Supply Company | 370 00 |
| National Lead Company | 88 50 |
| Abraham & Straus | 505 01 |
| Eureka Fire Hose Mfg. Co. | 78 75 |
| William S. Van Clief | 77 80 |
| John Spruck, Jr. | 52 50 |
| Simpson Crawford Corporation | 35 35 |
| George Gratz, Jr. | 61 48 |
| Robins Conveying Belt Co. | 351 86 |
| Reading Hardware Co. | 2 65 |
| Interborough Auto Repair and Supply Co. | 10 00 |
| George Damon & Sons | 321 00 |
| S. J. Rosenthal | 51 60 |
| A. C. Lawrence | 190 68 |
| McLeod & Henry Co. | 117 00 |
| The Vacuna Co | 2 84 |
| Peter Woll & Sons Mfg. Co. | 201 40 |
| Robert Weiden | 12 39 |
| Dr. J. Schnurmacher | 39 50 |
| Karl Vesterdahl & Co. | 4 50 |
| J. L. Mott Iron Works | 98 72 |

—that said sums shall be paid in full satisfaction of the claims which have been presented by said claimants; that the interests of the City will be best subserved by the adjustment of said claims in said sums; that payment thereof shall only be made upon the execution by said claimants of full releases in favor of the City in such form as shall be approved by the Corporation Counsel, and the Comptroller is hereby authorized to pay said sums from the account "Revenue Bond Fund for Claims, Miscellaneous, R. C. L.—11."

Which was adopted by the following vote:

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

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**Department of Health—Authority to Destroy Certain Records and Papers (Cal. No. 54).**

(On July 21, 1915 (Cal. No. 45), the request of the Board of Health and certificate of the Corporation Counsel in this matter were referred to the Comptroller.)

The Secretary presented a communication dated July 15, 1915, from the Secretary to the Board of Health, requesting permission, pursuant to section 1545A of the Charter, to destroy certain records and papers under the jurisdiction of the Department of Health, and transmitting certificate of the Corporation Counsel relative to the destruction thereof; and the following report of the Comptroller, recommending that said request be granted:

Department of Finance, City of New York, Bureau of Municipal Investigation and Statistics, September 2, 1915.

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

Gentlemen—In a communication dated July 15, 1915, the Secretary of the Department of Health requested that permission be granted the Board of Health, pursuant to the provisions of section 1545*a* of the Greater New York Charter, to destroy certain old records and papers under the jurisdiction of the Department of Health, either deemed useless through obsolescence or representing duplicates of other records that are to be retained. In respect to this request an examination has been made of the records which it is desired to destroy. It is found that these records are listed and described as follows:

*Infectious Disease Records.*

Typhoid widal, 1910; typhoid blood tests (Manhattan), 1913; typhoid urine tests (Manhattan), 1910; typhoid miscellaneous records, 1911-14, inclusive; typhoid reports (Bronx and Queens), 1912; typhoid reports (Bronx and Queens), 1913; typhoid immunization (Manhattan, Bronx, Brooklyn, Richmond), 1913; office correspondence, 1912-13, inclusive; typhoid histories (Manhattan), 1910; typhoid milk tabulations, 1914; typhoid widal tests (lists), 1914; typhoid tabulation sheets, City, 1911 and 1912, inclusive; typhoid tabulation of milk, City, 1911; typhoid milk charts, City, 1911-13, inclusive; typhoid ward charts, City, 1911-13, inclusive; typhoid charts, chemical analysis; typhoid weekly reports, 1912; typhoid special tabulations, 1912; typhoid postal reports of cases (Manhattan), 1912; typhoid ward sheets, City, 1913 and 1914; typhoid reports of corrected cases, City, 1913; typhoid widal tests (Richmond), 1910; typhoid reports, giving average cases for five years for the City from 1910-13, inclusive; typhoid reports for Brooklyn, 1913.

Tuberculosis sputum examination slips (Manhattan, Bronx and Brooklyn), 1911; tuberculosis dead case histories (Manhattan), 1913; tuberculosis sputum reports (Queens), 1911; tuberculosis sputum reports (Richmond), 1910; tuberculosis clinic reports, City, 1910-13, inclusive; tuberculosis dead case histories (Bronx), 1911 and 1912; tuberculosis dead histories, Hospital Admission Bureau (Manhattan and Brooklyn), 1912; tuberculosis main clinic (Brooklyn), 1911 and 1912; contagious disease reports (Manhattan and Brooklyn), 1910; contagious disease reports, house file (Manhattan), 1913; contagious disease hospital cases, 1912; infectious diseases, terminated cases (Manhattan), 1909; dog cases (Manhattan), 1911; dog case letters (Manhattan); diphtheria culture reports (Manhattan), 1912; gonorrhœa reports (Manhattan), 1912; diazo widal malaria tests (Queens), 1911; C. S. M. reports (Queens), 1911; glanders reports (Manhattan), 1911; reports of C. S. M., poliomyelitis pneumonia (Bronx and Queens), 1912; C. S. M., poliomyelitis reports (Manhattan), 1913; reports of gonorrhœa and Wasserman tests, 1913; reports of institution cases (Manhattan), 1912; reports of rabies (Manhattan), 1912.

Special reports (Manhattan), 1912; reports of persons bitten by animals, 1911; reports of C. S. M., poliomyelitis, malaria, abortion and septicæmia (Manhattan), 1912; reports of C. S. M., poliomyelitis, City (corrected), 1913; reports by postal, C. S. M., poliomyelitis, pneumonia and erysipelas for Brooklyn, 1913; clean-up cards for 1914; daily and weekly reports of medical inspectors (Manhattan), 1911 and 1912; daily telephone blotter reports (Manhattan), 1912; reports of fumigations for Brooklyn, 1912; reports of fumigations for Manhattan, 1913; daily and weekly reports of nurses (Manhattan and Brooklyn), 1909-13, inclusive; printed daily lists of diseases reported for Manhattan, 1910-12, inclusive; daily office reports, special happening, 1911; daily and weekly reports of medical inspectors (Manhattan), 1909 and 1910; daily reports of Manhattan disinfectors, 1910; daily reports of fumigations (Richmond), 1913; daily reports of drivers (Manhattan), 1910; reports of milk creameries in the City, 1913; weekly reports of Manhattan water analyses, 1914; stable census, 1908.

*Food Records.*

15,000 milk store score cards; 198,000 inspectors' daily report cards, 1908-13, inclusive 40,000 clean-up cards, 1914.

*Sanitary—Office Records.*

Records of public nuisances and vacations, March 23, 1893, to December 30, 1911; reports forwarded to Board of Health, July 3, 1907, to February 25, 1913; records of complaints forwarded from September 1, 1905, to October 28, 1913; records of requisitions forwarded from December 3, 1907, to March 1, 1912; journal of the Sanitary Superintendent, from August 15, 1907, to February 24, 1912; journal of the Assistant Sanitary Superintendent, Manhattan, from December 2, 1911, to November 9, 1913; copies of resolutions from the Board of Health from May 2, 1907, to July 15, 1907; letter copy book from May 27, 1901, to May 29, 1907; office records of papers received from February 5, 1903, to May 24, 1907; special complaint book, February 17, 1911, to March 2, 1911; journal, Manhattan, from January 3, 1911, to December 30, 1913; work performed in the Sanitary Bureau from July 1, 1906, to December 31, 1908; monthly medical reports of institutions from September 26, 1904, to July 1, 1913; orders and notices forwarded from Board, January 2, 1908, to December 31, 1913; 470 lodging house books and 19 bundles of lodging house reports prior to December 31, 1913; all sanitary patrolmen's daily reports prior to December 31, 1913; all daily reports of field workers for the Sanitary Bureau prior to December 31, 1913; all complaints, reports, notices and orders issued prior to January 1, 1910.

CHILD HYGIENE.

*Manhattan.*

| | Approximately. |
|---|---|
| Physical defect stubs, January, 1912, to December, 1913 | 100,000 |
| Nurses' daily report cards, January, 1912, to December, 1913 | 45,000 |
| Inspectors' daily report cards, January, 1912, to December, 1913 | 20,000 |
| Tabulation sheets relating to inspectors' and nurses' work, January, 1913, to December, 1913 | 1,500 |
| Supervisors' reports to Borough Chief, year 1913 | 12,000 |
| Daily report re "employees off duty," year 1911 | 300 |
| Little Mothers' League essays | 100 |
| Class index cards—Minor contagion in school, September 13, 1913, to January, 1914 | 3,500 |
| Physical record cards, January, 1907, to December, 1909 | 18,000 |
| Vaccination consent cards, January, 1913, to December, 1913 | 25,000 |
| Class room sheets relating to school vaccination, January, 1913, to December, 1913 | 2,000 |
| *The Bronx.* | |
| Daily report cards, medical inspectors and nurses, 1911-12-13 | 50,000 |
| Physical examination stubs, terminated cases, 1910-11-12-13 | 300,000 |
| Tabulation sheets, inspectors' and nurses' work, 1911-12-13 | 200 |
| Class index cards, minor contagion in school, 1910-11-12-13 | 80,000 |
| Contagion in schools, 105K, 1911-12-13 | 8,000 |
| Time sheets, medical inspectors and nurses, 1910-11 | 1,700 |
| *Brooklyn.* | |
| Physical defect stubs, 1911-12-13 | 50,000 |
| Nurses' daily report card, 1911-12-13 | 60,000 |
| Medical inspectors' daily report card, 1911-12-13 | 50,000 |
| Infants' history card, summer class, 1911-12-13 | 10,000 |
| Class index cards, minor contagion in school, 1911-12-13 | 30,000 |
| Medical inspectors' reports, summer class, 1912-13 | 4,000 |
| Supervising inspectors' and nurses' reports to Borough Chief, 1911-12-13 | 5,000 |
| Correspondence prior to year 1913 | 2,000 |
| Tabulation sheets, physical defect cases terminated, 1911-12-13 | 1,200 |
| Tabulation sheets, nurses' reports, 1911-12-13 | 1,500 |
| Tabulation sheets, inspectors' reports, 1911-12-13 | 600 |
| Tabulation sheets, contagion in schools, 1911-12-13 | 2,000 |
| *Queens.* | |
| Nurses' daily report, previous to January 1, 1914 | 6,000 |
| Contagious cards, 105K, previous to January 1, 1914 | 3,000 |
| Inspectors' daily reports, previous to January 1, 1914 | 4,000 |
| Physical defect, stubs, previous to January 1, 1914 | 1,000 |
| Tabulation sheets, inspectors' daily report cards, previous to January 1, 1914 | 50 |
| Tabulation sheets, nurses' daily report cards, previous to January 1, 1914 | 130 |
| Tabulation sheets, physical defects terminated previous to January 1, 1914 | 40 |
| Class index cards, minor contagion in schools, previous to January 1, 1914 | 1,800 |
| *Richmond.* | |
| Inspectors' daily report, year 1913 | 800 |
| Nurses' daily report, year 1913 | 1,800 |
| Contagion in schools, 105K, 1912-13 | 700 |
| Inspectors' daily report cards, 95K, 1912-1913 | 15,000 |
| Nurses' daily report cards, 95K, 1912-1913 | 52,000 |
| Tabulation sheets, 131-132K, 1912-1913 | 2,700 |
| Placards announcing lectures | 200 |
| Relief cards, 114K, 1913 | 5,200 |
| Nurses' assistants' daily reports, 130K, 1912-1913 | 42,000 |
| Correspondence for 1913 | 460 |
| History charts on file at milk stations, 97K, 1911-1912 | 30,000 |
| Daily complaint card, 180K, 1912-1913 | 34,000 |
| Time sheets of supervising nurses, 1911-1913; letters from department nurses, 1911-1913; weekly reports of the nurses' work, 1909-1913; letters from outside agencies, 1909-1913. | |
| 3 by 5 index cards—Appointments and operations, 1913 | 1,000 |
| 3 by 5 index cards—Vaccinations, 1913 | 500 |
| 8K, Refraction eye status cards, 1913 | 2,200 |
| 7K, Nose and throat status cards, 1913 | 2,000 |
| 167K, Contagious eye disease status cards, 1913 | 2,650 |
| 162K, Dental clinic status cards, 1913 | 2,650 |
| 148K, Nurses' daily report cards, 1913 | 14,500 |
| 188K, Dentists' daily report cards, 1913 | 3,000 |
| 149K, Eye surgeons' daily report cards, 1913 | 3,500 |
| 144K, Nose and throat surgeons' daily report cards, 1913 | 3,700 |
| 103K, Records of physical examination in institutions, 1913 | 20,000 |
| 190K, Daily reports of inspectors of institutions, 1913 | 2,000 |

GENERAL ADMINISTRATION.

*The Bronx.*

Citizens' complaints, Jan. 1, 1898, to Dec. 31, 1904; Board orders, Jan. 1, 1898, to Dec. 31, 1904; negative reports, Jan. 1, 1898, to Dec. 31 1904; references, Jan. 1, 1898, to Dec. 31, 1904; citizens' complaint books, Jan. 1, 1898, to Dec. 31, 1904; first entry order books, Jan. 1, 1898, to Dec. 31, 1904; second entry order books, Jan. 1, 1898, to Dec. 31, 1904; Inspectors' receipt books, Jan. 1, 1898, to Dec. 31, 1904; miscellaneous carbon copies of correspondence, Jan. 1, 1898, to Dec. 31, 1904.

*Brooklyn.*

Complaints and reports, 1904, 10,600; complaints and reports, 1905, 12,000; complaints and reports, 1906, 17,000; complaints and reports, 1907, 18,500; complaints and reports, 1908, 25,000; complaints and reports, 1909, 37,800; complaints and reports, 1910, 53,000; index cards compiled with orders, 1906, 1,000; index cards compiled with orders, 1908, 7,000; index cards compiled with orders, 1909, 5,000; index cards compiled with orders, 1910, 18,000; index cards compiled with orders, 1911, 26,000; milk permits denied, 1907, 150; milk permits denied, 1912, 3,000; milk permits granted, 1912, 10,000; milk permits revoked, 1912, 20,000; weekly reports, sanitary inspection, 1907, 2,000; weekly reports, sanitary inspection, 1910, 20,000; weekly reports, sanitary inspection, 1911, 20,000; weekly reports, sanitary inspection, 1912, 2,000; weekly reports, sanitary inspection, 1913, 200; daily reports, sanitary inspection, 1907, 3,000; daily reports, sanitary inspection, 1910, 20,000; daily reports, sanitary inspection, 1911, 23,000; Sanitary Division journal 1898, 1 book; Sanitary Division journal, 1910, 1 book; complaint index cards, 1912, 10,000; record of water samples, 1912, 8 books; Inspectors' receipt books, 1912, 5 books; Inspectors' receipt books 1913, 1 book; ship permit books, 1913, 500; miscellaneous permit index cards from 1902 to 1911, inclusive, 15,000; yearly report books, 1907, 416 books; yearly report, Vol. 1, 1908, 195 books; yearly report, Vol. 2, 1908, 173 books; lodging house books, 1907, 1 book; lodging house books, 1908, 8 books; lodging house books, 1909, 60 books; lodging house books, 1910, 70 books; lodging house books, 1911, 52 books; lodging house books, 1912, 60 books; lodging house books, 1913, 37 books; lodging house books, 1914, 31 books; milk applications, 1907, 238; milk applications, 1908, 2,500; milk applications, 1909, 2,500; milk applications, 1910, 3,000; milk applications, 1911, 300.

*Richmond.*

Terminated cases contagious diseases, 1906; correspondence relating to complaints, 1899-1902; index cards, 1905 to 1906; weekly reports of Sanitary Inspectors for same years; tabulation filing and exclusion cards; sanitary and contagious disease reports, 1904-5; Inspectors' sanitary and contagious reports (weekly); medical school reports for 1899, 1900, 1901, 1902, 1903, 1904; Disinfectors' reports for 1905; Drivers' reports for 1905; goods removal, 1905; school reports, Sept., 1906, to July, 1907, schools 21

to 34; baby record cards for 1907; daily culture lists for 1907; application to maintain cow stables; Inspectors' complaints and reports for 1906; Food Inspectors' reports for 1905; application index cards, 1908; index cards of various kinds, 1906; school exclusion reports, 1906; scavenger and vessel permits, same year; Inspectors' complaints and reports, 1899; Inspectors' complaints and reports, 1900; Inspectors' weekly reports, 1898, 1899, 1900; application for employment certificates, 1900; reports of Disinfectors, 1900; Inspectors' reports for 1901, 1902, 1908; terminated cases contagious diseases, 1904-5; Medical Inspectors' reports, 1900 and 1903; terminated cases of contagious diseases, 1905; Inspectors' reports and complaints, 1903; Diagnosticians' reports, 1900; sanitary orders, 1902; daily school reports, 1905-6; weekly reports of Inspectors, 1906; contagious disease reports, 1904; Disinfectors' reports, 1898 to 1901; sanitary weekly reports, 1898 to 1900; Shore Inspectors' reports, 1899 to 1900; Medical School Inspectors' reports, 1899.

Assistant Chemists' reports, 1900 to 1901; applications store permits, 1899; index cards to sanitary complaints, 1903; contagious disease reports, 1903; applications, 1899, 1901-2; Medical Inspectors' daily reports, 1899 to 1900; complaints and reports, 1898, 1899, 1900; store applications, 1898; applications for cow permits, 1901 and 1902; orders, 1912; applications for permits, 1911, 1913; orders, 1903 to 1907; other weekly reports of Inspectors, 1905; complaints and reports, 1900; medical and sanitary reports for 1900; complaints and reports for 1913.

*Queens.*

Letters received, December 31, 1900, to December 31, 1911; copies of letters sent, December 31, 1906, to December 31, 1911; communications to and from Secretary, Chief Clerk and other officials, December 31, 1906, to December 31, 1911; duplicate requisitions, December 31, 1906, to December 31, 1911; advices from Chief Clerk, December 31, 1906, to December 31, 1911; quadruplicates of bills for supplies, etc., December 31, 1906, to December 31, 1911; indices, cards of correspondence, bills, etc., December 31, 1906, to December 31, 1911; diaries, December 31, 1906, to December 31, 1911; requisitions for stationery, etc., December 31, 1906, to December 31, 1911; requisitions for postage stamps by bureaus and divisions, December 31, 1906, to December 31, 1911; bills for laboratory products consigned to Assistant Chief Clerk, December 31, 1906, to December 31, 1911; book containing receipts of physicians and others for antitoxin, virus, etc., for free use, December 31, 1906, to December 31, 1911; complaints and reports, December 31, 1906, to December 31, 1911; compiled with notices, December 31, 1906, to December 31, 1911.

An examination of the records referred to has been made by an Examiner of this Department at the offices of the Department of Health in the Boroughs of Manhattan, The Bronx, Brooklyn, Queens and Richmond, from which it appears that these records and papers should be destroyed and that their destruction will not affect the interests of the City.

Attached to this report are certificates of the Board of Health and the Corporation Counsel, as required by section 1545A of the Greater New York Charter, and a true copy of a resolution adopted by the Board of Health at a meeting held on June 30, 1915, authorizing the Secretary of said Board to make to the Board of Estimate and Apportionment the certification required by the before mentioned section of the Greater New York Charter.

In accordance with the suggestions made in the opinion of the Corporation Counsel under date of June 23, 1915, it is recommended that these records and papers be destroyed, under the personal supervision of the Chief Clerk of the Department of Health, and afterwards sold as old paper and not as records.

The adoption of the attached resolution, authorizing the destruction of the records and papers referred to in the manner herein prescribed, is hereby recommended.

Respectfully, WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 1545A of the Greater New York Charter, as amended, hereby authorizes and directs the Board of Health to destroy the following described records now on file in the Health Department in the following manner: That all reports, books, records and papers be cut up and destroyed under the personal supervision of the Chief Clerk of the Health Department, and that thereafter an affidavit be filed with this board setting forth the time and place of the destruction of said records, which are listed and described as follows:

*Infectious Disease Records.*

Typhoid widal, 1910; typhoid blood tests (Manhattan), 1913; typhoid urine tests (Manhattan), 1910; typhoid miscellaneous records, 1911-14, inclusive; typhoid reports (Bronx and Queens), 1912; typhoid reports (Bronx and Queens), 1913; typhoid immunization (Manhattan, Bronx, Brooklyn, Richmond), 1913; office correspondence, 1912-13, inclusive; typhoid histories (Manhattan), 1910; typhoid milk tabulations, 1914; typhoid widal tests (lists), 1914; typhoid tabulation sheets, City, 1911 and 1912, inclusive; typhoid tabulation of milk, City, 1911; typhoid milk charts, City, 1911-13, inclusive; typhoid ward charts, City, 1911-13, inclusive; typhoid charts, chemical analysis; typhoid weekly reports, 1912; typhoid special tabulations, 1912; typhoid postal reports of cases (Manhattan), 1912; typhoid ward sheets, City, 1913 and 1914; typhoid reports of corrected cases, City, 1913; typhoid widal tests (Richmond), 1910; typhoid reports, giving average cases for five years for the City from 1910-13, inclusive; typhoid reports for Brooklyn, 1913.

Tuberculosis sputum examination slips (Manhattan, Bronx and Brooklyn), 1911; tuberculosis dead case histories (Manhattan), 1913; tuberculosis sputum reports (Queens), 1911; tuberculosis sputum reports (Richmond), 1910; tuberculosis clinic reports, City, 1910-13, inclusive; tuberculosis dead case histories (Bronx), 1911 and 1912; tuberculosis dead histories, Hospital Admission Bureau (Manhattan and Brooklyn), 1912; tuberculosis main clinic (Brooklyn), 1911 and 1912; contagious disease reports (Manhattan and Brooklyn), 1910; contagious disease reports, house file (Manhattan), 1913; contagious disease hospital cases, 1912; infectious diseases, terminated cases (Manhattan), 1909; dog cases (Manhattan), 1911; dog case letters (Manhattan); diphtheria culture reports (Manhattan), 1912; gonorrhœa reports (Manhattan), 1912; diazo widal malaria tests (Queens), 1911; C. S. M. reports (Queens), 1911; glanders reports (Manhattan), 1911; reports of C. S. M., poliomyelitis pneumonia (Bronx and Queens), 1912; C. S. M., poliomyelitis reports (Manhattan), 1913; reports of gonorrhœa and Wasserman tests, 1913; reports of institution cases (Manhattan), 1912; reports of rabies (Manhattan), 1912.

Special reports (Manhattan), 1912; reports of persons bitten by animals, 1911; reports of C. S. M., poliomyelitis, malaria, abortion and septicæmia (Manhattan), 1912; reports of C. S. M., poliomyelitis, City (corrected), 1913; reports by postal, C. S. M., poliomyelitis, pneumonia and erysipelas for Brooklyn, 1913; clean-up cards for 1914; daily and weekly reports of medical inspectors (Manhattan), 1911 and 1912; daily telephone blotter reports (Manhattan), 1912; reports of fumigations for Brooklyn, 1912; reports of fumigations for Manhattan, 1913; daily and weekly reports of nurses (Manhattan and Brooklyn), 1909-13, inclusive; printed daily lists of diseases reported for Manhattan, 1910-12, inclusive; daily office reports, special happening, 1911; daily and weekly reports of medical inspectors (Manhattan), 1909 and 1910; daily reports of Manhattan disinfectors, 1910; daily reports of fumigations (Richmond), 1913; daily reports of drivers (Manhattan), 1910; reports of milk creameries in the City, 1913; weekly reports of Manhattan water analyses, 1914; stable census, 1908.

*Food Records.*

15,000 milk store score cards; 198,000 inspectors' daily report cards, 1908-13, inclusive; 40,000 clean-up cards, 1914.

*Sanitary—Office Records.*

Records of public nuisances and vacations, March 23, 1893, to December 30, 1911; reports forwarded to Board of Health, July 3, 1907, to February 25, 1913; records of complaints forwarded from September 1, 1905, to October 28, 1913; records of requisitions forwarded from December 3, 1907, to March 1, 1912; journal of the Sanitary Superintendent, from August 15, 1907, to February 24, 1912; journal of the Assistant Sanitary Superintendent, Manhattan, from December 2, 1911, to November 9, 1913; copies of resolution from the Board of Health from May 2, 1907, to July 15, 1907; letter copy book from May 27, 1901, to May 29, 1907; office records of papers received from February 5, 1903, to May 24, 1907; special complaint book, February 17, 1911, to March 2, 1911; journal, Manhattan, from January 3, 1911, to December 30, 1913; work performed in the Sanitary Bureau from July 1, 1906, to December 31, 1908; monthly medical reports of institutions from September 26, 1904, to July 1, 1913; orders and notices forwarded from Board, January 2, 1908, to December 31, 1913; 470 lodging house books and 19 bundles of lodging house reports prior to December 31, 1913; all sanitary patrolmen's daily reports prior to December 31, 1913; all daily reports of field workers for the Sanitary Bureau prior to December 31, 1913; all complaints, reports, notices and orders issued prior to January 1, 1910.

CHILD HYGIENE.

*Manhattan.*

| | Approximately. |
|---|---|
| Physical defect stubs, January, 1912, to December, 1913 | 100,000 |
| Nurses' daily report cards, January, 1912, to December, 1913 | 45,000 |
| Inspectors' daily report cards, January, 1912, to December, 1913 | 20,000 |
| Tabulation sheets relating to inspectors' and nurses' work, January, 1913, to December, 1913 | 1,500 |
| Supervisors' reports to Borough Chief, year 1913 | 12,000 |
| Daily report re "employees off duty," year 1911 | 300 |
| Little Mothers' League essays | 100 |
| Class index cards—Minor contagion in school, September 13, 1913, to January, 1914 | 3,500 |
| Physical record cards, January, 1907, to December, 1909 | 18,000 |
| Vaccination consent cards, January, 1913, to December, 1913 | 25,000 |
| Class room sheets relating to school vaccination, January, 1913, to December, 1913 | 2,000 |
| *The Bronx.* | |
| Daily report cards, medical inspectors and nurses, 1911-12-13 | 50,000 |
| Physical examination stubs, terminated cases, 1910-11-12-13 | 300,000 |
| Tabulation sheets, inspectors' and nurses' work, 1911-12-13 | 200 |
| Class index cards, minor contagion in school, 1910-11-12-13 | 80,000 |
| Contagion in schools, 105K, 1911-12-13 | 8,000 |
| Time sheets, medical inspectors and nurses, 1910-11 | 1,700 |
| *Brooklyn.* | |
| Physical defect stubs, 1911-12-13 | 50,000 |
| Nurses' daily report card, 1911-12-13 | 60,000 |
| Medical inspectors' daily report card, 1911-12-13 | 50,000 |
| Infants' history card, summer class, 1911-12-13 | 10,000 |
| Class index cards, minor contagion in school, 1911-12-13 | 30,000 |
| Medical inspectors' reports, summer class, 1912-13 | 4,000 |
| Supervising inspectors' and nurses' reports to Borough Chief, 1911-12-13 | 5,000 |
| Correspondence prior to year 1913 | 2,000 |
| Tabulation sheets, physical defect cases terminated, 1911-12-13 | 1,200 |
| Tabulation sheets, nurses' reports, 1911-12-13 | 1,500 |
| Tabulation sheets, inspectors' reports, 1911-12-13 | 600 |
| Tabulation sheets, contagion in schools, 1911-12-13 | 2,000 |
| *Queens.* | |
| Nurses' daily report, previous to January 1, 1914 | 6,000 |
| Contagious cards, 105K, previous to January 1, 1914 | 3,000 |
| Inspectors' daily reports, previous to January 1, 1914 | 4,000 |
| Physical defect, stubs, previous to January 1, 1914 | 1,000 |
| Tabulation sheets, inspectors' daily report cards, previous to January 1, 1914 | 50 |
| Tabulation sheets, nurses daily report cards, previous to January 1, 1914 | 130 |
| Tabulation sheets, physical defects terminated previous to January 1, 1914 | 40 |
| Class index cards, minor contagion in schools, previous to January 1, 1914 | 1,800 |
| *Richmond.* | |
| Inspectors' daily report, year 1913 | 800 |
| Nurses' daily report, year 1913 | 1,800 |
| Contagion in schools, 105K, 1912-13 | 700 |
| Inspectors' daily report cards, 95K, 1912-1913 | 15,000 |
| Nurses' daily report cards, 95K, 1912-1913 | 52,000 |
| Tabulation sheets, 131-132K, 1912-1913 | 2,700 |
| Placards announcing lectures | 200 |
| Relief cards, 114K, 1913 | 5,200 |
| Nurses' assistants' daily reports, 130K, 1912-1913 | 42,000 |
| Correspondence for 1913 | 400 |
| History charts on file at milk stations, 97K, 1911-1912 | 30,000 |
| Daily complaint card, 180K, 1912-1913 | 34,000 |
| Time sheets of supervising nurses, 1911-1913; letters from department nurses, 1911-1913; weekly reports of the nurses' work, 1909-1913; letters from outside agencies, 1909-1913. | |
| 3 by 5 index cards—Appointments and operations, 1913 | 1,000 |
| 3 by 5 index cards—Vaccinations, 1913 | 500 |
| 8K, Refraction eye status cards, 1913 | 2,200 |
| 7K, Nose and throat status cards, 1913 | 2,000 |
| 167K, Contagious eye disease status cards, 1913 | 2,650 |
| 162K, Dental clinic status cards, 1913 | 2,650 |
| 148K, Nurses' daily report cards, 1913 | 14,500 |
| 188K, Dentists' daily report cards, 1913 | 3,000 |
| 149K, Eye surgeons' daily report cards, 1913 | 3,500 |
| 144K, Nose and throat surgeons' daily report cards, 1913 | 3,700 |
| 103K, Records of physical examination in institutions, 1913 | 20,000 |
| 190K, Daily reports of inspectors of institutions, 1913 | 2,000 |

GENERAL ADMINISTRATION.

*The Bronx.*

Citizens' complaints, Jan. 1, 1898, to Dec. 31, 1904; Board orders, Jan. 1, 1898, to Dec. 31, 1904; negative reports, Jan. 1, 1898, to Dec. 31, 1904; references, Jan. 1, 1898, to Dec. 31, 1904; citizens' complaint books, Jan. 1, 1898, to Dec. 31, 1904; first entry order books, Jan. 1, 1898, to Dec. 31, 1904; second entry order books, Jan. 1, 1898, to Dec. 31, 1904; Inspectors' receipt books, Jan. 1, 1898, to Dec. 31, 1904; miscellaneous carbon copies of correspondence, Jan. 1, 1898, to Dec. 31, 1904.

*Brooklyn.*

Complaints and reports, 1904, 10,000; complaints and reports, 1905, 12,000; complaints and reports, 1906, 17,000; complaints and reports, 1907, 18,500; complaints and reports, 1908, 25,000; complaints and reports, 1909, 37,800; complaints and reports, 1910, 53,000; index cards compiled with orders, 1906, 1,000; index cards compiled with orders, 1908, 7,000; index cards compiled with orders, 1909, 5,000; index cards compiled with orders, 1910, 18,000; index cards compiled with orders, 1911, 26,000; milk permits denied, 1907, 150; milk permits denied, 1912, 3,000; milk permits granted, 1912, 10,000; milk permits revoked, 1912, 20,000; weekly reports, sanitary inspection, 1907, 2,000; weekly reports, sanitary inspection, 1910, 20,000; weekly reports, sanitary inspection, 1911, 20,000; weekly reports, sanitary inspection, 1912, 2,000; weekly reports, sanitary inspection, 1913, 200; daily reports, sanitary inspection, 1907, 3,000; daily reports, sanitary inspection, 1910, 20,000; daily reports, sanitary inspection, 1911, 23,000; Sanitary Division journal, 1898, 1 book; Sanitary Division journal, 1910, 1 book; complaint index cards, 1912, 10,000; record of water samples, 1912, 8 books; Inspectors' receipt books, 1912, 5 books; Inspectors' receipt books, 1913, 1 book; ship permit books, 1913, 500; miscellaneous permit index cards from 1902 to 1911, inclusive, 15,000; yearly report books, 1907, 416 books; yearly report, Vol. 1, 1908, 195 books; yearly report, Vol. 2, 1908, 173 books; lodging house books, 1907, 1 book; lodging house books, 1908, 8 books; lodging house books, 1909, 60 books; lodging house books, 1910, 70 books; lodging house books, 1911, 52 books; lodging house books, 1912, 60 books; lodging house books, 1913, 37 books; lodging house books, 1914, 31 books; milk applications, 1907, 238; milk applications, 1908, 2,500; milk applications, 1909, 2,500; milk applications, 1910, 3,000; milk applications, 1911, 300.

*Richmond.*

Terminated cases contagious diseases, 1906; correspondence relating to complaints, 1899-1902; index cards, 1905 to 1906; weekly reports of Sanitary Inspectors for same years; tabulation filing and exclusion cards; sanitary and contagious disease reports, 1904-5; Inspectors' sanitary and contagious reports (weekly); medical school reports for 1899, 1900, 1901, 1902, 1903, 1904; Disinfectors' reports for 1905; Drivers' reports for 1905; goods removal, 1905; school reports, Sept., 1906, to July, 1907, schools 21 to 34; baby record cards for 1907; daily culture lists for 1907; application to maintain cow stables; Inspectors' complaints and reports for 1906; Food Inspectors' reports for 1905; application index cards, 1908; index cards of various kinds, 1906; school exclusion reports, 1906; scavenger and vessel permits, same year; Inspectors' complaints and reports, 1899; Inspectors' complaints and reports, 1900; Inspectors' weekly reports, 1898, 1899, 1900; application for employment certificates, 1900; reports of Disinfectors, 1900; Inspectors' reports for 1901, 1902, 1908; terminated cases contagious diseases, 1904-5; Medical Inspectors' reports, 1900 and 1903; terminated cases of contagious diseases, 1905; Inspectors' reports and complaints, 1903; Diagnosticians' reports, 1900; sanitary orders, 1902; daily school reports, 1905-6; weekly reports of Inspectors, 1906; contagious disease reports, 1904; Disinfectors' reports, 1898 to 1901;

sanitary weekly reports, 1898 to 1900; Shore Inspectors' reports, 1899 to 1900; Medical School Inspectors reports, 1899.

Assistant Chemists' reports, 1900 to 1901; applications store permits, 1899; index cards to sanitary complaints, 1903; contagious disease reports, 1903; applications, 1899, 1901-2; Medical Inspectors' daily reports, 1899 to 1900; complaints and reports, 1898, 1899, 1900; store applications, 1898; applications for cow permits, 1901 and 1902; orders, 1912; applications for permits, 1911, 1913; orders, 1903 to 1907; other weekly reports of Inspectors, 1905; complaints and reports, 1900; medical and sanitary reports for 1900); complaints and reports for 1913.

*Queens.*

Letters received, December 31, 1906, to December 31, 1911; copies of letters sent, December 31, 1906, to December 31, 1911; communications to and from Secretary, Chief Clerk and other officials, December 31, 1906, to December 31, 1911; duplicate requisitions, December 31, 1906, to December 31, 1911; advices from Chief Clerk, December 31, 1906, to December 31, 1911; quadruplicates of bills for supplies, etc., December 31, 1906, to December 31, 1911; indices, cards of correspondence, bills, etc., December 31, 1906, to December 31, 1911; diaries, December 31, 1906, to December 31, 1911; requisitions for stationery, etc., December 31, 1906, to December 31, 1911; requisitions for postage stamps by bureaus and divisions, December 31, 1906, to December 31, 1911; bills for laboratory products consigned to Assistant Chief Clerk, December 31, 1906, to December 31, 1911; book containing receipts of physicians and others for antitoxin, virus, etc., for free use, December 31, 1906, to December 31, 1911; complaints and reports, December 31, 1906, to December 31, 1911; compiled with notices, December 31, 1906, to December 31, 1911.

Which was adopted by the following vote:

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

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**County Clerk, Bronx County—Issue of Special Revenue Bonds (Cal. No. 55).**

The Secretary presented a communication dated July 20, 1915, from the County Clerk of Bronx County, requesting issue of Special Revenue Bonds in the sum of $100, for the purpose of continuing telephone service for the remainder of the year 1915; and the following report of the Comptroller, recommending denial thereof:

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

*To the Board of Estimate and Apportionment:*

Gentlemen—On July 20, 1915, the County Clerk, Bronx County, requested your board to authorize special revenue bonds in the sum of $100 to replenish the account entitled "3253, Contract or Open Order Service," for the purpose of continuing the telephone service for the remainder of this year.

On July 21, 1915, this request was referred to the Bureau of Contract Supervision, which bureau reports thereon as follows:

"In the departmental estimate for 1915 the sum of $400 was requested for 'Contract or Open Order Service.' The Tax Budget Committee allowed the sum of $200. This was entirely for telephone service.

"On August 24, 1915, there remained in this account an unencumbered balance of $124.61. There are no funds available to permit of a transfer to this account."

Under subdivision 7 of section 188 of the Greater New York Charter, the Comptroller *may* issue revenue bonds to provide for deficiencies in accounts of a county office, but, where a request has been made in the departmental estimate for the ensuing year, as in this case, which was reduced by the Tax Budget Committee, I am of the opinion the subdivision 7 does not apply.

I recommend that the request be denied.

Respectfully, WM. A. PRENDERGOST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby *denies* the request of the County Clerk of Bronx County, as set forth in a communication dated July 20, 1915, for an issue of special revenue bonds to the amount of one hundred dollars ($100), to provide for the continuance of the telephone service for the remainder of the year.

Which was adopted by the following vote:

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

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**Bellevue and Allied Hospitals—Issue of Special Revenue Bonds (Cal. No. 56).**

The Secretary presented a report of the Comptroller recommending the authorization of $11,000 special revenue bonds to be used by the Board of Trustees of Bellevue and Allied Hospitals for the purpose of meeting deficits in Code 2089, General Repairs, for the year 1915.

The Bureau of Contract Supervision reports to the Comptroller that the General Repair account is practically exhausted, due largely to the fact that contracts have been let against this fund for reconstruction work, which were not considered at the time the budget was prepared, to the amount of $11,751, and it is estimated that there is needed for general repairs approximately $25,000.

(On July 29, 1915 (Cal. No. 62), the Board approved two of the items contained in the resolution of the Board of Aldermen for an issue of $60,000 special revenue bonds, but delayed action on the item for Code 2089, General Repairs, until further investigation had been made.)

The matter was laid over to September 24, 1915, under Rule 19.

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**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—(Broadway-Fourth Avenue Railroad) (Cal. No. 57).**

(On June 4, 1915 (Cal. No. 34), the requisition and resolution of the Public Service Commission in this matter were presented and referred to the Comptroller. On June 18, 1915 (Cal. No. 80), a communication modifying resolution presented June 4, 1915, was presented and referred to the Comptroller.)

The Secretary presented the following requisition and communication of the Public Service Commission and report thereon by the Comptroller:

Public Service Commission for the First District, 154 Nassau Street, New York, May 28, 1915.

*To the Board of Estimate and Apportionment of The City of New York:*

On February 1, 1912, your Honorable Board consented to a contract between The City of New York, acting by this Commission, and The Degnon Contracting Company for the construction of section No. 2 of route No. 5, being a part of the Lexington Avenue Rapid Transit Railroad, and prescribed the limit to the amount of proceeds of corporate stock available for the purposes of said contract of two million three hundred and fifty-five thousand eight hundred and twenty-eight and 50/100 dollars ($2,355,828.50).

For the reasons hereinafter stated the sum thus appropriated is not sufficient to meet the requirements of said contract and it is requested that such limit of two million three hundred and fifty-five thousand eight hundred and twenty-eight and 50/100 dollars ($2,355,828.50) be increased to two million five hundred and ninety-nine thousand eight hundred and twenty-eight and 50/100 dollars ($2,599,828.50).

This 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. The balance of the excess is due to increases in other schedule items and to payments under Article XII., which includes the cost of by-passing gas mains for which no provision was made in the original contract. A copy of a detailed estimate upon which the amount hereby requested is based, is hereto attached.

The Public Service Commission for the First District, therefore, in accordance with the provisions of the Rapid Transit Act, being chapter 4 of the Laws of 1891 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 amount already authorized to be issued to provide means to meet the requirements of said contract for the construction of said section No. 2, route No. 5, to wit, the sum of two hundred and forty-four thousand dollars ($244,000). 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 twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract, dated March 19, 1913, known as Contract No. 3, between The City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company 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 Chairman this 28th day of May, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, Chairman.

Attest: TRAVIS H. WHITNEY, Secretary.

(Seal)

Public Service Commission for the First District, 154 Nassau Street, New York, June 15, 1915.

*Board of Estimate and Apportionment of The City of New York:*

Sirs—On May 28, 1915, the Public Service Commission for the First District made a requisition upon your Honorable Board for an additional appropriation of $244,000 for the purpose of carrying out the contract for the construction of Section No. 2 of the Lexington Avenue Rapid Transit Railroad (Route No. 5), and requested that said sum be made a sub-requisition on account of the appropriation of $28,200,000 made by your Honorable Board on March 18, 1913, for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 3, between The City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company. A portion only of the sum of $244,000, to wit, the sum of $22,065.06, should be chargeable to such appropriation for said Contract No. 3, and the balance, to wit, the sum of $221,934.94, is a sub-requisition on account of the appropriation of $60,000,000 made by your Honorable Board on March 18, 1913, for the purpose of carrying out the contract dated March 19, 1913, between The City of New York, acting by the Public Service Commission for the First District, and New York Municipal Railway Corporation, known as Contract No. 4.

It is therefore respectfully requested that the portion of said requisition for $244,000, to wit, the sum of $221,934.94, be charged against the said appropriation of $60,000,000. Respectfully yours, TRAVIS H. WHITNEY, Secretary.

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

*To the Board of Estimate and Apportionment:*

Gentlemen—On May 28, 1915, the Public Service Commission of the First District transmitted to your Board a resolution making requisition for an additional allowance of two hundred and forty-four thousand dollars ($244,000) for the purpose of more fully carrying out and completing the terms of a contract with the Degnon Contracting Company for the construction of Section No. 2 of Route 5, a part of the Broadway-Fourth Avenue Rapid Transit Railroad in Broadway, from Park Place to Walker Street, Manhattan, which contract was originally authorized by your Board on February 1, 1912, in an amount of $2,355,828.50.

On June 30, 1915, I prepared a tentative report for the Board of Estimate and Apportionment recommending the adoption of a resolution granting the requested additional appropriation, less certain amounts deducted for work under two agreements made by the Public Service Commission amending the original contract. These two agreements were made without reference to the Board of Estimate and Apportionment, and there was doubt in my mind concerning the legality of any changes in the contract made without authority from your Board, the approval of which was required for the original contract.

Inasmuch as there was a legal question involved, I determined to refer this matter to the Corporation Counsel before transmitting my report to the Board of Estimate and Apportionment. The Corporation Counsel still has under consideration the question of the legality of the agreements. The questions involved are rather difficult, and it may be some time before the Corporation Counsel can give his opinion. I believe that, meanwhile, the contractor should be paid all that is due on the work about which there is no question.

In addition to the matters before the Corporation Counsel, there is an item of $80,000 for by-passing the gas pipe on Section 2 of Route 5. It is proposed to pay for this under the cost plus 10 per cent. clause. I have not yet secured final figures showing what should be allowed for this work. There should be a considerable rebate to the City by the Consolidated Gas Company, which has taken over from the City the pipe used in this by-passing contract.

Pending a determination of the legal questions involved, and the preparation of the report upon the by-passing work, I recommend the approval of an authorization of $134,000 to cover the work done, concerning which there is no question. This will leave for future consideration three items as follows:

| | |
|---|---|
| Steam Pipe Work | $3,260 76 |
| Sheet Piling Work | 22,065 06 |
| By-passing gas mains | 80,000 00 |
| Total | $110,265 52 |

Attached hereto is a resolution which will carry this recommendation into effect.

Respectfully, ALEX. BROUGH, Deputy and Acting Comptroller.

The Comptroller moved that the additional Corporate Stock Allowance be made $174,000 instead of $134,000 recommended in the report.

On motion, Rule 19 was waived in this matter, and the following resolution was offered by the Comptroller:

Whereas, The Board of Estimate and Apportionment on February 1, 1912, consented to the award of a contract on the requisition of the Pubic Service Commission for the First District, between The City of New York, acting by said Commission, and the Degnon Contracting Company, for the construction of Section No. 2, Route 5, being a part of the Broadway-Fourth Avenue Rapid Transit Railroad, in the Borough of Manhattan, at an estimated cost of two million, three hundred and fifty-five thousand, eight hundred and twenty-eight dollars and fifty cents ($2,355,828.50), and

Whereas, The said Public Service Commission under date of May 28, 1915, has duly requisitioned the Board for the further amount of two hundred and forty-four thousand dollars ($244,000) for the purpose of completing the contract and providing for contingencies that may accrue thereunder, said amount to be charged against the appropriation of twenty-eight million, two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract, known as Contract No. 3, and

Whereas, The said Public Service Commission under date of June 15, 1915, transmitted to the Board a resolution adopted on June 15, 1915, requesting that the aforesaid resolution of May 28, 1915, be modified, so that a portion only of the sum of two hundred and forty-four thousand dollars ($244,000), to wit, the sum of twenty-two thousand and sixty-five dollars and six cents ($22,065.06) shall be chargeable to the appropriation of twenty-eight million two hundred thousand dollars made by the Board for said Contract No. 3, and the balance, to wit, the sum of two hundred and twenty-one thousand, nine hundred and thirty-four dollars and ninety-four cents ($221,934.94) shall be chargeable to the appropriation of sixty million dollars ($60,000,000) made by the Board for Contract No. 4, and

Whereas, the Public Service Commission for the First District on July 10, 1913, and on September 17, 1913, entered into two separate agreements aggregating the sum of thirty thousand two hundred and sixty-five dollars and eighty-two cents ($30,265.82) with the contractor for additional work to be done in connection with said contract, and

Whereas, it appears to the Board that said agreements are modifications, without its consent, of the original contract as approved by the Board, in that the terms of Article XII., which provides for additional work to be done at cost plus ten (10) per centum, have been nullified, and

Whereas, it appears to the Comptroller that all money due under said agreements and one-half of the allowance of eighty thousand dollars ($80,000) requested for "by-passing" gas mains, should be retained pending an opinion by the Corporation Counsel and until a more careful study can be made thereof, be it therefore

Resolved, That the Board of Estimate and Apportionment hereby *amends* the original resolution of February 1, 1912, for the construction of Section No. 2, Route 5, in an amount of two million, three hundred and fifty-five thousand, eight hundred and twenty-eight dollars and fifty cents ($2,355,828.50) *by adding thereto the amended and reduced amount of one hundred and seventy-four thousand dollars* ($174,000), and the Comptroller be and is hereby authorized and directed to issue corporate stock of the City of New York *to the additional amount of one hundred and seventy-four thousand dollars* ($174,000), 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 of the contract with the Degnon Contracting Company for the construction of Section No. 2 of Route 5, a part of the Broadway-Fourth Avenue Rapid Transit Railroad, in the Borough of Manhattan, said issue of corporate stock to be charged against the appropriation made

by this Board on March 18, 1913, of sixty million dollars ($60,000,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 4.

Which was adopted by the following vote:

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

**Public Service Commission for the First District—Issue of Special Revenue Bonds (Cal. No. 58).**

(On June 18, 1915 (Cal. No. 84), the request of the Public Service Commission for an additional appropriation of $1,000,000 for the expenses of the Commission for the year 1915 was referred to the Comptroller, and on July 9, 1915 (Cal. No. 81), and August 19, 1915 (Cal. No. 43), the Board authorized issues of $450,000 special revenue bonds on account of said requisition.)

The Secretary presented the following report of the Comptroller:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, September 16, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On June 18, 1915, you referred to me a communication from the Public Service Commission, dated June 15, 1915, accompanied by a requisition of that Commission for the sum of one million dollars ($1,000,000), to provide, on account, for the expenses and compensation of the employees of the Commission for the year ending December 31, 1915.

On January 15, 1915, and April 16, 1915, your Board authorized special revenue bonds to the total amount of one million eight hundred fifty thousand dollars ($1,850,000). Pursuant to the requisition made by the Public Service Commission on June 15, 1915, further sums to the total amount of $450,000 were authorized at the meetings of your Board held July 9, 1915, and August 19, 1915.

The Bureau of Contract Supervision reports that the balance in the fund to which the proceeds of the special revenue bonds are credited, and to which the expenses of the Public Service Commission are chargeable, is insufficient to meet the expenses of the present month. An additional authorization of three hundred thousand dollars ($300,000) on account of the requisition made by the Public Service Commission on June 15, 1915, should therefore be made at this time.

I recommend the adoption of the attached resolution, which will amend the resolution adopted by your Board on August 19, 1915, by increasing the amount of special revenue bonds therein authorized to the extent of three hundred thousand dollars ($300,000), making the total amount of special revenue bonds authorized on account of the requisition dated June 15, 1915, seven hundred and fifty thousand dollars $750,000).

Respectfully, WM. A. PRENDERGAST, Comptroller.

On motion, Rule 19 was waived in this matter and the following resolution was offered:

Resolved, That the resolution adopted by the Board of Estimate and Apportionment on August 19, 1915, reading as follows:

"Resolved, That the resolution adopted by the Board of Estimate and Apportionment on July 9, 1915, reading as follows:

"'Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 10, chapter 4, of the Laws of 1891, and section 14, chapter 429, of the Laws of 1907, as amended, and on account of the requisition of the Public Service Commission for the First District, duly made by the Chairman and Secretary thereof on June 15, 1915, for one million dollars ($1,000,000) on account, for the expenses of the Commission for the year ending December 31, 1915, hereby approves of an issue of special revenue bonds of The City of New York to an amount not exceeding two hundred thousand dollars ($200,000), and that the Comptroller be and he is hereby authorized, pursuant to the provisions of section 10, chapter 4, of the Laws of 1891, and section 14, chapter 429, of the Laws of 1907, as amended, to issue special revenue bonds of The City of New York to an amount not exceeding two hundred thousand dollars ($200,000), redeemable from the tax levy of the year succeeding the year of their issue, the proceeds to be applied to the purposes aforesaid.'

"—be and the same is hereby amended to make the amount authorized to be issued in special revenue bonds *four hundred and fifty thousand dollars* ($450,000)."

—be and the same is hereby *further amended* to make the amount authorized to be issued in special revenue bonds *seven hundred and fifty thousand dollars* ($750,000).

Which was adopted by the following vote:

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

**Public Service Commission for the First District—Consent to Award of Contracts for Supplying Track Materials, for Use in Construction of Rapid Transit Railroads, and Issues of Corporate Stock Therefor (Cal. No. 59).**

The Secretary presented a report of the Comptroller, recommending that the Board consent to sixteen (16) contracts for the supplying of track materials, which it is proposed to use partly in the construction of rapid transit railroads to be operated by the Interborough Rapid Transit Company under Contract No. 3 and partly by the New York Municipal Railway Corporation under Contract No. 4. The aggregate amount of the low bidders for the sixteen contracts is $1,876,343.28.

The names of the successful bidders upon the contracts to which consent is recommended, the number of competitors, the materials to be furnished and the amounts of the bids are as follows:

| Number of Bidders. | Materials and Name of Bidder. | Chargeable Against Contract No. 3. | Chargeable Against Contract No. 4. | Total Cost. |
|---|---|---|---|---|
| 1 | Felt Pads—Q. & C. Co. | $7,468 29 | $2,489 43 | $9,957 72 |
| 4 | Malleable Iron—Foran Foundry and Mfg. Co. | 27,088 55 | 9,029 52 | 36,118 07 |
| 6 | Tie Plates, Type A—Herbert W. Lockwood | 92,981 25 | 30,993 75 | 123,975 00 |
| 2 | Tie Plates, Type B—L. D. Rockwell | 9,950 63 | 3,316 87 | 13,267 50 |
| 2 | Tie Plates, Type D—Herbert W. Lockwood | 6,179 25 | 2,059 75 | 8,239 00 |
| 2 | Tie Plates, Type C—L. D. Rockwell | 3,855 19 | 1,285 06 | 5,140 25 |
| 3 | Tie Plates, E, F, G, H—Herbert W. Lockwood | 12,854 44 | 4,284 81 | 17,139 25 |
| 3 | Tie Plates, E2, W, X—Ramapo Iron Works | 2,176 01 | 725 34 | 2,901 35 |
| 2 | Bolts and Nuts—Oliver Iron and Steel Co. | 88,433 05 | 29,477 68 | 117,910 73 |
| 2 | Screw Spikes and Lag Screws—American Iron and Steel Mfg. Co. | 19,305 07 | 6,435 36 | 25,741 43 |
| 3 | Cut Track Spikes—Herbert W. Lockwood | 25,753 50 | 8,584 50 | 34,338 00 |
| 4 | Cast Iron—American Brake Shoe and Foundry Co. | 7,896 43 | 2,632 14 | 10,528 57 |
| 3 | Special Work—Wm. Wharton, Jr., & Co. | 41,907 60 | ..... | 41,907 00 |
| 3 | Special Work—Ramapo Iron Works | 54,960 00 | ..... | 54,960 00 |
| 4 | Treated Ties and Timber—Long Leaf Pine Co., Inc. | 75,271 86 | 25,090 62 | 100,362 48 |
| 8 | Untreated Ties and Timber—J. H. Burton & Co. | 955,392 70 | 318,464 23 | 1,273,856 93 |
| | | $1,431,474 22 | $444,869 06 | $1,876,343 28 |

The report also recommends that the Board prescribe the amount set opposite each of these contracts as the limit of bonds to be made available to meet the obligations thereby to be placed upon the City, and authorize the Comptroller to issue corporate stock in said respective amounts, the same to be charged against the appropriation already made for Contracts Nos. 3 and 4, as indicated.

The matter was laid over one week (September 24, 1915), Rule 19.

## From Bureaus of the Board

*Bureau of Public Improvements.*

**Board of Estimate and Apportionment—Engineer's Financial Statement (Cal. No. 60).**

The Secretary presented the following report of the Deputy Chief Engineer, which was ordered printed in the Minutes and filed:

Financial Statement No. D-36. September 13, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—I beg to submit the following tabular statement showing the estimated cost of physical improvements and the number of opening proceedings for each borough and total for all boroughs which have been authorized by the Board of Estimate and Apportionment since January 1, 1914, together with the physical improvements for which preliminary authorization is now outstanding:

*Surface and Subsurface Improvements Given Final Authorization in* 1914 *and* 1915.

| Borough. | Surface Improvements. Total, 1914. No. | Surface Improvements. Total, 1914. Amount. | Surface Improvements. 1915 to Date. No. | Surface Improvements. 1915 to Date. Amount. | Sewer Improvements. Total, 1914. No. | Sewer Improvements. Total, 1914. Amount. | Sewer Improvements. 1915 to Date. No. | Sewer Improvements. 1915 to Date. Amount |
|---|---|---|---|---|---|---|---|---|
| Manhattan ... | 11 | $115,600 00 | 6 | $41,700 00 | 9 | $74,500 00 | †15 | $723,126 00 |
| Brooklyn .... | 99 | 665,400 00 | 115 | 517,000 00 | 54 | 491,850 00 | ‡31 | 1,389,400 00 |
| The Bronx ... | 24 | 340,200 00 | *31 | 477,000 00 | 17 | 234,300 00 | 20 | 226,700 00 |
| Queens ..... | 38 | 535,900 00 | 30 | 347,700 00 | 23 | 217,400 00 | 36 | 1,012,700 00 |
| Richmond ... | 4 | 8,500 00 | 6 | 26,800 00 | 6 | 7,600 00 | 6 | 50,400 00 |
| Total .... | 176 | $1,665,600 00 | *188 | $1,410,200 00 | 109 | $1,025,650 00 | ††108 | $3,402,326 00 |

*Excludes one improvement estimated to cost $130,000, authorized in 1913 at an estimated cost of $186,000, the resolution for which was amended in 1915.
†Excludes $170,000 chargeable to subway construction.
‡Includes two improvements for which partial authorization only has been given.

*Surface and Subsurface Improvements for Which Preliminary Authorization Is Now Outstanding.*

| Borough. | Surface Improvements. No. | Surface Improvements. Amount. | Sewer Improvements. No. | Sewer Improvements. Amount. |
|---|---|---|---|---|
| Manhattan ..... | 9 | $358,600 00 | 12 | $402,900 00 |
| Brooklyn ..... | 17 | 131,000 00 | *6 | 901,400 00 |
| The Bronx ..... | 6 | 185,500 00 | 3 | 1,485,600 00 |
| Queens ..... | 12 | 147,700 00 | 13 | 748,000 00 |
| Richmond ..... | 3 | 30,600 00 | .. | ..... |
| Total ..... | 47 | $853,400 00 | *34 | $3,537,900 00 |

*Includes three improvements for which partial final authorization has been given.

*Street and Park Opening Proceedings Authorized in* 1914 *and* 1915.

| Borough. | Total, 1914. Number of Streets and Parks Affected. | Total, 1914. Number of Proceedings. | 1915 to Date. Number of Streets and Parks Affected. | 1915 to Date. Number of Proceedings. |
|---|---|---|---|---|
| Manhattan ..... | 1 | 1 | .. | .. |
| Brooklyn ..... | 3 | 2 | 4 | 2 |
| The Bronx ..... | 9 | 2 | 16 | 8 |
| Queens ..... | 16 | 9 | 13 | 10 |
| Total ..... | 29 | 14 | 33 | 20 |

A comparison of the estimated cost of physical improvements for which final authorization has been given since January 1, 1915, and of all outstanding preliminary authorizations, with the value of the assessment lists relating to authorizations since January 1, 1902, returned in 1915, and with the 1915 collections up to and including September 8, in each case, shows the following:

| Borough. | Authorizations. Outstanding Preliminary Authorizations. No. | Amount. | Final Authorizations in 1915. No. | Amount. | Total. No. | Amount. | Assessment Lists Returned. | Collections. |
|---|---|---|---|---|---|---|---|---|
| Manhattan ... | 21 | $761,500 00 | 21 | $764,826 00 | 42 | $1,526,326 00 | $93,606 71 | $257,576 77 |
| Brooklyn ..... | 23 | 1,032,400 00 | 146 | 1,906,400 00 | 169 | 2,938,800 00 | 685,052 72 | 1,461,760 25 |
| The Bronx ... | 9 | 1,671,100 00 | 51 | 703,700 90 | 60 | 2,374,800 00 | 1,506,818 37 | 961,364 06 |
| Queens ..... | 25 | 895,700 00 | 66 | 1,360,400 00 | 91 | 2,256,100 00 | 715,492 90 | 927,148 96 |
| Richmond .... | 3 | 30,600 00 | 12 | 77,200 00 | 15 | 107,800 00 | 9,720 70 | 68,554 58 |
| Total .... | 81 | $4,391,300 00 | 296 | $4,812,526 00 | 377 | $9,203,826 00 | $3,010,691 40 | $3,676,404 62 |

The following table shows the additional amounts for which preliminary authorization may be outstanding on the basis of the recommendation made to the Board at its meeting of February 5, 1915; the value of the preliminary authorizations now outstanding, the carrying out of which is believed to be urgent, this list including all authorizations given subsequent to July 1, 1914, as well as those of a prior date where evidences are at hand to show that the work will at once be required; and the balance available for final authorization as determined under a resolution adopted by the Board at its meeting of June 25, 1915:

| Borough. | Additional Preliminary Authorizations Which May Be Outstanding on the Basis of the Recommendation of February 5, 1915. | Preliminary Authorizations Now Outstanding, the Need for the Immediate Carrying Out of Which Has Been Established. | Balance Available for Final Authorization as Provided Under the Resolution of June 25, 1915. |
|---|---|---|---|
| Manhattan ..... | $335,800 00 | $341,300 00 | $59,074 00 |
| Brooklyn ..... | 1,054,500 00 | 161,500 00 | 151,430 00 |
| The Bronx ..... | 517,400 00 | 389,800 00 | 980,460 00 |
| Queens ..... | 433,600 00 | 385,100 00 | 50,090 00 |
| Richmond ..... | 39,400 00 | 30,600 00 | 33,320 00 |
| Total ..... | $1,709,100 00 | $1,308,300 00 | $1,274,374 00 |

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

**Williams Avenue, from Stanley Avenue to the Bulkhead Line of Fresh Creek Basin, Borough of Brooklyn—Acquiring Sewer Easement (Cal. No. 61).**

The Secretary presented a resolution adopted on April 28, 1915, by the Local Board of the New Lots District, Borough of Brooklyn, initiating proceedings for this improvement; a communication from the Acting President of the Borough of Brooklyn, dated August 24, 1915, transmitting a map showing the position of the land in which the easement is desired; and the following report of the Chief Engineer:

Report No. 14910. September 9th, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a resolution of the Local Board of the New Lots District, Borough of Brooklyn, adopted on April 28th, 1915, recommending the acquisition of an easement which is needed for sewer purposes in a strip of land located at the foot of Williams Avenue, and extending from Stanley Avenue to the proposed bulkhead line of Fresh Creek Basin. There is also transmitted a communication from the Acting Borough President, bearing date of August 24th, 1915, re-

questing the approval of a map showing the position of the land in which the easement is desired.

The area to which this proceeding relates has a length of 300 feet and a width of 70 feet, and is located 459 feet westerly from and parallel with the westerly line of Louisiana Avenue. The land, which is unimproved, is partly under water, and, although the parcel of which it forms a part is unsubdivided on the tax maps, it would appear from such information as is available that it is assessed as having a value of less than $1,000. Easement rights are needed to clear the way for the early construction of an important sewer, which constitutes the main outlet for a system designed to relieve congestion in the East New York section, and also to later permit of building storm water sewers intended to serve adjoining areas at present undeveloped. The aggregate tributary area includes about 1,600 acres, and it is evident that it will be impracticable to defray the cost of the easement proceeding through the levying of an assessment against the property benefited.

I would recommend the approval of the map laying out the easement, and, in conformity with the procedure heretofore followed in similar cases, would suggest that the Comptroller be authorized to acquire the necessary rights by direct negotiation with the property owners in case satisfactory terms can be arranged, with the understanding that the expense will be met through a draft on the Street Improvement Fund, to be collected as a part of the assessment in the first contract affecting the construction of any of the related sewers. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

Resolved, that the Board of Estimate and Apportionment hereby approves the map dated August 20, 1915, and showing land in which it is necessary to acquire a title of perpetual easement for the purposes of constructing and maintaining sewer outlets between Stanley Avenue and Fresh Creek Basin opposite Williams Avenue, Borough of Brooklyn.

Which was adopted by the following vote:

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

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The following was offered:

Whereas, the Board of Estimate and Apportionment adopted a resolution on September 17, 1915, approving a map, submitted by the President of the Borough of Brooklyn, dated August 20, 1915, and showing land in which it is necessary to acquire a title of perpetual easement for the purposes of constructing and maintaining sewer outlets between Stanley Avenue and Fresh Creek Basin opposite Williams Avenue, Borough of Brooklyn, be it

Resolved, that the Board of Estimate and Apportionment hereby authorizes and requests the Comptroller of the City of New York to acquire the necessary sewer easement shown on said map, by direct negotiation with the property owners, in case terms satisfactory to the Comptroller and to the Board can be arranged, with the understanding that the expense of such acquisition will be met through a draft on the Street Improvement Fund and assessed in the first proceeding affecting any of the related sewers.

Which was adopted by the following vote:

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

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**Palmer Avenue, from Madison Avenue to Heberton Avenue, Borough of Richmond—Discontinuing Proceeding for Acquiring Title (Cal. No. 62).**

The Secretary presented a communication, dated August 6, 1915, from the President of the Borough of Richmond, relative to cessions of land in this street; and the following report of the Chief Engineer:

Report No. 14912. September 10, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on March 23, 1911, a proceeding was instituted for acquiring title to Palmer Avenue from Madison Avenue to Heberton Avenue, in the Borough of Richmond. On May 18th following the Board requested that no expense be incurred in this proceeding pending the result of negotiations then in progress relative to the cession of land within the street lines.

In reply to a request from this office regarding these negotiations, the Borough President advises that a number of property owners have ceded their holdings within the street lines to the City, and that the Corporation Counsel has rendered an opinion to the effect that Palmer Avenue, between the limits named was dedicated to public use. The Corporation Counsel also states that no expense has been incurred chargeable to this proceeding.

Under these conditions it would seem proper to discontinue the proceeding as now requested by the Borough President, and such action is recommended.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of section 1000 of the Greater New York Charter, as amended, deeming it for the public interest so to do, hereby discontinues the proceeding authorized by the Board on March 23rd, 1911, for acquiring title to Palmer Avenue, from Madison Avenue to Heberton Avenue, Borough of Richmond; and be it further

Resolved, That the Board of Estimate and Apportionment hereby rescinds the resolution adopted by the Board on March 23, 1911, for acquiring title to Palmer Avenue, from Madison Avenue to Heberton Avenue, Borough of Richmond.

Which was adopted by the following vote:

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

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

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**Amsterdam Avenue Adjacent to the Northwest Corner of West 67th Street, and Other Points, Borough of Manhattan—Amending Resolution for Constructing Receiving Basins (Cal. No. 63).**

(On August 26, 1915 (Cal. No. 8), resolutions were adopted initiating proceedings for the construction of these sewer basins and requesting the Borough President to defer execution of the work until the Chief Engineer of the Board has reported on the necessity for said improvements.)

The Secretary presented the following report of the Chief Engineer and communication from the Corporation Counsel:

Report No. 14929. September 14, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on August 26, 1915, a resolution was adopted after a public hearing authorizing the President of the Borough of Manhattan to construct receiving basins on Amsterdam Avenue adjacent to the northwest corner of West 67th Street and at forty other points described in the resolution, with the provision that the expense thereof should be assessed upon the property benefited thereby. The improvement was estimated to cost $18,826, and the assessed valuation of the property deemed benefited was reported to be $69,137,100.

In this connection the Board was informed by the Borough President that the basins were to be consructed on streets which were to be re-paved during the present season and were intended to provide the necesasry facilities for the removal of drainage, their construction at this time being deemed especially desirable in order that the pavement would not have to be mutilated at a later date. In order that there might be no question as to the propriety of this improvement the Borough President was requested to refrain from carrying it out until the Chief Engineer of the Board had certified as to the necessity for the basins.

I have made a careful investigation of this matter and, after discussing the question with the Borough President, have agreed with him that the work essential at this time might be limited to the construction of twenty-nine basins at a cost of $13,700, located on streets where repaving work is about to be undertaken. A table showing these basins, their estimated cost, and the assessed valuation of the property deemed benefited, is appended hereto.

I would therefore recommend that the resolution adopted on August 26, 1915, be amended in such a way as to relate only to the basins included in this table.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

*Table Showing Location of Receiving Basins Which Should be Installed at Once in Order to Clear the Way for Carrying out Repaving Improvements.*

| Location. | Estimated Cost. | Assessed Valuation. |
|---|---|---|
| Amsterdam Ave., adjacent to the northwest corner of W. 67th St. | $500 00 | $1,360,000 00 |
| W. 67th St., adjacent to the southeast corner of Amsterdam Avenue | 400 00 | 2,339,000 00 |
| West 88th St., adjacent to the southeast corner of West End Avenue | 400 00 | 2,436,500 00 |
| Adjacent to the southwest corner of West End Avenue and 95th St. | 500 00 | 2,223,000 00 |
| Adjacent to the northeast corner of West End Ave. and 93d St. | 500 00 | 1,281,500 00 |
| Adjacent to the northeast corner of West End Ave. and 92nd St. | 500 00 | 1,868,000 00 |
| Adjacent to the northeast corner of West End Ave. and 91st St. | 500 00 | 1,836,500 00 |
| Adjacent to the southeast corner of West End Ave. and 91st St. | 400 00 | 1,781,600 00 |
| Adjacent to the southwest corner of 80th St. and Lexington Ave. | 600 00 | 2,601,000 00 |
| Adjacent to the northwest corner of 85th St. and 1st Ave.. | 500 00 | 1,143,500 00 |
| Adjacent to the southwest corner of 85th St. and 2nd Ave.. | 500 00 | 1,250,500 00 |
| Adjacent to the northwest corner of 85th St. and 2nd Ave.. | 500 00 | 1,604,900 00 |
| Adjacent to the southwest corner of 66th St. and Madison Ave., and the southeast corner of 66th St. and 5th Ave.. | 800 00 | 5,308,000 00 |
| Fortieth St., adjacent to the northeast corner of 3rd Ave. | 500 00 | 1,212,000 00 |
| Adjacent to the southeast corner of 67th St. and Madison Ave., and the southwest corner of 67th St. and Park Ave. | 1,100 00 | 3,677,000 00 |
| Adjacent to the northeast corner of 67th St. and 5th Ave.. | 1,100 00 | 6,003,000 00 |
| Adjacent to the southwest corner of 80th St. and Park Ave. | 400 00 | 2,187,500 00 |
| Adjacent to the southeast corner of 68th St. and Madison Ave. | 400 00 | 3,074,000 00 |
| Adjacent to the southeast corner of 80th St. and 5th Ave.. | 400 00 | 4,512,000 00 |
| Adjacent to the southwest corner of 8th Ave., and the southeast corner of 9th ave. and 30th St. | 800 00 | 1,488,600 00 |
| Amsterdam Ave., adjacent to the northwest corner of W. 65th St. | 400 00 | 1,200,000 00 |
| Amsterdam Ave., adjacent to the northwest corner of W. 66th St. | 400 00 | 1,183,500 00 |
| West 62d St., adjacent to the northeast corner of Amsterdam Ave. | 600 00 | 1,763,000 00 |
| Amsterdam Ave., adjacent to the southwest corner of W. 64th St. | 500 00 | 1,730,000 00 |
| W. 55th St., adjacent to the northwest corner of 6th Ave.. | 600 00 | 4,618,500 00 |
| Total | $13,700 00 | $59,683,100 00 |

City of New York, Law Department, Office of the Corporation Counsel, September 11, 1915.

*Board of Estimate and Apportionment, City of New York:*

Sirs—I am in receipt of a letter from your department, dated September 2, 1915, signed Arthur S. Tuttle, Deputy Chief Engineer, which reads as follows:

"I am enclosing herewith certified copies of four resolutions adopted by the Board of Estimate and Apportionment at its meeting of August 26, 1915, and as follows:

"8-A—Initiating proceedings for the construction of 40 receiving basins on Amsterdam Avenue, etc., Borough of Manhattan, at a total estimated cost of $18,826.

"8-B—Requesting the Borough President to refrain from entering into a contract for the improvement until after the Chief Engineer had reported on the question of necessity.

"9-A—Initiating proceedings for the construction of 133 receiving basins on 8th Avenue, etc., Borough of Manhattan, at a total estimated cost of $83,400.

"9-B—Requesting the Borough President to refrain from entering into a contract for the improvement until after the Chief Engineer had reported on the question of necessity.

"You will note that Resolutions 8-A and 9-A are conditioned upon the statement made by the Acting Borough President to the effect that 'these receiving basins will serve both a sanitary and a traffic purpose.'

"In his communication on the subject, the Borough President states: 'The streets in which these basins are to be built are about to be repaved. Advantage is taken of this fact to construct the additional basins necessary to facilitate pedestrian traffic by practically removing the flow of water in gutters at crosswalks. The inadequate number of basins in a great many sections of the City causes streams of water to flow in the gutters at crosswalks in heavy rains, making it almost impossible to cross the street.'

"You will note that the authorizations have also been conditioned upon the preparation of a report by the Chief Engineer, certifying as to the necessity for the improvements. I have, therefore, had an inspection made as to the physical conditions existing at each of the intersections described and as to the need for each of the basins. As a result of this inspection, I find that the improvements may be divided into seven distinct classes, and as follows:

"1. One basin (S. W. corner of Columbus Avenue and West 70th Street), which would be located at a summit, which would receive no drainage and would be of no benefit to the adjoining territory.

"2. One basin (S. W. corner of Park Avenue and East 80th Street), which would replace a basin now in use. It is believed that the only occasion for replacing the basin at this corner is to permit of intercepting draining before it reaches the crosswalks.

"3. Several basins which would drain a very limited area, extending over a distance of, say, from about 100 feet upwards to 200 feet, longitudinally along the street. In these cases the assessment might reach a maximum of about $6 per front foot.

"4. One basin (S. E. corner of Bennett Avenue and West 184th Street) for an intersection where neither of the streets has been paved.

"5. Several basins for intersections where there does not appear to be any need for repaving either of the intersecting streets.

"6. One basin (S. W. corner of Haven Avenue and West 181st Street) where a change in the street grade is now being carried out, but will not be completed in the immediate future.

"7. Basins which are reasonably needed for the removal of surface drainage and which will serve a longitudinal distance along the street of 200 feet or more, in these respects conforming with what may be considered good practice in the Borough of Manhattan.

"By far the greater portion of the improvements described in the resolutions fall within what I have described as the seventh class and I have no doubt as to the propriety of executing a certificate as to the *desirability* of most or all which are of this general character.

"From the accompanying transcript of the stenographic notes taken at the Board meeting in connection with the discussion of these resolutions, you will note that a question has been raised by a representative of a number of the property owners as to the power of the Board of Estimate and Apportionment to initiate these improvements, and that notice has been served to the effect that an attempt to collect an assessment would be resisted by them. It was also disclosed that the carrying out of these improvements had been considered by the Local Board and that in a majority of cases the Local Board had refused to initiate the proceeding.

"Under these conditions I assume that, before issuing a certificate, any question as to the ability of the City to collect the assessments for the improvements should be removed, and I, therefore, submit these facts to you in order that I may have the benefit of your advice.

"In an opinion presented to the Board of Estimate and Apportionment by the Acting Corporation Counsel under date of February 19, 1912 (page 477 of

the Public Improvement Minutes of February 29, 1912), the Board was informed that, 'while the weight of authority is in favor of * * * holding that the Board of Estimate and Apportionment can legally initiate and authorize an assessable physical local improvement without a petition and without a resolution of the Local Board * * * no one could feel confident thereof until the question has been passed upon by the Court of Appeals. * * * There may arise urgent cases where it is impossible to obtain a petition and resolution of the Local Board, and where the public health or safety is in danger, or where, as in the subway cases, great public interests may be injured and expensive delay be caused. If the Board of Estimate and Apportionment is satisfied that such a case is presented, I think it should take whatever risk there may be of authorizing the work without a petition and without a resolution of the Local Board, and authorize the assessment of the whole or a part of the expense in the usual manner.'

"I am informally advised that the Borough President proposes to refrain from entering into a contract for any of the basins which our investigations show would not be of benefit to the abutting property or the construction of which could be properly deferred, as would clearly be the situation in cases such as I have outlined in Nos. 1 to 6, inclusive. He is desirous of carrying out the remaining improvements at once, and, in order that the work may not be delayed, I beg to ask if you will not inform me at the earliest date practicable as to whether in your opinion the conditions, as described for case No. 7 and as further explained by the Borough President in his communication, are such as to justify the Board of Estimate and Apportionment in initiating the improvement, irrespective of any action on the part of the Local Board."

In Reis v. City of New York, 188 N. Y., 58, it was held that the closing of a street by the Board of Estimate and Apportionment of the City of New York, with the approval of the Mayor, is not irregular and invalid because the proceeding did not originate with the local board of the district in which the street is located.

Judge Willard Bartlett, in delivering the opinion of the Court, said:

"Referring to these sections of the charter, it is insisted in behalf of the appellant that they deprive the board of estimate and apportionment of any power to change the city map so as to open or close streets except in cases where the proceeding is inaugurated by a local board. I am unable to discover any such limitation or restriction, either in the express language of these sections or deducible therefrom by fair implication. If the view thus contended for be correct, there would be no power in the general municipal government to set on foot any public improvement which demanded or contemplated the opening or closing of a street, no matter how desirable, without first obtaining the sanction of an official board of a local and limited jurisdiction. In that event it is quite conceivable that the selfish interest of a locality might outweigh and prevail against the interests of the community at large. It seems to me that the plain intent of these statutory provisions is to confer upon the local boards the authority to deal in the first instance with applications for local improvements made to them *by petition*, but that the legislature meant to commit to the jurisdiction of the board of estimate and apportionment, with the co-operation of the chief executive of the city, the power of its own volition to initiate and carry through such public improvements as they should deem for the best interests of the city at large, irrespective of any action or lack of action by the subordinate local boards."

This case, it should be noted, concerned the closing of a street, and not the erection of an assessable physical local improvement, as does the case submitted by Mr. Tuttle. And so far as I am aware, the question here involved has never been passed upon by the Courts of this State.

While the matter is not entirely free from doubt, nevertheless it would seem that this decision of the Court of Appeals and the observations of Judge Bartlett, above set forth, constitute authority for holding that, in the circumstances stated, it is competent for the Board of Estimate and Apportionment to inaugurate the improvements described in Class 7 of Mr. Tuttle's communication, irrespective of any action on the part of the local board, and I advise you accordingly.

Respectfully yours, LOUIS H. HAHLO, Acting Corporation Counsel.

The following resolution was offered:

Whereas, the Board of Estimate and Apportionment, after a public hearing on August 26, 1915, adopted a resolution initiating proceedings for the construction of receiving basins at Amsterdam Avenue, adjacent to the northwest corner of West 67th Street, Borough of Manhattan, and at about forty other points in said Borough, and directed that the entire cost and expense of said improvements be assessed upon the property deemed to be benefited thereby; and

Whereas, in pursuance of instructions received at the said meeting of August 26, 1915, the Chief Engineer of the Board has reported as to the necessity for the construction of the aforesaid receiving basins and advised that the work might be limited at this time to the construction of twenty-nine receiving basins; be it

Resolved, That the resolution adopted by the Board on August 26, 1915, initiating proceedings for the construction of receiving basins at Amsterdam Avenue, adjacent to the northwest corner of West 67th Street and at about forty other points, in the Borough of Manhattan, be and the same is hereby amended by limiting the authorization to the construction of receiving basins at the following points:

| Location | Estimated Cost. | Assessed Valuation. |
|---|---|---|
| Amsterdam Ave., adjacent to the northwest corner of W. 67th St. | $500 00 | $1,360,000 00 |
| W. 67th St., adjacent to the southeast corner of Amsterdam Avenue | 400 00 | 2,339,000 00 |
| West 88th St., adjacent to the southeast corner of West End Avenue | 400 00 | 2,436,500 00 |
| Adjacent to the southwest corner of West End Avenue and 95th St. | 500 00 | 2,223,000 00 |
| Adjacent to the northeast corner of West End Ave. and 93d St. | 500 00 | 1,281,500 00 |
| Adjacent to the northeast corner of West End Ave. and 92nd St. | 500 00 | 1,868,000 00 |
| Adjacent to the northeast corner of West End Ave. and 91st St. | 500 00 | 1,836,500 00 |
| Adjacent to the southeast corner of West End Ave. and 91st St. | 400 00 | 1,781,600 00 |
| Adjacent to the southwest corner of 80th St. and Lexington Ave. | 600 00 | 2,601,000 00 |
| Adjacent to the northwest corner of 85th St. and 1st Ave.. | 500 00 | 1,143,500 00 |
| Adjacent to the southwest corner of 85th St. and 2nd Ave.. | 500 00 | 1,250,500 00 |
| Adjacent to the northwest corner of 85th St. and 2nd Ave.. | 500 00 | 1,604,900 00 |
| Adjacent to the southwest corner of 66th St. and Madison Ave., and the southeast corner of 66th St. and 5th Ave.. | 800 00 | 5,308,000 00 |
| Fortieth St., adjacent to the northeast corner of 3rd Ave. | 500 00 | 1,212,000 00 |
| Adjacent to the southeast corner of 67th St. and Madison Ave. and the southwest corner of 67th St. and Park Ave. | 1,000 00 | 3,677.000 00 |
| Adjacent to the northeast corner of 66th St. and 5th Ave. and the southeast corner of 67th St. and 5th Ave. | 1,100 00 | 6,003,000 00 |
| Adjacent to the southwest corner of 80th St. and Park Ave. | 400 00 | 2,187,500 00 |
| Adjacent to the southeast corner of 68th St. and Madison Ave. | 400 00 | 3,074,000 00 |
| Adjacent to the southeast corner of 80th St. and 5th Ave.. | 400 00 | 4,512,000 00 |
| Adjacent to the southwest corner of 8th Ave., and the southeast corner of 9th Ave. and 30th St. | 800 00 | 1,488,600 00 |
| Amsterdam Ave., adjacent to the northwest corner of W. 65th St. | 400 00 | 1,200,000 00 |
| Amsterdam Ave., adjacent to the northwest corner of W. 66th St. | 400 00 | 1,183,500 00 |
| West 62d St., adjacent to the northeast corner of Amsterdam Ave. | 600 00 | 1,763,000 00 |
| Amsterdam Ave., adjacent to the southwest corner of W. 64th St. | 500 00 | 1,730,000 00 |
| W. 55th St., adjacent to the northwest corner of 6th Ave.. | 600 00 | 4,618,500 00 |
| Total | $13,700 00 | $59,683,100 00 |

Which was adopted by the following vote:

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

**8th Avenue at the Southwest Corner of West 111th Street, and Other Points, Borough of Manhattan—Amending Resolution for Constructing Receiving Basins (Cal. No. 64).**

(On August 26, 1915 (Cal. No. 9), resolutions were adopted initiating proceedings for the construction of these sewer basins and requesting the Borough President to defer the execution of the work until the Chief Engineer of the Board has reported on the necessity for said improvements.)

The Secretary presented the following report of the Chief Engineer:

Report No. 14930. September 14th, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on August 26th, 1915, a resolution was adopted after a public hearing authorizing the President of the Borough of Manhattan to construct receiving basins on 8th Avenue at the southwest corner of West 111th Street and at 133 other points described in the resolution, with the provision that the expense thereof should be assessed upon the property benefited thereby. The improvement was estimated to cost $83,400, and the assessed valuation of the property deemed benefited was reported to be $227,682,700.

In this connection the Board was informed by the Borough President that the basins were to be constructed on streets which were to be re-paved during the present season and were intended to provide the necessary facilities for the removal of drainage, their construction at this time being deemed especially desirable in order that the pavement would not have to be mutilated at a later date. In order that there might be no question as to the propriety of this improvement the Borough President was requested to refrain from carrying it out until the Chief Engineer of the Board had certified as to the necessity for the basins.

I have made a careful investigation of this matter and, after discussing the question with the Borough President, have agreed with him that the work essential at this time might be limited to the construction of eighty basins at a cost of $44,200, located on streets where re-paving work is about to be undertaken. A table showing these basins, their estimated cost, and the assessed valuation of the property deemed benefited, is appended hereto.

I would therefore recommend that the resolution adopted on August 26th, 1915, be amended in such a way as to relate only to the basins included in this table.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

*Table Showing Location of Receiving Basins Which Should Be Installed at Once, in Order to Clear the Way for Carrying out Repaving Improvements.*

| Location. | Estimated Cost. | Assessed Valuation. |
|---|---|---|
| Construction of receiving basin adjacent to the southwest corner of 8th Avenue and 111th Street | $600 00 | $1,079,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 111th Street | 600 00 | 2,018,500 00 |
| Adjacent to the southwest corner of 8th Avenue and 112th Street | 500 00 | 764,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 112th Street | 500 00 | 2,022,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 113th Street | 600 00 | 751,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 113th Street | 500 00 | 817,500 00 |
| Adjacent to the southwest corner of 8th Avenue and 114th Street | 500 00 | 1,072,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 114th Street | 600 00 | 1,938,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 115th Street | 500 00 | 816,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 115th Street | 500 00 | 1,395,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 116th Street | 600 00 | 1,050,500 00 |
| Adjacent to the southeast corner of 8th Avenue and 116th Street | 500 00 | 1,919,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 117th Street | 500 00 | 819,500 00 |
| Adjacent to the southeast corner of 8th Avenue and 117th Street | 600 00 | 1,258,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 118th Street | 500 00 | 1,006,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 118th Street | 600 00 | 845,500 00 |
| Adjacent to the southeast corner of 8th Avenue and 119th Street | 600 00 | 761,500 00 |
| Adjacent to the southwest corner of 8th Avenue and 120th Street | 500 00 | 810,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 120th Street | 600 00 | 496,000 00 |
| Adjacent to the northwest corner of 8th Avenue and 123d Street | 600 00 | 605,500 00 |
| Adjacent to the northwest corner of Columbus Avenue and 67th Street | 500 00 | ..... |
| Adjacent to the northwest corner of Columbus Avenue and 68th Street | 500 00 | 1,898,000 00 |
| Adjacent to the northwest corner of Columbus Avenue and 69th Street | 500 00 | 2,512,500 00 |
| Adjacent to the northwest corner of Columbus Avenue and 86th Street | 500 00 | 2,102,500 00 |
| Adjacent to the northwest corner of Columbus Avenue and 87th Street | 500 00 | 2,062,500 00 |
| Adjacent to the northwest corner of Columbus Avenue and 88th Street | 500 00 | 1,837,000 00 |
| Adjacent to the northwest corner of Columbus Avenue and 89th Street | 500 00 | 1,734,500 00 |
| Adjacent to the southeast corner of Columbus Avenue and 95th Street | 500 00 | 2,081,000 00 |
| Adjacent to the southeast corner of West 10th Street and Greenwich Avenue | 600 00 | ..... |
| Adjacent to the southwest corner of West 10th Street and 6th Avenue | 600 00 | ..... |
| Adjacent to the northwest corner of 6th Avenue and 17th Street | 600 00 | 2,659,000 00 |
| Adjacent to the southwest corner of 6th Avenue and 19th Street | 600 00 | 3,224,700 00 |
| Adjacent to the northwest corner of 6th Avenue and 26th Street | 600 00 | 5,519,500 00 |
| Adjacent to the southwest corner of 6th Avenue and 30th Street | 600 00 | 3,857,500 00 |
| Adjacent to the northwest corner of 6th Avenue and 30th Street | 600 00 | 5,337,500 00 |
| Adjacent to the northwest corner of 6th Avenue and 31st Street | 600 00 | 6,127,000 00 |
| Adjacent to the northwest corner of 6th Avenue and 32nd Street | 600 00 | 8,281,500 00 |
| Adjacent to the northwest corner of 6th Avenue and 35th Street | 600 00 | 4,471,000 00 |
| Adjacent to the northwest corner of 6th Avenue and 36th Street | 500 00 | 2,826,000 00 |
| Adjacent to the northwest corner of 6th Avenue and 37th Street | 500 00 | 4,093,000 00 |

| Location. | Estimated Cost. | Assessed Valuation. |
|---|---|---|
| Adjacent to the northwest corner of 6th Avenue and 38th Street | 600 00 | 4,310,500 00 |
| Adjacent to the southeast corner of Lexington Avenue and 22nd Street | 600 00 | 1,930,000 00 |
| Adjacent to the northeast corner of Lexington Avenue and 22nd Street | 600 00 | ..... |
| Adjacent to the northeast corner of Lexington Avenue and 33rd Street | 600 00 | 1,486,500 00 |
| Adjacent to the northeast corner of Lexington Avenue and 35th Street | 500 00 | 1,137,500 00 |
| Adjacent to the southeast corner of Lexington Avenue and 39th Street | 500 00 | 1,324,500 00 |
| Adjacent to the southeast corner of Lexington Avenue and 40th Street | 500 00 | 1,588,300 00 |
| Adjacent to the northwest corner of 25th Street and 5th Avenue | 500 00 | 340,000 00 |
| Adjacent to the southeast corner of 25th Street and 6th Avenue and the northwest corner of Broadway and 24th Street | 1,100 00 | 8,266,000 00 |
| Adjacent to the southwest corner of 35th Street and Madison Avenue and the southeast corner of 35th Street and 5th Avenue | 1,100 00 | 14,450,000 00 |
| Adjacent to the southeast corner of 35th Street and 6th Avenue | 500 00 | 24,949,500 00 |
| Adjacent to the northwest corner of 39th Street and Madison Avenue | 600 00 | 6,986,500 00 |
| Adjacent to the southeast corner of 39th street and 6th Avenue | 600 00 | 15,559,000 00 |
| Adjacent to the southeast corner of Bennett Avenue and 184th Street | 600 00 | 645,000 00 |
| Adjacent to the southeast corner of 51st Street and 2nd Avenue | 500 00 | 944,000 00 |
| Adjacent to the southwest corner of 51st Street and 2nd Avenue and to the southeast corner of 3rd Avenue and 51st Street | 1,100 00 | 920,000 00 |
| Adjacent to the southeast corner of Houston Street and Varick Street | 500 00 | 646,500 00 |
| Adjacent to the northeast corner of Houston Street and Varick Street | 600 00 | 604,500 00 |
| Adjacent to the southeast corner of King Street and Hudson Street | 600 00 | 512,500 00 |
| Adjacent to the northeast corner of 95th Street and 5th Avenue | 500 00 | 1,848,000 00 |
| Adjacent to the southwest corner of 124th Street and 1st Avenue | 600 00 | 656,200 00 |
| Adjacent to the northwest corner of 124th Street and 1st Avenue | 600 00 | 805,000 00 |
| Adjacent to the northwest corner of 124th Street and 2nd Avenue | 600 00 | 1,280,000 00 |
| Adjacent to the southwest corner of 161st Street and Fort Washington Avenue | 600 00 | 925,000 00 |
| Adjacent to the northwest corner of 161st Street and Fort Washington Avenue | 500 00 | 779,000 00 |
| Adjacent to the southwest corner of 171st Street and Fort Washington Avenue | 600 00 | 658,000 00 |
| Adjacent to the southwest corner of 172nd Street and Fort Washington Avenue | 600 00 | 197,500 00 |
| Adjacent to the northeast corner of 172nd Street and Haven Avenue and the southwest corner of 173rd Street and Fort Washington Avenue | 1,100 00 | 310,000 00 |
| Adjacent to the southeast corner of 190th Street and Wadsworth Avenue | 600 00 | 842,000 00 |
| Adjacent to the southwest corner of 68th Street and 1st Avenue | 500 00 | 328,000 00 |
| Adjacent to the southwest corner of 68th Street and 2nd Avenue | 500 00 | 1,194,000 00 |
| Adjacent to the northwest corner of 68th Street and 2nd Avenue | 500 00 | 1,025,000 00 |
| Adjacent to the southwest corner of 33rd Street and 9th Avenue | 500 00 | 1,583,500 00 |
| Adjacent to the southwest corner of 37th Street and 1st Avenue | 500 00 | 736,000 00 |
| Adjacent to the southwest corner of 39th Street and 8th Avenue | 600 00 | 1,822,000 00 |
| Adjacent to the northeast corner of 39th Street and 9th Avenue | 600 00 | 1,689,500 00 |
| Total | $44,200 00 | $186,148,700 00 |

The Secretary also presented a communication, dated September 1, 1915, from John H. DeLamater, of 63 West 71st Street, Borough of Manhattan, protesting against the construction of a receiving basin at the northwset corner of 8th Avenue and 123d Street.

The following was offered:

Whereas, the Board of Estimate and Apportionment, after a public hearing on August 26, 1915, adopted a resolution initiating proceedings for the construction of receiving basins adjacent to the southwest corner of 8th Avenue and 111th Street, Borough of Manhattan, and at about one hundred other points in said Borough, and directed that the entire cost and expense of said improvements be assessed upon the property deemed to be benefited thereby; and

Whereas, in pursuance of instructions received at the said meeting of August 26, 1915, the Chief Engineer of the Board has reported as to the necessity for the construction of the aforesaid receiving basins and advised that the work be limited at this time to the construction of eighty receiving basins; be it

Resolved, That the resolution adopted by the Board on August 26, 1915, initiating proceedings for the construction of receiving basins adjacent to the southwest corner of 8th Avenue and 111th Street, and at about one hundred other points, in the Borough of Manhattan, be and the same is hereby amended by limiting the authorization to the construction of receiving basins at the following points:

| Location. | Estimated Cost. | Assessed Valuation. |
|---|---|---|
| Construction of receiving basin adjacent to the southwest corner of 8th Avenue and 111th Street | $600 00 | $1,079,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 111th Street | 600 00 | 2,018,500 00 |
| Adjacent to the southwest corner of 8th Avenue and 112th Street | 500 00 | 764,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 112th Street | 500 00 | 2,022,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 113th Street | 600 00 | 751,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 113th Street | 500 00 | 817,500 00 |
| Adjacent to the southwest corner of 8th Avenue and 114th Street | 500 00 | 1,072,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 114th Street | 600 00 | 1,938,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 115th Street | 500 00 | 816,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 115th Street | 500 00 | 1,395,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 116th Street | 600 00 | 1,050,500 00 |
| Adjacent to the southeast corner of 8th Avenue and 116th Street | 500 00 | 1,919,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 117th Street | 500 00 | 819,500 00 |
| Adjacent to the southeast corner of 8th Avenue and 117th Street | 600 00 | 1,258,000 00 |
| Adjacent to the southwest corner of 8th Avenue and 118th Street | 500 00 | 1,006,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 118th Street | 600 00 | 845,500 00 |
| Adjacent to the southeast corner of 8th Avenue and 119th Street | 600 00 | 761,500 00 |
| Adjacent to the southwest corner of 8th Avenue and 120th Street | 500 00 | 810,000 00 |
| Adjacent to the southeast corner of 8th Avenue and 120th Street | 600 00 | 496,000 00 |
| Adjacent to the northwest corner of 8th Avenue and 123rd Street | 600 00 | 605,500 00 |
| Adjacent to the northwest corner of Columbus Avenue and 67th Street | 500 00 | ..... |
| Adjacent to the northwest corner of Columbus Avenue and 68th Street | 500 00 | 1,898,000 00 |
| Adjacent to the northwest corner of Columbus Avenue and 69th Street | 500 00 | 2,512,500 00 |
| Adjacent to the northwest corner of Columbus Avenue and 86th Street | 500 00 | 2,102,500 00 |
| Adjacent to the northwest corner of Columbus Avenue and 87th Street | 500 00 | 2,062,500 00 |
| Adjacent to the northwest corner of Columbus Avenue and 88th Street | 500 00 | 1,837,000 00 |
| Adjacent to the northwest corner of Columbus Avenue and 89th Street | 500 00 | 1,734,500 00 |
| Adjacent to the southeast corner of Columbus Avenue and 95th Street | 500 00 | 2,081,000 00 |
| Adjacent to the southeast corner of West 10th Street and Greenwich Avenue | 600 00 | ..... |
| Adjacent to the southwest corner of West 10th Street and 6th Avenue | 600 00 | ..... |
| Adjacent to the northwest corner of 6th Avenue and 17th Street | 600 00 | 2,659,000 00 |
| Adjacent to the southwest corner of 6th Avenue and 19th Street | 600 00 | 3,224,700 00 |
| Adjacent to the northwest corner of 6th Avenue and 26th Street | 600 00 | 5,519,500 00 |
| Adjacent to the southwest corner of 6th Avenue and 30th Street | 600 00 | 3,857,500 00 |
| Adjacent to the northwest corner of 6th Avenue and 30th Street | 600 00 | 5,337,500 00 |
| Adjacent to the northwest corner of 6th Avenue and 31st Street | 600 00 | 6,127,000 00 |
| Adjacent to the northwest corner of 6th Avenue and 32nd Street | 600 00 | 8,281,500 00 |
| Adjacent to the northwest corner of 6th Avenue and 35th Street | 600 00 | 4,471,000 00 |
| Adjacent to the northwest corner of 6th Avenue and 36th Street | 500 00 | 2,826,000 00 |
| Adjacent to the northwest corner of 6th Avenue and 37th Street | 500 00 | 4,093,000 00 |
| Adjacent to the northwest corner of 6th Avenue and 38th Street | 600 00 | 4,310,500 00 |
| Adjacent to the southeast corner of Lexington Avenue and 22nd Street | 600 00 | 1,930,000 00 |
| Adjacent to the northeast corner of Lexington Avenue and 22nd Street | 600 00 | ..... |
| Adjacent to the northeast corner of Lexington Avenue and 33rd Street | 600 00 | 1,486,500 00 |
| Adjacent to the northeast corner of Lexington Avenue and 35th Street | 500 00 | 1,137,500 00 |
| Adjacent to the southeast corner of Lexington Avenue and 39th Street | 500 00 | 1,324,500 00 |
| Adjacent to the southeast corner of Lexington Avenue and 40th Street | 500 00 | 1,588,300 00 |
| Adjacent to the northwest corner of 25th Street and 5th Avenue | 500 00 | 340,000 00 |
| Adjacent to the southeast corner of 25th Street and 6th Avenue and the northwest corner of Broadway and 24th Street | 1,100 00 | 8,266,000 00 |
| Adjacent to the southwest corner of 35th Street and Madison Avenue and the southeast corner of 35th Street and 5th Avenue | 1,100 00 | 14,450,000 00 |
| Adjacent to the southeast corner of 35th Street and 6th Avenue | 500 00 | 24,949,500 00 |
| Adjacent to the northwest corner of 39th Street and Madison Avenue | 600 00 | 6,986,500 00 |
| Adjacent to the southeast corner of 39th Street and 6th Avenue | 600 00 | 15,559,000 00 |
| Adjacent to the southeast corner of Bennett Avenue and 184th Street | 600 00 | 645,000 00 |
| Adjacent to the southeast corner of 51st Street and 2nd Avenue | 500 00 | 944,000 00 |
| Adjacent to the southwest corner of 51st Street and 2nd Avenue and to the southeast corner of 3rd Avenue and 51st Street | 1,100 00 | 920,000 00 |
| Adjacent to the southeast corner of Houston Street and Varick Street | 500 00 | 646,500 00 |
| Adjacent to the northeast corner of Houston Street and Varick Street | 600 00 | 604,500 00 |
| Adjacent to the southeast corner of King Street and Hudson Street | 600 00 | 512,500 00 |
| Adjacent to the northeast corner of 95th Street and 5th Avenue | 500 00 | 1,848,000 00 |
| Adjacent to the northeast corner of 95th Street and 5th Avenue | 500 00 | 1,848,000 00 |
| Adjacent to the southwest corner of 124th Street and 1st Avenue | 600 00 | 656,200 00 |
| Adjacent to the northwest corner of 124th Street and 1st Avenue | 600 00 | 805,000 00 |
| Adjacent to the northwest corner of 124th Street and 2nd Avenue | 600 00 | 1,280,000 00 |
| Adjacent to the southwest corner of 161st Street and Fort Washington Avenue | 600 00 | 925,000 00 |
| Adjacent to the northwest corner of 161st Street and Fort Washington Avenue | 500 00 | 779,000 00 |
| Adjacent to the southwest corner of 171st Street and Fort Washington Avenue | 600 00 | 658,000 00 |
| Adjacent to the southwest corner of 172nd Street and Fort Washington Avenue | 600 00 | 197,500 00 |
| Adjacent to the northeast corner of 172nd Street and Haven Avenue and the southwest corner of 173rd Street and Fort Washington Avenue | 1,100 00 | 310,000 00 |
| Adjacent to the southeast corner of 190th Street and Wadsworth Avenue | 600 00 | 842,000 00 |

| Location. | Estimated Cost. | Assessed Valuation. |
|---|---|---|
| Adjacent to the southwest corner of 68th Street and 1st Avenue | 500 00 | 328,000 00 |
| Adjacent to the southwest corner of 68th Street and 2nd Avenue | 500 00 | 1,194,000 00 |
| Adjacent to the northwest corner of 68th Street and 2nd Avenue | 500 00 | 1,025,000 00 |
| Adjacent to the southwest corner of 33rd Street and 9th Avenue | 500 00 | 1,583,500 00 |
| Adjacent to the southwest corner of 37th Street and 1st Avenue | 500 00 | 736,000 00 |
| Adjacent to the southwest corner of 39th Street and 8th Avenue | 600 00 | 1,822,000 00 |
| Adjacent to the northeast corner of 39th Street and 9th Avenue | 600 00 | 1,689,500 00 |
| Total | $44,200 00 | $186,148,700 00 |

Which was adopted by the following vote:

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

*Bureau of Contract Supervision.*

**Board of Estimate and Apportionment—Report of Work Performed by Central Testing Laboratory During the Month of July, 1915 (Cal. No. 65).**

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, August 28, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—I submit herewith in tabulated form a report of the work performed under my direction by the Central Testing Laboratory, Bureau of Contract Supervision, Board of Estimate and Apportionment, during the month of July, 1915, together with a departmental summary.

There were submitted for analysis and examination during the month of July 587 samples of supplies and materials of construction, the majority of which were obtained by the regular corps of samplers attached to the Central Testing Laboratory.

Of the samples submitted for examination under specifications or standards, 43.3 per cent. complied with the specifications, while 56.7 per cent. failed to comply.

The routine examinations during the month are comprehensively given in the attached schedule.

The special and research work carried on during the month consisted of the following:

*Bellevue and Allied Hospitals.*

Tests of extra heavy iron pipe, completed.

Research completed on metal chart tablets.

*City Record, Board of.*

Research completed on samples of blotting paper.

*Correction, Department of.*

Study and examination of mattress wire, continued.

*Docks and Ferries, Department of.*

Study continued on methods of testing samples of rope.

Examination completed on samples of carbolineum.

*Estimate and Apportionment, Board of, 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; specifications were also reviewed.

Research work completed and reports made on samples of absorbent lint, absorbent and non-absorbent cottons, rubber hot-water bags, invalid rings, ice caps, Kelly pads and steel shovels.

The following classes of research work were taken up or continued:

Spool and crochet cottons, flax, artificial leather, rubber hospital supplies, harness soap, sponges, steel surgical instruments, machine thread and chemical reagents.

*Fire Department.*

Examination continued on samples of iron bars.

Examination completed and reports made on samples of liquid cement, galvanized sheet iron, iron pipe, metal fireproof door, tool steel, insulating tape, turpentine substitute and water

*Parks, Department of.*

Examination continued on samples of waterproofing cement and waterproofing compound.

*Police Department.*

Analyzing and furnishing expert testimony on samples of narcotics taken from prisoners in connection with the Boylan anti-drug law. Also chemical examination of alcoholic beverages, poisons, alleged explosives, the furnishing of court testimony and study of physiological problems in connection with criminal prosecutions.

Samples analyzed during the month of July are as follows:

| | |
|---|---|
| Samples received | 119 |
| Samples analyzed | 117 |
| Samples on hand August 1, not analyzed | 2 |
| Appearances in court as witnesses by chemists of our forensic staff | 284 |

Special Squad No. 1, 2 narcotics; Special Squad No. 2, 4 narcotics; Special Squad No. 3, 55 narcotics; Special Squad No. 4, 1 narcotic; Detective Bureau, 12 narcotics, 1 poison, 1 physiological exhibit, 1 alleged explosive; 1st Inspection District, 2 narcotics; 2nd Inspection District, 7 narcotics; 4th Inspection District, 3 narcotics; 5th Inspection District, 5 narcotics, 1 wine; 6th Inspection District, 6 narcotics; 7th Inspection District, 3 narcotics; 9th Inspection District, 1 narcotic; 10th Inspection District, 1 narcotic; 11th Inspection District, 2 narcotics; 12th Inspection District, 4 narcotics; 14th Precinct, 1 narcotic; 16th Precinct, 1 narcotic; 22nd Precinct, 1 narcotic; 33rd Precinct, 1 narcotic; 39th Precinct, 2 narcotics; 61st Precinct, 2 narcotics; 63rd Precinct, 1 narcotic; 152nd Precinct, 1 narcotic; 160th Precinct, 2 narcotics; 163rd Precinct, 1 narcotic.

Totals—Narcotics, 121; poison medicine, 1; alcoholic beverages, 1; physiological exhibit, 1; explosives, 1—125.

*Public Charities, Department of.*

Examination completed and report made on samples of feathers for pillows.

*Street Cleaning, Department of.*

Examination completed and report made on samples of brass coupling and axle steel.

*President, Borough of Manhattan.*

Determination of comparative physical qualities of granite bluestone curbing, being continued.

*President, Borough of The Bronx.*

Examination completed and reports made on samples of granite and blueprint paper.

Study being continued on samples of asphaltic and tar road oils.

*President, Borough of Richmond.*

Research being continued on samples of wood and granite paving blocks, and on trap rock for macadamizing and concrete construction.

For your information, a synopsis of the coal register for the month of July, 1915, is also enclosed, showing a total saving to the City of $4,245.12 during that month.

Respectfully, TILDEN ADAMSON, Director.

(Tabulated form of report referred to is on file.)

## LOCAL IMPROVEMENTS.

### Preliminary Authorization.

*Borough of Brooklyn.*

**Kings Highway from East 16th Street to East 17th Street, Borough of Brooklyn—Sewer (Cal. No. 66).**

The Secretary presented a resolution adopted on August 12, 1915, by the Local Board of the Flatbush District, Borough of Brooklyn, initiating proceedings for this improvement; and the following report of the Chief Engineer;

Report No. 14925. September 11th, 1915.

*Hon. JOHN PURROY MITCHEL, Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a resolution of the Local Board of the Flatbush District, Borough of Brooklyn, adopted on August 12th, 1915, initiating proceedings for constructing a sewer in Kings Highway from East 16th Street to East 17th Street.

This resolution affects one block or about 200 feet of Kings Highway. A proceeding for acquiring title to the street, from Ocean Parkway to Flatbush Avenue, together with a number of other streets, was instituted by the Board of Estimate and Apportionment on December 15th, 1910, and the oaths of the Commissioners of Estimate and Assessment were filed on November 22nd, 1911. Title to the land within the street lines can be vested in the City at any time, but it would seem unnecessary to take such action for the reason that the existing highway is undoubtedly fully dedicated to public use, and has a width adequate for the purposes of the desired construction.

In a communication bearing date of September 2nd, 1915, the Borough President has requested that a report upon this matter be presented for the consideration of the Board at its next meeting, stating that the sewer is urgently needed to provide drainage for apartment houses that will be completed by November 1st. The work is petitioned for by two property owners representing about 34 per cent. of the frontage, which, in the interior lots, is assessed as having a value, excluding buildings, of $125 per linear foot.

The work is estimated to cost about $1,000, and it is estimated that the corresponding assessment on each side will amount to about $2.50 per front foot. The assessed valuation of the property to be benefited is reported to be $40,600.

An inspection of the ground shows that the street is macadamized for a portion of its width, and that the curbing and flagging have been provided on the southerly side where five three-story brick apartment houses are now under construction and nearing completion. The outlet sewer is built.

The necessity of immediately providing for the drainage of this street is quite apparent, and it would appear that in conformity with the rules of the Board, preliminary authorization of this improvement might properly be now given, such action being recommended. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following was offered:

Whereas, the President of the Borough of Brooklyn has transmitted to the Board of Estimate and Apportionment a copy of a resolution of the Local Board of the Flatbush District, duly adopted by said Board on the 12th day of August, 1915, and approved by the President of the Borough of Brooklyn on the 14th day of August, 1915, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to construct a sewer in Kings Highway, from East 16th Street to East 17th Street."

—and which resolution is accompanied with an approximate estimate of the cost of the work and the assessed value of the property benefited.

Resolved, That the Board of Estimate and Apportionment hereby authorizes the President of the Borough of Brooklyn to prepare plans, specifications and an estimate of cost based on actual survey, and also to secure a determination of the boundary of the district of assessment; the entire expense of the work done subsequent to the date of this authorization to be charged against the Street Improvement Fund and later included in the assessment.

Resolved, That the Board of Estimate and Apportionment will consider the authorization of the construction of the said proposed improvement after the President of the Borough of Brooklyn has submitted a statement showing that all of the above described work has been done, that he has secured the approval of the form of contract by the Corporation Counsel, that he is prepared to place the improvement under contract as soon as he receives the consent of the Board, and that the assessment map will be completed on or before the date of payment on acceptance; this report being accompanied by a further statement showing the quantity of work to be performed under each item and the unit price thereof, the expense incurred for preliminary work, the allowance to be made for additional engineering and contingencies, the total probable cost, and the number of working days to be allowed the contractor for carrying out the work.

Which was adopted by the following vote:

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

### Final Authorization.

*Borough of Brooklyn*

The Secretary presented the following report of the Chief Engineer relating to Calendar Nos. 67 to 71 inclusive:

Report No 14918. September 13, 1915.

*Hon. JOHN PURROY MITCHEL, Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith are transmitted communications from the President of the Borough of Brooklyn, advising that all of the conditions imposed by the Board prior to the authorization of the following local improvements have been complied with:

1. Grading, curbing and flagging 23rd Avenue from Cropsey Avenue to 86th Street.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 29, 1915, at which time information was presented to show that its probable cost would be about $11,800. The Borough President states that the time to be allowed for the completion of the improvement is 90 days, and that the expense incurred for the preliminary work amounts to $132.86.

The work to be done comprises the following: 10,710 cubic yards filling, 4,290 linear feet cement curbing, 16,970 square feet cement sidewalk. The cost of the improvement is now estimated to be $10,200.

2. Grading, curbing and flagging Bay 34th Street from 86th Street to Cropsey Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 29, 1915, at which time information was presented to show that its probable cost would be about $17,000. The Borough President states that the time to be allowed for the completion of the improvement is 130 days, and that the expense incurred for the preliminary work amounts to $91.17.

The work to be done comprises the following: 18,100 cubic yards filling, 4,490 linear feet cement curbing, 21,650 square feet cement sidewalk. The cost of the improvement is now estimated to be $14,400.

3. Paving with asphalt (permanent pavement) Dumont Avenue from Cleveland Street to Ashford Street.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on August 26, 1915, at which time information was presented to show that its probable cost would be about $1,600. The Borough President states that the time to be allowed for the completion of the improvement is 20 days, and that the expense incurred for the preliminary work amounts to $12.17.

The work to be done comprises the laying of 915 square yards of asphalt pavement. The cost of the improvement is now estimated to be $1,500.

4. Grading the sidewalk spaces and flagging where necessary Lincoln Place from Buffalo Avenue to Rochester Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on August 26, 1915, at which time information was presented to show that its probable cost would be about $800. The Borough President states that the time to be allowed for the completion of the improvement is 20 days, and that the expense incurred for the preliminary work amounts to $15.40.

The work to be done comprises the following: 53 cubic yards excavation, 4,100 square feet cement sidewalk. The cost of the improvement is now estimated to be $700.

5. Grading, curbing and paving with asphalt (permanent pavement) Williams Avenue from Hegeman Avenue to Vienna Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on August 26, 1915, at which time information was presented to show that its probable cost would be about $5,300. The Borough President states that the time to be allowed for the completion of the improvement is 30 days, and that the expense incurred for the preliminary work amounts to $55.58.

The work to be done comprises the following: 360 cubic yards excavation;

450 cubic yards filling; 1,220 linear feet cement curbing; 1,985 square yards asphalt pavement. The cost of the improvement is now estimated to be $4,200.

The urgency of these improvements was established at the time when the preliminary authorizations were granted, and it is recommended that the construction work be now authorized.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

**23d Avenue, from Cropsey Avenue to 86th Street, Brooklyn—Regulating and Grading (Cal. No. 67).**

The following was offered:

A copy of a resolution of the Local Board of the Flatbush District duly adopted by said Board on the 6th day of July, 1914, and approved by the President of the Borough of Brooklyn on the 15th day of June, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to regulate, grade, set curb and lay cement sidewalks on 23rd Avenue, from Cropsey Avenue to 86th Street;"

—and thereupon, on the 29th day of July, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Brooklyn had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Brooklyn, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $10,200, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $240,950 having also been presented, it is

Resolved, that the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

**Bay 34th Street, from 86th Street to Cropsey Avenue, Brooklyn—Regulating and Grading (Cal. No. 68).**

The following was offered:

A copy of a resolution of the Local Board of the Flatbush District duly adopted by said Board on the 23rd day of June, 1915, and approved by the President of the Borough of Brooklyn on the 21st day of July, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to regulate, grade, set cement curb, and lay cement sidewalks on Bay 34th Street, from 86th Street to Cropsey Avenue;"

—and thereupon, on the 29th day of July, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Brooklyn had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Brooklyn, as appears by papers and documents on the files of the Board of Estimate and Apportionment and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $14,400, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $155,250 having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

**Dumont Avenue, from Cleveland Street to Ashford Street, Brooklyn—Paving (Cal. No. 69).**

The following was offered:

A copy of a resolution of the Local Board of the New Lots District, duly adopted by said Board on the 20th day of January, 1915, and approved by the President of the Borough of Brooklyn on the 11th day of August, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the New Lots District hereby initiates proceedings to lay a permanent asphalt pavement on Dumont Avenue, between Cleveland Street and Ashford Street;"

—and thereupon, on the 26th day of August, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Brooklyn had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Brooklyn, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or inmprovement, together with the preliminary expenses, will be the sum of $1,500, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $35,300 having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

**Lincoln Place, from Buffalo Avenue to Rochester Avenue, Brooklyn—Grading Sidewalk Spaces and Flagging (Cal. No. 70).**

The following was offered:

A copy of a resolution of the Local Board of the New Lots District duly adopted by said Board on the 20th day of January, 1915, and approved by the President of the Borough of Brooklyn on the 11th day of August, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the New Lots District hereby initiates proceedings to grade the sidewalk space and lay cement sidewalks where not already provided for on Lincoln Place, between Buffalo and Rochester Avenues."

—and thereupon, on the 26th day of August, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey, and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Brooklyn had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Brooklyn, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed, that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $700; and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $158,800, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

**Williams Avenue, from Hegeman Avenue to Vienna Avenue, Brooklyn—Grading, Curbing and Paving (Cal. No. 71).**

The following was offered:

A copy of a resolution of the Local Board of the New Lots District duly adopted by said Board on the 2nd day of June, 1915, and approved by the President of the Borough of Brooklyn on the 11th day of August, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the New Lots District hereby initiates proceedings to regulate, grade, set cement curb and lay a permanent asphalt pavement on Williams Avenue, from Hegeman Avenue to Vienna Avenue."

—and thereupon, on the 26th day of August, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey, and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Brooklyn had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Brooklyn, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed, that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $4,200, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $22,800, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

**Kings Highway, from East 16th Street to East 17th Street, Brooklyn—Sewer (Cal. No. 72).**

The Secretary presented the following report of the Chief Engineer:

Report No. 14926. September 13, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the President of the Borough of Brooklyn, advising that all of the conditions which it is the practice of the Board to impose prior to the final authorization of local improvements have been complied with in the matter of the following:

Sewer in Kings Highway from East 16th Street to East 17th Street.

The Borough President states that the time to be allowed for the completion o. this improvement is 30 days, and that no charges have been made against the Stree: Improvement Fund for the preliminary work.

The work to be done comprises the following: 218 linear feet 12-inch pipe sewer, 218 linear feet 8-inch pipe sewer, 4 manholes. The cost of the improvement is estimated to be $1,200.

A report intended to establish the urgency of this improvement and recommending that preliminary authorization be granted is now before the Board for consideration. Assuming that it will meet with approval, there seems to be no reason to prevent the final authorization now requested, and such action is recommended. Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following was offered:

A copy of a resolution of the Local Board of the Flatbush District duly adopted by said Board on the 12th day of August, 1915, and approved by the President of the Borough of Brooklyn on the 14th day of August, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the Flatbush District hereby initiates proceedings to construct a sewer in Kings Highway, from East 16th Street to East 17th Street."

—and thereupon, on the 17th day of September, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey, and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Brooklyn had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Brooklyn, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed, that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $1,200; and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $40,600, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

*Borough of Queens.*

**Maure Avenue, from Wisner Place to Metropolitan Avenue; Jamaica Avenue, from North Vine Street to Ellsworth Avenue, and Ridgewood Avenue, from Maure Avenue to North Curtis Avenue, Queens—Sewers (Cal. No. 73).**

The Secretary presented the following report of the Chief Engineer:

Report No. 14919. September 13, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Acting President of the

Borough of Queens, advising that all of the conditions imposed by the Board prior to the authorization of the following local improvement have been complied with:

Sewers in the following streets: Maure Avenue from Wisner Place to Metropolitan Avenue; Jamaica Avenue from North Vine Street to Ellsworth Avenue; Ridgewood Avenue from Maure Avenue to North Curtis Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on February 5, 1915, at which time information was presented to show that its probable cost would be about $51,700. The Acting Borough President states that the time to be allowed for the completion of the improvement is 200 days, and that the expense incurred for the preliminary work amounts to $716.11.

The work to be done comprises the following: 272 linear feet 6 ft. 6 in. reinforced concrete sewer; 568 linear feet 5 ft. 9 in. reinforced concrete sewer; 802 linear feet 4 ft. 0 in. reinforced concrete sewer; 1,000 linear feet 3 ft. 6 in. concrete sewer; 412 linear feet 3 ft. 3 in. concrete sewer; 972 linear feet 2 ft. 9 in. concrete sewer; 270 linear feet 22 in. pipe sewer; 253 linear feet 20 in. pipe sewer; 302 linear feet 18 in. pipe sewer; 301 linear feet 15 in. pipe sewer; 1,042 linear feet 12 in. pipe sewer; 44 manholes; 27 receiving basins; 5 junction chambers. The cost of the improvement is now estimated to be $48,700.

The urgency of this improvement was established at the time when the preliminary authorization was given, and it is recommended that the construction work be now authorized. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following was offered:

A copy of a resolution of the Local Board of the Jamaica District, duly adopted by said Board on the 3rd day of May, 1912, and approved by the President of the Borough of Queens on the 23rd day of May, 1912, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"For the construction of a sewer and appurtenances in Maure Avenue, from Wisner Place to Metropolitan Avenue; in Jamaica Avenue, from North Vine Street to Ellsworth Avenue and in Ridgewood Avenue, from Maure Avenue to North Curtis Avenue; Fourth Ward of the Borough of Queens."

—and thereupon, on the 5th day of February, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Queens to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Queens had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Queens, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $48,700; and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $2,288,995, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

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*Borough of Richmond.*

The Secretary presented the following report of the Chief Engineer relating to Calendar Nos. 74 to 76 inclusive:

Report No. 14928. September 13, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith are transmitted communications from the President of the Borough of Richmond, advising that all of the conditions imposed by the Board prior to the authorization of the following local improvements have been complied with.

1. Grading, curbing, flagging and reflagging, constructing brick gutters (permanent pavement), and paving with bituminous macadam (preliminary pavement) Barrett Boulevard from Duer Lane to Havenwood Road.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 29, 1915, at which time information was presented to show that its probable cost would be about $17,600. The Borough President states that the time to be allowed for the completion of the improvement is 90 days, and that the expense incurred for the preliminary work amounts to $238.91.

The work to be done comprises the following: 4,300 cubic yards excavation; 3,890 linear feet cement curbing; 900 square yards brick gutter; 12,000 square feet cement sidewalk; 2,600 square feet sidewalk relaid; 8,800 square yards bituminous macadam pavement. The cost of the improvement is now estimated to be $17,700.

2. Grading, curbing, flagging, reflagging, constructing brick gutters (permanent pavement), and paving with bituminous macadam (preliminary pavement), Havenwood Road from Barrett Boulevard to Castleton Avenue.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 29, 1915, at which time information was presented to show that its probable cost would be about $3,800. The Borough President states that the time to be allowed for the completion of the improvement is 60 days, and that the expense incurred for the preliminary work amounts to $81.45.

The work to be done comprises the following: 756 cubic yards excavation; 930 linear feet cement curbing; 3,000 square feet cement sidewalk; 1,000 square feet sidewalk relaid; 390 square yards brick gutter; 1,264 square yards bituminous macadam pavement. The cost of the improvement is now estimated to be $3,700.

3. Grading, curbing, flagging, reflagging, constructing brick gutters (permanent pavement) and paving with bituminous macadam (preliminary pavement) Frelinghuysen Road from Duer Lane to Havenwood Road.

The preliminary work for this improvement was authorized by the Board of Estimate and Apportionment on July 29, 1915, at which time information was presented to show that its probable cost would be about $9,200. The Borough President states that the time to be allowed for the completion of the improvement is 80 days, and that the expense incurred for the preliminary work amounts to $104.09.

The work to be done comprises the following: 1,204 cubic yards excavation; 2,750 linear feet cement curbing; 4,500 square feet cement sidewalk; 6,500 square feet sidewalk relaid; 725 square yards brick gutter; 3,610 square yards bituminous concrete pavement. The cost of the improvement is now estimated to be $8,600.

The urgency of these improvements was established at the time when the preliminary authorizations were given, and it is recommended that the construction work be now authorized. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

**Barrett Boulevard, from Duer Lane to Havenwood Road, Richmond—Grading, Curbing, Flagging, Reflagging, Constructing Brick Gutters and Paving (Cal. No. 74).**

The following was offered:

A copy of a resolution of the Local Board of the Staten Island District, duly adopted by said Board on the 30th day of March, 1915, and approved by the President of the Borough of Richmond on the 31st day of March, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To regulate and grade Barrett Boulevard, from Duer Lane to the west house line of Havenwood Road, in the First Ward; to pave the roadways thereof with bituminous macadam (preliminary pavement); lay vitrified brick gutters (permanent pavement); build cement curb with steel nosing; lay, renew or relay cement sidewalk, and to do all work incidental thereto."

—and thereupon, on the 29th day of July, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Richmond to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Richmond had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Richmond, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $17,700, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $89,250, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

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**Havenwood Road, from Barrett Boulevard to Castleton Avenue, Richmond—Grading, Curbing, Flagging, Reflagging, Constructing Brick Gutters and Paving (Cal. No. 75).**

The following was offered:

A copy of a resolution of the Local Board of the Staten Island District duly adopted by said Board on the 30th day of March, 1915, and approved by the President of the Borough of Richmond on the 31st day of March, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To regulate and grade Havenwood road, from Barrett Boulevard to Castleton Avenue, in the First Ward; to pave the roadway thereof with bituminous macadam (preliminary pavement); lay vitrified brick gutters (permanent pavement); build cement curb with steel nosing; lay, relay or renew cement sidewalk, and to do all work incidental thereto."

—and thereupon, on the 29th day of July, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Richmond to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey, and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Richmond had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Richmond, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $3,700, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $96,070, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

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**Frelinghuysen Road, from Duer Lane to Havenwood Road, Richmond—Grading, Curbing, Flagging, Reflagging, Constructing Brick Gutters and Paving (Cal. No. 76).**

The following was offered:

A copy of a resolution of the Local Board of the Staten Island District duly adopted by said Board on the 30th day of March, 1915, and approved by the President of the Borough of Richmond on the 31st day of March, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That this Board does hereby initiate proceedings for the said local improvement, to wit:

"To regulate and grade Frelinghuysen Road, from Duer Lane to Havenwood Road, in the First Ward; to pave the roadway thereof with bituminous macadam (preliminary pavement); lay vitrified brick gutters (permanent pavement); build cement curb with steel nosings; lay, relay or renew cement sidewalks, and to do all work incidental thereto."

—and thereupon, on the 29th day of July, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Richmond to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey, and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Richmond had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Richmond, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $8,600, and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $102,230, having also been presented it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

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## COMMUNICATIONS, PETITIONS, ETC.

### From Citizens and Public Bodies.

**Board of Estimate and Apportionment; Department of Docks and Ferries—Appointment of a Commission to Study and Prepare Plans for a System of Freight Terminals (Cal. No. 77).**

The Secretary presented a communication, dated August 23, 1915, from the Throggs Neck Taxpayers' Association, protesting against the organization of the proposed Board or Commission of Engineers and Experts to make a study of a modern and more efficient system of freight terminals, in view of the necessity of appropriations for transit facilities and other urgent improvements, delayed because of the inadequacy of the City's finances.

(On August 26, 1915 (Cal. No. 87), the report of the Committee on Port and Terminal Facilities relative to the appointment of the above Board or Commission was approved by the Board.)

The matter was referred to the Committee on Port and Terminal Facilities.

**Department of Docks and Ferries—Improvement of Waterfront, Borough of Queens (Cal. No. 78).**

The Secretary presented a communication, dated September 2, 1915, from the Secretary of the Chamber of Commerce of the Borough of Queens, enclosing copy of letter addressed to the Comptroller, Chairman of the Committee on Port and Terminal Facilities, relative to the improvement of the waterfront of the Borough of Queens.

Which were referred to the Committee on Port and Terminal Facilities.

**Department of Water Supply, Gas and Electricity—Installation of Drinking Fountains on Fire Hydrants Throughout the City (Cal. No. 79).**

The Secretary presented a communication, dated September 9, 1915, from the Chelsea Neighborhood Association, urging the granting of the request of the Commissioner of Water Supply, Gas and Electricity, for an appropriation in the Budget for the year 1916, of $2,000 for the installation of drinking fountains on fire hydrants throughout the City.

Which was referred to the Committee on Tax Budget.

**National Guard and Naval Militia, New York County, Eighth Coast Defense Command—Retirement of Robert B. Breen, Armorer (Cal. No. 80).**

The Secretary presented a communication, dated September 2, 1915, from Col. C. F. Austin of the Eighth Coast Defense Command, requesting the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of Robert B. Breen, Armorer of said Command.

Which was referred to the Committee on Salaries and Grades.

**Department of Education—Proposed Erection of School Buildings with Private Capital (Cal. No. 81).**

The Secretary presented a communication, dated September 14, 1915, from Hon. Cyrus C. Miller, suggesting, in view of the 50,000 pupils on part time, the wisdom of considering a plan of having private capital build the necessary school buildings, the City to pay an annual rent sufficient to return interest on the capital and to establish a sinking fund so that in time the capital invested can be amortized, the sites selected and the plans and specifications prepared by the City authorities as at present, but competition can be had to furnish the capital and erect the buildings.

Which was referred to the Committee on Education.

**J. Chr. G. Hupfel Brewing Company (Cal. No. 82).**

The Secretary presented a communication dated September 2, 1915, from the contractor for the J. Chr. G. Hupfel Brewing Company, stating the construction of the conduit under and across East 28th Street, between Second and Third Avenues, Borough of Manhattan, was completed August 25, 1915.

This consent was granted by resolution adopted by this Board June 25, 1915 (Cal. No. 75), approved by the Mayor June 29, 1915, and the notice is given in conformity with section 13 of the consent.

The communication was referred to the Bureau of Franchises.

**New York Railways Company (Cal. No. 83).**

The Secretary presented a communication dated August 31, 1915, from the Public Service Commission for the First District, transmitting certified copy of order adopted by the Commission August 31, 1915, extending the time to October 1, 1915, of the New York Railways Company within which to accept the order of the Commission as to the removal of tracks on South Street, James Slip and New Chambers Street, Borough of Manhattan.

Which was referred to the Bureau of Franchises.

**Ocean Electric Railway Company (Cal. No. 84).**

The Secretary presented a communication dated September 8, 1915, from the Public Service Commission for the First District transmitting certified copy of resolution adopted by said Commission September 8, 1915, directing a hearing on September 21, 1915, upon the application of the Ocean Electric Railway Company for the permission and approval of the Commission to the construction and operation of an extension of its street surface railroad upon private property of the Neponsit Realty Company, Borough of Queens.

Which was referred to the Engineer, Chief of Bureau of Franchises, to attend hearing.

**Pittsburg Contracting Company (Cal. No. 85).**

The Secretary presented a communication dated September 1, 1915, from the Trustee, Pittsburg Contracting Company, advising of the removal of the bridge over and across McCombs Road at its intersection with Aqueduct Avenue near 176th Street, Borough of The Bronx.

The consent to construct, maintain and operate this bridge was granted by resolution adopted November 9, 1911, approved by the Mayor November 15, 1911.

The communication was referred to the Bureau of Franchises.

**Department of Water Supply, Gas and Electricity—Additional Street Lighting Facilities on Garrison Avenue, Dongan Hills, Borough of Richmond (Cal. No. 86).**

The Secretary presented a communication, dated September 2, 1915, from George H. Wintermuth, complaining of the insufficient number of street lights on Garrison avenue, Dongan Hills, Borough of Richmond, and requesting that the conditions be remedied.

Which was referred to the Commisisoner of Water Supply, Gas and Electricity.

**Department of Education—Maintenance and Administration of Pension Fund for School Teachers and Other City Employees (Cal. No. 87).**

The Secretary presented a communication, dated August 23, 1915, from the Throgs Neck Taxpayers' Association, protesting against the City of New York taking any part or assuming any expense in connection with the reorganization of the pension fund for school teachers and suggesting that the entire burden of this fund be borne by the beneficiaries thereunder; also expressing approval of the stand taken by the Comptroller in conserving the financial interests of the City and urging the Board to require that all City pension funds be self-sustaining, the City, however, to have supervisory powers over the administration of such funds.

Which was ordered filed.

**Department of Docks and Ferries—Approval of Map of Harbor Lines for the Southwest Part of Jamaica Bay and for Mill and Gerritsen Basins, Rockaway Inlet and Sheepshead Bay, Boroughs of Brooklyn and Queens (Cal. No. 88).**

The Secretary presented a communication, dated September 13, 1915, from Captain Thomas M. Robins, Corps of Engineers, War Department, advising that under date of August 31, 1915, the Assistant Secretary of War approved a new map of harbor lines for the southwest part of Jamaica Bay and for Mill and Gerritsen Basins, Rockaway Inlet and Sheepshead Bay, Boroughs of Brooklyn and Queens, and enclosing blue print of the approved map.

Which were ordered filed.

**Public Service Commission for the First District—Approval of Work of Constructing Bridge Across the Tracks of the New York and Harlem Railroad at East 166th Street, Borough of The Bronx (Cal. No. 89).**

The Secretary presented a communication, dated September 8, 1915, from the Secretary of the Public Service Commission for the First District, transmitting certified copy of resolution adopted by the Commission on September 8, 1915, approving of the work of construction of the bridge across the tracks of the New York & Harlem Railroad Company at East 166th street, Borough of The Bronx, as ordered by the Commission on December 11, 1911.

Which were ordered filed.

## From City, Borough and County Officials.

**Police Department—Appropriation for Additional Patrolmen and Sergeants (Cal. No. 90).**

The Secretary presented a communication, dated September 3, 1915, from the Police Commissioner referring to the Departmental Estimate of the Police Department for the year 1916, which includes a request for funds for the employment of 250 additional Patrolmen and 25 additional Sergeants, and stating that an analysis is being made of an equitable distribution of the force with a view to meeting the needs of the City. In submitting the Departmental Estimate, the privilege is reserved of amending same with respect to the additional Patrolmen and Sergeants if the result of the study indicates the desirability of reducing or increasing the number requested.

Which was referred to the Committee on Tax Budget.

**President, Borough of Queens—Sewage Purification (Cal. No. 91).**

(On September 21, 1914 (Cal. No. 127), the President of the Borough of Queens submitted a report of Mr. Travis on the results of tests made in the laboratory on experimental use of an apparatus for the treatment, purification and disposal of sewage, patented by C. P. Landreth, which report was printed in the minutes and referred to the Sewer Plan Commission.)

The Secretary presented the following, which were ordered printed in the minutes and the matter was referred to the Bureau of Sewer Plan:

The City of New York, Office of the President of the Borough of Queens, Long Island City, September 9, 1915.

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

Gentlemen—On August 31st, 1914, I transmitted to the Board a report of certain experiments and investigations made at the Elmhusrt Sewer Disposal Plant with an electrolytic apparatus for the purification of sewage, which report was referred to the Bureau of Sewer Plan.

Subsequently there was installed for further investigation a larger electrolytic apparatus of the standard size for commercial use of a capacity of about one million gallons per day. These investigations were conducted by Mr. W. P. Mason, B. S., C. E., A. M., L. L. D.; Mr. J. C. Olsen, A. M., Ph. D.; Mr. C. O. Mailloux, E. E., M. S., D. Sc., in behalf of the Electro-Chemico Corporation, the owners of the apparatus As a condition, however, of permitting these experiments to be conducted, I required that no investigations would be permitted, unless they were duplicated by parallel tests and investigations of the Chemist of the Borough of Queens, Mr. P. M. Travis. These investigations were conducted during the months of April, May, June and July during which period the electrolytic apparatus was in continuous operation.

I am accordingly enclosing a report of Mr. P. M. Travis, the Chemist in charge of our laboratory, concerning said investigation, which report I would suggest be referred to the Bureau of Sewer Plan, with the view of considering and reporting on same, in order that if in the judgment of the Board of Estimate and Apportionment this apparatus should be installed the necessary appropriation might be made in the Budget of 1916.

Attention is also directed to the supplemental report of Mr. Martin F. Cody, Engineer in Charge of the Elmhurst Disposal Plant, from which report it appears that a material reduction in cost has been affected by said process.

I would also request that this report be printed in the minutes of the Board of Estimate and Apportionment. Very truly yours,

MAURICE E. CONNOLLY, President of the Borough of Queens.

The City of New York, Office of the President of the Borough of Queens, Long Island City, September 8, 1915.

*Hon.* MAURICE E. CONNOLLY, *President of the Borough of Queens:*

Sir—As instructed by you last April I have supervised the investigation of the Electro Chemical Process for sewage purification which was installed at the Elmhurst Disposal Plant and has been in continuous operation since early last spring. According to your instructions I have followed closely and participated in all tests conducted at the Disposal Plant and have duplicated the tests made in other laboratories.

Under the employ of the Electro Chemical Corporation, who requested this investigation, were Doctors W. P. Mason, J. C. Olsen and C. O. Mailloux, all gentlemen of high professional standing, and being well known in the chemical and electrical professions as authorities in their respective fields. You will find attached to this letter of transmissal a report made to the Electro Chemical Corporation signed by Doctors Mason, Olsen, Mailloux and myself which covers the cases in a more thorough manner than my previous report to you of August 31st, 1914.

Having served on this investigation and assisted in drafting the report, I hereby certify that the information contained therein is accurate and reliable and that the work of the gentlemen retained by the above mentioned company was conducted in a most scientific manner. In cases where estimates on cost, etc., have been made, they were compiled from the best information at hand during the period of this investigation. Yours very respectfully,

P. M. TRAVIS, Chemist in Charge of Laboratory.

*Report to Electro-Chemico Corporation on the Electrolytic Process of Sewage Treatment at the Sewage Disposal Plant, Elmhurst, Borough of Queens, City of New York.*

PURPOSE OF REPORT:

The purpose of this report is to present the results of an investigation made of the electrolytic process of sewage treatment in use at the Sewage Disposal Plant at Elmhurst, in the Borough of Queens, City of New York, which was conducted by the undersigned in April, May and June, 1915.

*Co-operation With the Borough of Queens, City of New York.*

It was necessary before starting this investigation at Elmhurst to co-operate with the President of the Borough of Queens, as orders had previously been issued to the effect that no one would be allowed to take samples from any of the Disposal Plants unless the Chemist of the Borough was present and carried on duplicate work in the Borough Laboratory, due to the fact that the work was carried on in one of the disposal plants of the Bureau of Sewers, Borough of Queens, and was of an official nature, having been previously reported upon while in experimental stages and entered in the minutes of the Board of Estimate and Apportionment.

Borough President, Hon. Maurice E. Connolly, directed Mr. P. M. Travis, Chemist of the Borough, to conduct parallel tests and co-operate with Doctors Mason, Olsen and Mailloux, and to represent the Borough in the conduct of all tests. Mr. Travis, therefore, took part in the drafting and formation of the report and conclusions of this investigation; a copy of this report being filed with the President of the Borough, who permitted us to make this investigation for information and reference in the future.

*Facilities.*

The more important chemical tests and bacteriological examinations required in connection with our investigation were made at two different chemical laboratories. Some minor and incidental chemical tests were made at the Disposal Plant. All the chemical and bacteriological tests were made by competent chemists and assistants, working under the direction and supervision of one or more of us. In some cases the tests were made only at one or at the other of the two laboratories. In other cases the same tests were conducted simultaneously at both laboratories. The results of tests and examinations made coincidently at both laboratories showed very close agreement. The instruments in use at the Elmhurst Disposal Plant, for making measurements of electrical voltage, current, power and energy, were supplemented by additional instruments to the extent necessary to secure accuracy and convenience in the various electrical measurements desired.

*Previous Investigations.*

Prior to the installation of the Landreth electrolytic apparatus now at the Elmhurst Sewage Disposal Plant, another Landreth apparatus of smaller capacity (25,000 gallons per day maximum capacity) had been in operation there for some months during the year 1914. The apparatus itself and the results of its operation were the subjects of special reports to the Borough President by the Borough Chemist (Mr. P. M. Travis), and the Borough Engineer of Maintenance (Dr. E. W. Firth). These reports and also some of the results of other investigations made of this small plant were available in connection with our investigation of the larger apparatus now in use at the plant.

*Collateral Investigations.*

During the course of our investigations of the electrolytic process at the Elmhurst Sewage Disposal Plant, information was procured by us in regard to treatment of sewage by various other methods; and in some cases special trips were made by some of us to examine sewage disposal plants operating by different methods.

We have also endeavored to acquaint ourselves as thoroughly as possible with what has been previously attempted and accomplished in application of electrolysis for sewage treatment. This was done by reviewing and summarizing the state of the art as we found it exhibited and set forth in patents and in technical descriptions and articles published in various periodicals.

*Requirements Considered.*

In our investigations of this and other methods and processes of sewage treat-

ment, the following points were borne in mind by us as criteria of their relative merits and value:

(a) The efficacy or adequacy of the particular method, process, apparatus or plant investigated, considered from the standpoint of the sewage purification actually accomplished, i. e., considering the ability of the particular method or process to purify sewage to a practical and satisfactory degree irrespective of the cost of doing the work.

(b) The cost of operation and service-giving results which may fairly be considered effective and satisfactory.

(c) The strong and weak points of the method or process.

(d) The range of adaptibility and applicability of the method or process to different local conditions.

(e) The industrial and commercial practicability of the method or process in the particular case, and also in the general case.

*Sub-division of the Report.*

The subjects covered in this report are discussed under the following heads:

I. Description of the electrolytic plant and process.

II. Results obtained with the electrolytic machine and with lime, under normal conditions of operation.

III. Results obtained with lime only.

IV. Results obtained when using lime and bleaching powder without electrolyzation.

V. Cost of operation, including:

(a) Electric current and power,
(b) Lime,
(c) Labor,
(d) Maintenance, supplies, etc.,
(e) Sludge.

VI. Discussion of processes and results and conclusions.

## I. Description of the Electrolytic Plant and Process.

*General Description of Process.*

The process in use at this plant comprises the following principal stages of operation:

1st—Screening.
2nd—Electrolytic treatment with addition of lime.
3rd—Sedimentation,
4th—Filter pressing of sludge.

The stages of operation to be described under headings 1, 3 and 4, are common to various other methods of sewage treatment.

The stage of operation to be described under the second heading is new and has not been previously employed in sewage treatment.

The plant at Elmhurst had been designed and constructed for another process and the sedimentation tanks especially were not well adapted for the electrolytic process.

### 1. *Screening.*

The raw sewage delivered by the mains into the receiving well passes through quarter inch screens on its way to the inlet of a centrifugal pump, whereby it is delivered to and passed through the electrolytic machine. The sewage is raised by the pump to an average height of 13½ feet to the electrolytic machine, and then to a constant height of 7½ feet to the sedimentation tanks.

### 2. *Electrolyzation.*

This operation is performed in an apparatus, the purpose of which is to accomplish the following results:

First, to subject every portion of the sewage to the action of electric currents suitable for producing electrolysis in the sewage; second, to introduce lime into the sewage in suitable quantity; third, to agitate the liquid for the purposes of:

(a) reducing the amount of "polarization" caused by electrolysis;

(b) keeping the active surfaces of the "electrodes" clear of deposits and obstructions from solid matter;

(c) causing the mixture of the liquid with the chemical reagent added thereto to be effected rapidly and completely.

The apparatus in use is designated on the name plate as No. C-24. It is of horizontal type, of nominal capacity of 500,000 gallons of sewage per day. It was installed recently at Elmhurst to replace the experimental apparatus of smaller capacity (25,000 gallons per day) of vertical type, already referred to. The operation of the plant was begun in March, 1915.

This apparatus consists of a wooden box, 23¼ feet in length and 3 feet in width and 2¾ feet in depth, resting upon a masonry foundation, and provided with a tight-fitting cover, held down by bolts; the sides, top and bottom of the tank being stiffened by angle irons. The sewage inlet of the apparatus is at one end, and the outlet is at the other.

The sewage to be treated is passed through the apparatus by a pump which takes it from the receiving well and delivers it to the inlet end of the apparatus. In passing from the inlet to the outlet of the apparatus, the sewage flows between numerous iron plates, which are placed parallel and close to each other inside the closed box, consequently, the liquid does not flow in one mass, but is subdivided into a large number of relatively thin "sheets." The plates which separate these sheets of sewage from each other also serve as electrical conductors or "electrodes" by means of which electrical currents capable of producing electrolysis are conveyed across the liquid sheets, through the sewage, with the result that one side of each liquid sheet is in contact with an "anode" surface and the other with a "cathode" surface. To insure thorough agitation of the sewage as it flows in the spaces between the electrode plates, mechanical stirrers, in the form of paddles of a non-conducting material, placed between these plates, are rotated in the planes of the liquid sheets.

The plates inside the apparatus are all in vertical planes, parallel with the sides of the tank, so that the "liquid sheets" of flow between the plates are all vertical. These liquid sheets are not continuous from the inlet to the outlet ends of the apparatus, because the plates are arranged in groups with spaces left between them.

The iron plates are all of the following dimensions: length, 16 inches; height, 10 inches; thickness, about 3-16 inch. They are grouped and assembled in sets, like the plates for an "element" or cell of a storage battery. The plates in each group are all parallel to each other, and they have approximately equal spaces between them (5/16″ to ⅜″). They are held together by bolts, which pass through all the plates, and through the insulating separators between them, and clamp them into a solid unit. When the sets of plates are in position in the tank, these bolts extend across the tank horizontally and support the plates which are then all in a vertical position, parallel with the sides of the tank, and occupy practically the entire available space across the tank. A set contains 50 plates (except in a few cases where the number is 1 or 2 less). There are sets of plates at 11 places or divisions in the tank between the inlet and the outlet; and there are two sets at each place, one above the other. This makes a total of 22 sets and (nearly) 1,100 plates. The two bolts just mentioned are also utilized as electrical terminals and conductors for the plates. This is done by insulating the even-numbered plates from one bolt, and connecting the odd-numbered plates with it; and doing the opposite for the other bolt. This is the arrangement used for the sets in the first section (counting from the inlet), and in the last six sections, or for a total of 14 sets. In these sets, the plates constitute, in each case, an "electrolyzing element" of 25 pairs of plates. In the other (4) divisions the arrangement is less simple. The (50) plates of each set are not electrically grouped and connected into a single element of 25 pairs of plates, but into *three* elements, each of *eights* pairs (or more), which are connected in *series*. It follows that the total number of "elements" in these four sections is 24 (i. e., 12 for the 4 upper sets and 12 for the 4 lower sets). Adding these to the 14 elements in the other divisions, the total is 38 elements.

In most of the tests the (38) elements were all connected in a simple series; in one test the (19) elements in the upper tier were connected by themselves in series, and likewise the (19) elements in the lower tier; and the two series were then connected in multiple. Various other combinations of series and multiple connection may be made, and were used in some of the tests. As the electrical connections between the sets of plates are made outside of the closed box, these combinations could be easily made.

When all the (38) elements are connected in series, there is a difference of 3 to 1 in the current density at the "large" elements (composed of 25 pairs) and at the "small" elements (composed of 8 pairs). The same current passes (theoretically) through all the elements in the series, and as the electrode surface is three times greater at the larger than at the smaller elements, the current per unit of surface will be only one-third as great at the larger as at the smaller elements.

*Source of Current.*

The current supply required for producing electrolysis is obtained from a D. C. generator of 5 K. W. capacity, which is direct driven by an A. C. induction motor.

The maximum current capacity of the generator is 40 amperes, and its maximum voltage is 125 volts. A watt-hour meter was specially connected in the mains between the D. C. generator and the switchboard for the purpose of the tests, to enable the D. C. output in watt-hours to be computed readily and accurately for given periods of time in connection with the tests.

*Mechanical Stirrers.*

In addition to the two holes in the electrode-plates for the bolts which serve to hold and support them, there are two other holes which make openings for the shafts upon which the paddles rotating in the spaces between the electrode-plates are mounted. There are two rotating shafts passing through each group of plates, and each shaft carries 49 paddles. This makes 98 paddles per group of plates, or a total of 2,156 paddles for the 22 groups. The (44) shafts are supported in bearings mounted in the sides of the tank. They pass through the side of the tank, and are driven by bevel gearings from four horizontal shafts, which receive power from a 3 H. P. induction-motor through reduction-gearing.

There is a double reduction-gear by which the speed of the clutch-shaft is reduced to 78 R. P. M. when the motor speed is 1,800. The horizontal shafts are geared to run at half this speed, and the paddle shafts are geared to run at half the speed of the horizontal shafts. Hence, if the motor ran without slip, the paddle shafts would have a speed of 19.5 R. P. M. Actual test showed that the speed of the paddle shafts was from 18 to 19 R. P. M., according to the "load" on the motor. The increase in load, noted at times, appears to be due to increased friction between the paddles and the electrode plates, owing to deposits on the plates. No injury to the paddles from mechanical or chemical action was noted at any time during the tests.

A centrifugal pump connected between the receiving well and the machine serves for forcing the sewage through the machine, and for raising it to the discharge flume.

The pump has to produce a suction of 12½ to 18½ feet, according to the height of the sewage in the receiving well and against a constant discharge head of 7½ feet between the machine outlet and the machine flume. The pump is operated by an induction-motor, supplied with current from the street electrical mains. Owing to the fact that the speed of the pump motor is practically constant, the rate of pumping is controlled by a valve in a shunting pipe around the pump. The amount of flow through the machine is measured by a Venturi indicating and recording meter, connected in the discharge pipe leading from the machine to the first sedimentation tank. The power required ranges between 5 and 7½ H. P., according to the rate of sewage flow, and the height of lift at suction and discharge, the loss of head through the machine probably being small.

*Lime-Vat Motor.*

The milk of lime added to the sewage is prepared by putting quick-lime or hydrated lime in a vat with water, and agitating the mixture by electric power, produced by a one-half H. P. motor.

The electrical current supply required for operating the pump-motor, the lime-vat motor and the motor-generator is taken from the street mains through two watt-hour meters, one of which measures the current used by the pump-motor, and the other the current used by the remainder of the apparatus.

*Method of Operation.*

The raw sewage from the receiving well, after passing through the screens, passes through the pump into and through the electrolytic machine, and thence into the flume leading to the sedimentation tanks.

The milk of lime may be introduced into the sewage in several different ways. A small centrifugal pump, operated by an electric motor, was at times used to force the milk of lime into the inlet of the electrolytic machine, through a suitable pipe, the amount of flow being regulated by a valve in the pipe. A pipe was also provided, by which the milk of lime could be forced into the sewage at the outlet of the machine.

When desired, the milk of lime could also be forced into the sewage through a pipe leading to the inlet of the sewage pump. In the latter case the mixture of the milk of lime with the sewage was effected by the action of the pump.

The electrolyzing current is maintained as nearly constant as practicable, the voltage of the D. C. generator being regulated at the switchboard whenever any variation in the current is observed. The "polarity" of the current was reversed about every hour, with the object of equalizing any chemical action that may be produced on the iron electrodes, and preventing the formation of deposits there. The volume of electrical current (amperes) sent through the apparatus, varied with the mode of connection of the electrodes. With all the (38) elements connected in simple series, the current through the circuit was maintained at about 30 amperes. This is the way in which the apparatus has been principally operated. On one occasion the elements in the upper and lower tiers were respectively connected in series, and the two series were connected in parallel. This would give 19 elements in series, each element being composed of two elements in multiple. The current passing through these series on that occasion was maintained at 40 amperes, which was the limit of current output of the D. C. generator.

The voltage of the generator must be equal to the sum of the "voltage-drops" at all points in the entire working circuit, including the leads, the electrolyzing elements, and their connections. The voltage-drop at the electrolyzing elements is the factor which, multiplied by the current (amperes) passing through the elements, gives the electrical energy expended directly upon the liquid. The voltage, or potential difference, per element, depends upon the counter-electromotive force, the polarization incidental to the electrolysis produced, and the electrical resistance of the liquid. These conditions, in turn, depend upon and are affected by the chemical constitution, the density ("strength"), and the temperature of the sewage. Theoretically, the voltage per element should be the same for all sets of electrodes of the same kind (i. e., having the same number and size of plates, etc.), under the same working conditions. Practically, it is found that the voltage per element varies even with plates of the same kind and size, in consequence of changes in the conditions. Deposits are produced on the plates, which alter the amount of active surface of the electrodes, or decrease the thickness of the sheet of liquid flowing between the plates; and chains and bridges of solid matter may at times form between plates of opposite polarity, causing the current to be shunted in part or even short-circuited entirely. Tests with a volt-meter, made while the apparatus was in operation, showed that the voltage per element varies appreciably from such causes.

*Electrolytic Action Produced per Unit Volume of Sewage Treated.*

The total quantity of electric current sent through a unit volume of the sewage passing through the machine depends upon (a) the total volume of current or the aggregate sum of the electric currents passing through the elements, and (b) the speed of flow of the liquid to the apparatus.

The total quantity of current is equal, theoretically, to the product of the number of elements connected in series by the current in amperes passing through the series. Thus, with a current of 30 amperes passing through all the (38) elements in series, the total quantity of current would be equal to 1140 amperes on the assumption that there is no loss by leakage or shunting past any of the electrodes in the middle portion of the series.

The length of time that the liquid is subjected to electrolytic action depends upon the length and sectional area of the path through which the sewage flows in passing through the apparatus and the rate of pumping, or the speed of flow through the apparatus.

The time of flow through the apparatus, when in operation, under given actual conditions, was determined by injecting a coloring substance into the liquid at some point ahead of the inlet, and then noting the time which elapsed until the color appeared, at the outlet of the apparatus. It was found that when the speed of flow through the apparatus (as indicated by the Venturi-flow-meter) was at the rate of 765,000 gallons per day, the time of flow through the apparatus was 1 minute 8 seconds, or 68 seconds. Allowance should be made for the time elapsing while the liquid is passing through the inlet and outlet and through portions of the apparatus at which there are no electrodes. The actual time that the liquid was passing through the machine did not probably exceed 1 minute (60 seconds).

A rate of flow of 765,000 gallons per day is equal to 531.2 gallons per minute. Allowing for 10% leakage, a current of 1140 (or 1026 net) amperes acting during

one minute, represents 61,560 coulombs. The quantity of electric current applied, in 1 minute, to the liquid, is

$$\frac{61,560}{531.2} = 116 \text{ coulombs per gallon.}$$

This quantity will obviously vary inversely with the rate of flow. Thus, if the rate of flow were increased to 1,000,000 gallons per day, the coulombs per gallon would fall to 88; and if the rate of flow were decreased to 600,000 gallons per day, the coulombs per gallon would increase to 148. Under these conditions, and taking into account all causes of variation, the quantity of electric current per unit volume of sewage treated may range, in round numbers, between 80 and 150 coulombs per gallon, or 21 to 40 coulombs per liter. In the tests actually made, the electric current ranged between 19.5 and 40.9 amperes, according to connections and other conditions of the tests; and the current per unit volume was from 85 to 169 coulombs per gallon (22.5 to 44.7 coulombs per liter). When extreme and unusual conditions are excluded, the figures are likely to remain within the limits just mentioned.

This quantity of electricity will, theoretically, liberate from 0.00174 to 0.00332 grammes or 1.21 to 2.31 cubic centimeters of oxygen per liter of sewage treated.

*Current-Density.*

In fourteen sets of electrode-plates, all the plates of the set (48 to 50 in number) are connected electrically so as to make one single electrolyzing element of 24 (or 25) pairs of plates. In the other (8) sets, the plates are connected electrically so as to constitute three electrolyzer elements of 8 pairs of plates, and the three elements are connected in *series*. The theoretical active electrode surface in the "single" elements (of 24 pairs) is three times greater than in the "triple" elements (of 8 pairs). Hence, with the same current passing through "single" and "triple" electrodes (as when they are connected in single series) the current-density, in amperes per square foot of active electrode surface, is only about one-third as great at the "single" as as the "triple" electrolyzer elements.

Each electrode-plate is 16 inches in length and 10 inches in height, which gives an active surface of 160 square inches on each side, from which must be deducted the loss of active area due to holes in the plates (for the shafts on which the "paddles" are mounted) and to insulating separators. An allowance of about 10 square inches is made for this deduction, which leaves 150 square inches per side. Both sides of each plate are active, except in the case of the two outside plates, which have only one active surface. The active surface of the larger electrolyzer elements (of 24 pairs of plates), is 23½ times 300, or 7050 square inches, equivalent to 48.9 square feet. The active surface of the smaller electrolyzer elments (of 8 pairs of plates) is 7½ times 300, or 2250 square inches, equivalent to 15.6 square feet.

When all the electrolyzer elements in the apparatus (C-24) were connected in series (making 38 in series), the electrolyzing current was maintained at about 30 amperes. The maximum current capacity of the D. C. generator is 40 amperes. With an electrolyzing current of 30 amperes, the current-density will be equal to the following values:

For large units
30/7050 = 4.25 milli-amperes per sq. in. or
30/48.9 = 0.61 amp. per square foot.

For small units
30/2250 = 13.33 milli-amperes per sq. in.,
30/15.6 = 1.92 amps. per square foot.

With 40 amperes, these values would be one-third greater.

For large units
40/7050 = 5.67 milli-amps. per sq. in.,
40/48/9 = 0.82 amps. per square foot.

For small units
40/2250 = 17.8 milli-amps. per square inch
40/15.6 = 2.56 amps. per square foot.

The range of variation of current-density in round number is within the following limits:

For large units
From 4 to 6 milli-amps. per sq. ft.
From 6/10 to 8/10 amps. per sq. ft.

For small units
From 13 to 18 milli-amps. per sq. ft.
From 1.9 to 2.6 amps. per sq. ft.

*By-Pass Connection.*

A line of pipes is so arranged that by the use of appropriate valves, the sewage, after receiving its dose of lime, may be by-passed around the machine to the same point of outlet into the flume as when the machine is used, from which point the usual line of flow is continued through the flume and settling tanks. When this by-pass is used, the machine being cut out, the dose of lime is added at the inlet to the centrifugal pump.

*Sedimentation.*

In the operation of the process, two sedimentation tanks are used. The sewage, after it has passed through the machine, (or through the by-pass, if that be used) is discharged into a flume about 3 ft. wide, which connects with the inlet of the sedimentation tanks in the tank room.

After the sewage has received its dose of lime and has been electrolyzed in the machine, it is passed through the above-mentioned flume in a stream about 6 inches deep into two settling tanks (each 82' 6" x 20' x 5' 3", of about 65,000 gallons capacity, and provided with a baffle at the centre rising from the bottom, and also with a deep hanging baffle at the entrance and a skimming baffle at the exit, and from the second of them the settled effluent is finally discharged). These tanks are connected in tandem. The sewage enters the first tank at one end and passes through a gate into the second tank at the farther end. The time for sedimentation in each tank is nearly two hours or four hours for total time of sedimentation, dependent upon the rate of sewage flow. The effluent is discharged from the second tank through a flume by which it is conveyed to the discharge pipe.

It is proper to note that these sedimentation tanks were constructed for sewage disposal by the septic process previously in use at Elmhurst. Suggestions have been made for a new type of sedimentation tank and a model embodying some of them has been constructed, with which it is expected that more rapid and perfect sedimentation will be obtained.

*Filter Press.*

Pipe connections of suitable diameter, leading from the bottom of the sedimentation tank, serve to convey the sludge to a receiving basin in the press from whence it is pumped to the filter press which is of the Johnson type. Attention should be called to the fact that the filter-press is not an essential part of the apparatus as other methods of disposing of the sludge may be adopted as indicated on pages 39 and 40.

II. RESULTS OBTAINED WITH THE ELECTROLYTIC MACHINE AND WITH LIME UNDER NORMAL CONDITIONS OF OPERATION.

In order to determine what happens to the sewage as it passes through the machine during the normal operation of the electrolytic process, certain data and information were procured. Samples of sewage for making chemical and bacteriological examinations were procured showing the condition of the sewage both before and after its passage through the machine, and also after the treated sewage had been allowed to remain in the sedimentation tanks; measurements of the volume and concentration of the milk of lime introduced into the sewage were made to determine the quantity and proportion of lime actually employed; and measurements were made of the electrical power and energy consumed in electrolyzing the sewage passing through the machine, the rate and quantity of flow of sewage through the machine being at the same time measured by the Venturi meter in use at the Plant.

The principal results of the tests are given in tabular form in each case.

In the first series of experiments (tests No. 1-5) the machine was operated under what may be termed normal conditions. Lime was introduced into the sewage before passing through the machine in quantities equal to from 1,000 to 1,300 pounds of hydrated lime (about 73% CaO) per million gallons which is equivalent to 7½ to 9½ grains per gallon. The quantity of lime used was ascertained by the tank being filled with milk of lime of known strength. Titrations were also made of the effluent to ascertain the amount of calcium oxide present in excess over that required to re-act with the dissolved carbonic acid and the alkalinity of the sewage.

Samples were taken of the raw sewage, designated as "A,"
Of the inflow to the sedimentation tanks, designated as "B,"
And also of the effluent from the sedimentation tanks designated as "C."
Several samples, designated as "D," were also taken from the outfall into the stream at a point several hundred feet distant from the buildings of the plant. The samples were used for the determination of physical appearance, chemical composition, count of bacteria, dissolved oxygen and putrescibility. Samples of sludge were also taken from time to time for examination with reference to putrescibility.

*Samples taken April 15th.*

TEST No. 1.

Electrical Data.

| | |
|---|---|
| Number of electrolyzing elements in series | 31 |
| Amperes | 32 |
| Volts | 102 |

*Chemical Analysis.*

Results Given in Parts Per Million.

| | A | B | C |
|---|---|---|---|
| Time | 11.15 A.M. | 10.00 A.M. | 11.30 A.M. |
| Temp., degrees C. | 11 deg. | 11¼ deg. | 11⅓ deg. |
| Nitrogen as | | | |
| Nitrites | 0.00 | 1.1 | .19 |
| Nitrates | .06 | 0.44 | 4.4 |
| Free Ammonia | 26 | 22.4 | 14.8 |
| Total Organic Nitrogen | 26 | 14.4 | 15.2 |
| Oxygen dissolved | 2.82 | 3.5 | 5.00 |
| % of Saturation | 25.45 | 31.75 | 45.49 |
| Consumed | 74 | 48 | 29 |
| Turbidity | 55 | 35 | 10 |
| Color | 50 | 35 | 20 |
| Chlorine | 64 | 54 | 64 |
| Carbon Dioxide | 25.0 | 0 | 0 |
| Calcium Oxide | 0 | 0 | 100.8 |
| Alkalinity | 291.6 | 314 | 70 |

*Bacteriological Examination.*

| | A | B | C |
|---|---|---|---|
| Time | 11.15 A.M. | 10.00 A.M. | 11.30 A.M. |
| Temp. degrees C. | 11 deg. | 11¼ deg. | 11⅓ deg. |
| Bacteria per c. c.— | | | |
| Agar | 584,000 | 272,000 | 244 |
| Gelatine | 1,100,000 | 846,000 | 800 |
| Acid forming bacteria | 55,000 | 45,000 | 32 |
| B. Coli | 1-100÷ | 1-10÷ | 1-1 ÷ 1-10÷ |

The general appearance of the liquid in the flume at "B" was good, showing large flocks which settled rapidly. The purification as shown by samples B, A and C differ considerably. It will be noted that there is no excess lime in B, while in C there is an excess of 100.8 parts per million. Sample C shows excellent purification. It must be remembered that C is a composite sample at least four hours older than B and represents the result of mixture of various portions of sewage containing varying quantities of lime.

TEST No. 2.

*Samples Taken April 15th.*

Electrical Data.

| | |
|---|---|
| Number of electrolyzing elements in series | 38 |
| Amperes | 27 |
| Volts | 125 |

*Chemical Analysis.*

Results Given in Parts Per Million.

| | A | B | C |
|---|---|---|---|
| Time | 11.15 A.M. | 12.30 P.M. | 11.30 A.M. |
| Temp. degrees C. | 11 deg. | 11¾ deg. | 11⅓ deg. |
| Nitrogen as— | | | |
| Nitrites | 0.00 | .24 | .19 |
| Nitrates | .06 | 4.4 | 4.4 |
| Free Ammonia | 26 | 20.0 | 14.8 |
| Total Organic Nitrogen | 26 | 10.0 | 15.2 |
| Oxygen dissolved | 2.82 | 4.05 | 5.00 |
| Per Cent. of Saturation | 25.45 | 37.90 | 45.49 |
| Consumed | 74 | 55 | 29 |
| Turbidity | 55 | 17 | 10 |
| Color | 50 | 35 | 20 |
| Chlorine | 64 | 75 | 64 |
| Carbon Dioxide | 25.0 | 0 | 0 |
| Calcium Oxide | 0 | 43.1 | 100.8 |
| Alkalinity | 291.6 | 101.0 | 70 |

*Bacteriological Examination.*

| | A | B | B | C |
|---|---|---|---|---|
| Time | 11.15 A.M. | 12.30 P.M. | 11.45 A.M. | 11.30 A.M. |
| Temp., degrees C. | 11 deg. | 11¾ deg. | 11½ deg. | 11⅓ deg. |
| Bacteria per c. c.— | | | | |
| Agar | 584,000 | 6,010 | 66 | 244 |
| Gelatine | 1,100,000 | 140,000 | 1,380 | 800 |
| Acid forming Bacteria | 55,000 | 2,000 | 48 | 32 |
| B. Coli | 1-100÷ | 1-1 ÷ 1-10÷ | 1-1 ÷ 1-10÷ | 1-1 ÷ 1-10÷ |

It will be noted that the amount of lime which had been added to the sewage differed markedly in test No. 1 and in test No. 2, as may be seen by the amount of calcium oxide in sample "B" in each case.

In test No. 1 there was no excess of calcium oxide, while the alkalinity was only slightly increased, being raised from 291.6 to 314.

In test No. 2, the excess of calcium oxide was 43.1, while the alkalinity had been reduced from 291.6 to 101. This indicates a precipitation of the lime present in the sewage in the form of flocks.

On comparing the analysis of sample "B" in test No. 1 with that of sample "B" in test No. 2, it will be noted that in test No. 1 there is only a slight increase in nitrates and dissolved oxygen, and only a moderate decrease in oxygen consumed, turbidity and color; while the bacteria count is reduced about 50 per cent. This indicates only very slight purification of the sewage. In test No. 2, on the other hand, the nitrates increased from .06 to 4.4. The organic nitrogen was decreased from 26 to 10, the oxygen dissolved was increased from 25 to 37 per cent. of saturation. The turbidity was reduced from 55 to 17. The bacteria were reduced to about 1 per cent. to 4 per cent.

This shows the importance of having a moderate excess of lime in order to insure the complete purification of the sewage.

TEST No. 3.

*Samples Taken April 26th.*

Electrical Data.

| | |
|---|---|
| Time period considered, minutes | 60 |
| Time period considered, seconds | 3,600 |
| Mean rate of sewage flow, gallons per day | 640,000 |
| Sewage treated during time-period, gallons | 26,667 |
| Electrolyzing elements in series | 38 |
| D. C. Average volts | 118 |
| D. C. Average amperes | 26.25 |
| D. C. Average watts | 3,098 |
| D. C. Average watt-hours (calculated) | 3,098 |
| D. C. Average coulombs for 38 series, no loss allowance | 3,591,000 |
| D. C. Average coulombs per gallon treated | 134.7 |
| D. C. Average coulombs per liter treated | 35.6 |
| D. C. Average ampere-hours | 997.5 |
| D. C. Average ampere-hours per 1,000 gallons | 37.4 |

| | |
|---|---|
| D. C. Average ampere-hours per 1,000 liters | 9.9 |
| D. C. Average watt-hours per 1,000 gallons | 116.2 |
| D. C. Average kilowatt-hours per million gallons | 116.2 |
| Anodic oxygen (theoretical) gramme, per liter | 0.00293 |
| Anodic oxygen (theoretical) c.c. per liter | 2.054 |

*Chemical Analysis.*
Results Given in Parts Per Million.

| | A | B | C |
|---|---|---|---|
| Time | 11.45 | 11.30 | 12.45 |
| Temp. degrees C. | 12 deg. | 13 deg. | 13.3 deg. |
| Nitrogen as | | | |
| Nitrites | 0.00 | 0.36 | .248 |
| Nitrates | 0.04 | 1.8 | 3 |
| Free Ammonia | 26.8 | 23.2 | 18.8 |
| Total Organic Nitrogen | 11.2 | 14.8 | 9.2 |
| Oxygen dissolved | 0.66 | 2.36 | 2.52 |
| Per cent of Saturation | 6.09 | 22.26 | 23.93 |
| Consumed | 29.4 | 31.6 | 25.7 |
| Turbidity | 40 | 15 | 10 |
| Color | 50 | 50 | 30 |
| Chlorine | 62.0 | 55.5 | 55 |
| Carbon Dioxide | 24.6 | 0 | 0 |
| Calcium Oxide | 0 | 25.2 | 76.7 |
| Alkalinity | 306 | 198 | 82 |

*Bacteriological Examination.*

| | A | B | C |
|---|---|---|---|
| Time | 11.45 | 11.30 | 12.45 |
| Temp. degrees C. | 12 deg. | 13 deg. | 13.3 deg. |
| Bacteria per c.c.— | | | |
| Agar | 200,000 | 37,200 | 1,640 |
| Gelatine | 1,150,000 | 101,000 | 62,000 |
| B. Coli | 1-100÷ | 1-100÷ | 1-1— |

This test shows that a satisfactory purification can be obtained with a moderate excess of lime and current sufficient to produce 2 c.c. of anodic oxygen per liter.

TEST No. 4.
*Samples Taken April 26th.*
Electrical Data.

| | |
|---|---|
| Time period considered, minutes | 60 |
| Time period considered, seconds | 3,600 |
| Mean rate of sewage flow, gallons per day | 985,000 |
| Sewage treated during time-period, gallons | 41,042 |
| Electrolyzing elements in series | 38 |
| D. C. Average volts | 111 |
| D. C. Average amperes | 27 |
| D. C. Average watts | 2,997 |
| D. C. Average watt-hours (calculated) | 2,997 |
| D. C. Average coulombs for 38 series, no loss allowance | 3,693,600 |
| D. C. Average coulombs per gallon treated | 90 |
| D. C. Average coulombs per liter treated | 23.8 |
| D. C. Average ampere-hours | 1,026 |
| D. C. Average ampere-hours per 1,000 gallons | 25 |
| D. C. Average per 1,000 liters | 6.6 |
| D. C. Average watt-hours per 1,000 gallons | 73 |
| D. C. Average kilowatt-hours per million gallons | 73 |
| Anodic oxygen (theoretical) gramme per liter | 0.00197 |
| Anodic oxygen (theoretical) c.c. per liter | 1.443 |

*Chemical Analysis.*
Results Given in Parts Per Million.

| | A | B | C |
|---|---|---|---|
| Time | 11.45 | 12.45 | 12.45 |
| Temp. degrees C. | 12 deg. | 13 deg. | 13.3 deg. |
| Nitrogen as | | | |
| Nitrites | 0.00 | .68 | .248 |
| Nitrates | 0.04 | 0.1 | 3 |
| Free Ammonia | 26.8 | 21.6 | 18.8 |
| Total Organic Nitrogen | 11.2 | 12.4 | 9.2 |
| Oxygen dissolved | 0.66 | 2.27 | 2 52 |
| Per cent of Saturation | 6.09 | 21.41 | 23.93 |
| Consumed | 29.4 | 50.4 | 25.7 |
| Turbidity | 40 | 90 | 10 |
| Color | 50 | 80 | 30 |
| Chlorine | 62.0 | 53.5 | 55 |
| Carbon Dioxide | 24.6 | 0 | 0 |
| Calcium Oxide | 0 | 0 | 76.7 |
| Alkalinity | 306 | 88 | 82 |

*Bacteriological Examination.*

| | A | B | C |
|---|---|---|---|
| Time | 11.45 | 12.45 | 12.45 |
| Temp. degrees C. | 12 deg. | 13 deg. | 13.3 deg. |
| Bacteria per c.c.— | | | |
| Agar | 200,000 | 20,000 | 1,640 |
| Gelatine | 1,150,000 | 500,000 | 62,000 |
| B. Coli | 1-100÷ | 1-10÷ | 1-1— |

In this test the lime dosage and the anodic oxygen are both low. For this reason the purification of the sewage is only fair, as shown by the somewhat low nitrates and dissolved oxygen and relatively slight reduction of organic nitrogen.

TEST No. 5.
*Samples Taken May 10th.*
Electrical Data.

| | |
|---|---|
| Time period considered, minutes | |
| Time period considered, seconds | |
| Mean rate of sewage flow, gallons per day | 748,000 |
| Sewage treated during time-period, gallons | 31,167 |
| Electrolyzing elements in series (allowing for partial short-circuit at 4 elements) | 30 |
| D. C. Average volts | 92 |
| D. C. Average amperes | 30 |
| D. C. Average watts | 2,760 |
| D. C. Average watt-hours (calculated) | 2.760 |
| D. C. Average coulombs (for 30 series, no loss allowance) | 3,240,000 |
| D. C. Average coulombs per gallon treated | 104 |
| D. C. Average coulombs per liter treated | 27.5 |
| D. C. Average ampere-hours | 900 |
| D. C. Average ampere-hours per 1,000 gallons | 28.9 |
| D. C. Average ampere-hours per 1,000 liters | 7.64 |
| D. C. Average watt-hours per 1,000 gallons | 88.6 |
| D. C. Average kilowatt-hours per million gallons | 88.6 |
| Anodic Oxygen (theoretical) gramme, per liter | 0.00228 |
| Anodic Oxygen (theoretical) c. c. per liter | 1.587 |
| Temperature of sewage at B, deg. C. | 13.5 |

*Chemical Analysis.*
Results Given in Parts Per Million.

| | A | B | C | D |
|---|---|---|---|---|
| Time | 11:30 | 11:45 | 11:45 | 12:30 |
| Temp. degrees C. | 13.5 deg. | 13.5 deg. | 14 deg. | 14.0 deg. |
| Nitrogen as | | | | |
| Nitrites | 0 | .32 | .14 | |
| Nitrates | 0 | 2.8 | 3.0 | |
| Free Ammonia | 28 | 22 | 17.4 | |
| Total Organic Nitrogen | 16 | 8 | 2.6 | |
| Oxygen dissolved | .58 | 1.83 | 3.2 | 7.33 |
| % of Saturation | 5.57 | 17.44 | 30.95 | 70.68 |
| Consumed | 68 | 39 | 23 | |
| Turbidity | 65 | 35 | 3 | |
| Color | 18 | 23 | 23 | |
| Chlorine | 84 | 65 | 98.7 | |
| Carbon Dioxide | 25.2 | 0 | 0 | |
| Calcium Oxide | 0 | 0 | 68 | |
| Alkalinity | 312 | 222 | 80 | |

*Bacteriological Examination.*

| | A | B | C | D |
|---|---|---|---|---|
| Time | 11:30 | 11:45 | 11:45 | 12:30 |
| Temp. degrees C. | 13.5 deg. | 13.5 deg. | 14 deg. | 14.0 deg. |
| Bacteria per c.c. | | | | |
| Agar | 350,000 | 60,000 | 112 | 271 |
| Gelatine | 700,000 | 137,000 | 600 | 1,750 |
| B. Coli | 1-1,000÷ | 1-1,000÷ | 1-1— | 1-1— |

The general remarks made under Test No. 1 also apply in this case. The purification as shown in "C" is satisfactory, the excess of calcium oxide being 68 and the anodic oxygen 1.587, which seems to be sufficient.

TEST No. 6.
*Samples Taken May 17th.*

When these samples were taken the milk of lime was not passed through the machine, but was admitted to the treated sewage as it flowed to the sedimentation tank.

Two samples were taken of "B" which differed in the amount of lime being added to the sewage.

Electrical Data.

| | |
|---|---|
| Time-period considered, minutes | 60 |
| Time-period considered, seconds | 3,600 |
| Mean rate of sewage flow, gallons per day | 760,000 |
| Sewage treated during time-period, gallons | 31,667 |
| Electrolyzing elements in series | 38 |
| D. C. Average volts | 105 |
| D. C. Average amperes | 22 |
| D. C. Average watts | 2.310 |
| D. C. Average watt-hours (calculated) | 2.310 |
| D. C. Average coulombs (for 38 series, no loss allowance) | 3,009,000 |
| D. C. Average coulombs per gallon treated | 95 |
| D. C. Average coulombs per liter treated | 25.1 |
| D. C. Average ampere-hours | 836 |
| D. C. Average ampere-hours per 1,000 gallons | 26.2 |
| D. C. Average ampere-hours per 1,000 liters | 6.9 |
| D. C. Average watt-hours per 1,000 gallons | 73 |
| D. C. Average kilowatt-hours per million gallons | 73 |
| Anodic oxygen (theoretical) gramme, per liter | 0.00208 |
| Anodic oxygen (theoretical) c.c. per liter | 1.448 |
| Temperature of sewage at outlet, deg. C. | 12 |

*Chemical Analysis.*
Results Given in Parts Per Million.

| | A | B | B | C | D |
|---|---|---|---|---|---|
| Time | 11:00 | 11:15 | 12:25 | 11:45 | 12:00 |
| Temp. degrees C. | 13 deg. | 13.58 deg. | 13.8 deg. | 13.3 deg. | 13.5 deg. |
| Nitrogen as | | | | | |
| Nitrites | 0 | .04 | .04 | .10 | |
| Nitrates | 0 | 2.4 | 1.8 | 3.6 | |
| Free Ammonia | 26 | 20 | 18 | 12.0 | |
| Total Organic Nitrogen | 14 | 5.6 | 4.4 | 0.0 | |
| Oxygen Dissolved | .4 | 2.46 | 1.38 | 6.11 | 8.90 |
| % of Saturation | 3.73 | 23.49 | 13.24 | 68.01 | 84.83 |
| Consumed | 34 | 20 | 28 | 8 | |
| Turbidity | 55 | 2 | 5 | 3 | |
| Color | 70 | 25 | 25 | 15 | |
| Chlorine | 65.5 | 122 | 94 | 80 | |
| Carbon Dioxide | 24.8 | 0 | 0 | 0 | |
| Calcium Oxide | 0 | 236 | 209 | 162 | |
| Alkalinity | 277.8 | | | | |
| Calcium Carbonate | | 239 | 221 | 96 | |

*Bacteriological Examination.*

| | A | B | B | C | D |
|---|---|---|---|---|---|
| Time | 11:00 | 11:15 | 12:25 | 11:45 | 12:00 |
| Temp. degrees C. | 13 deg. | 13.5 deg. | 13.8 deg. | 13.3 deg. | 13.5 deg. |
| Bacteria per c.c. | | | | | |
| Agar | 160,000 | 0 | 0 | 5 | 3 |
| Gelatine | 1,000,000 | 1 | 3 | 170 | 2,250 |
| B. Coli | 1-1,000÷ | 1-10— | 1-10— | 1-1— | 1-1— |

*After Standing 24 Hours.*

| | | |
|---|---|---|
| Agar | 1 | 0 |
| Gelatine | 0 | 21 |

This test shows that satisfactory results can also be obtained with a comparatively low amount of anodic oxygen (1.448 c.c. per liter) provided a large excess of lime be used (236 parts of calcium oxide per million). It is neither desirable nor economical for many reasons to secure purification by adding excessive quantities of lime in order to make small reductions in current consumption. Comparison may be made of the lime and current consumption in Test No. 5.

TEST No. 7.
*Samples Taken May 18th.*

Machine operating under normal conditions with current, lime (CaO) and paddles. Current used.

*Electrical Data.*

| | |
|---|---|
| Time period considered, minutes | 60 |
| Time period considered, seconds | 3,600 |
| Mean rate of sewage flow, gallons per day | 720,000 |
| Sewage treated in time-interval, gallons | 30,000 |
| Electrolyzing elements in series | 38 |
| D. C. Average amperes | 19.5 |
| D. C. Average watts | 81 |
| D. C. Average watt-hours (calculated) | 1,580 |
| D. C. Average watts (calculated) | 1,580 |
| D. C. Average coulombs (for 38 series, no loss allowance) | 2,667,600 |
| D. C. Average coulombs per gallon treated | 88.9 |
| D. C. Average coulombs per liter treated | 23.5 |
| D. C. Average ampere-hours | 741 |
| D. C. Average ampere-hours per 1,000 gallons | 24.7 |
| D. C. Average ampere-hours per 1,000 liters | 6.53 |
| D. C. Average watt-hours per 1,000 gallons | 52.7 |
| D. C. Average kilowatt-hours per million gallons | 52.7 |
| Anodic oxygen (theoretical) gramme per liter | 0.00195 |
| Anodic oxygen (theoretical) c.c. per liter | 1.356 |
| Sewage flow averaged | 720,000 gallons per 24 hours |
| Dose of lime (CaO) | 3,600 lbs. (CaO) per M. gallons of sewage, equivalent to 25.2 grains per gal. |

In general appearance the sample B taken from the outlet end of the machine showed large flocks which settled rapidly in an Imhoff tube; sedimentation being practically completed in 5 minutes. The volume of the sludge appeared large. The effluent from the sedimentation tanks was of excellent appearance with but little suspended flocks.

*Chemical Analysis.*
Results Given in Parts Per Million.

| | A | B | C |
|---|---|---|---|
| Time | 11:30 | 11:25 | 11:30 |
| Temp. degrees C | 11.5 deg. | 12 deg. | 12 deg. |
| Oxygen dissolved | 1.42 | 3.685 | 3.685 |
| % of Saturation | 1.26 | 32.73 | 32.73 |
| Calcium Oxide | 0 | | 191.7 |
| Calcium Bicarbonate | 283.8 | | 0 |
| Calcium Carbonate | 0 | | 142.9 |
| Free Carbon Dioxide | 15.0 | | 0 |
| *Bacteriological Examination.* | | | |
| Time | 12 M. | 12 M. | 12 M. |
| Temp. degrees C | 11.5 deg. | 12 deg. | 12 deg. |
| Bacteria per c.c. | | | |
| Agar | 222,500 | 1,055 | 112 |
| B. Coli | 1-10,000÷ | 1-1÷ | 1-1— |
| Putrescibility | 10″ | 4 days | 4 days |

The comments made with reference to Test No. 6 also apply to this test.

TEST No. 8.

*Samples Taken May 21st.*

Machine operating under normal conditions with current, lime (CaO) and paddles.

Electrical Data.

The time between the first and last readings makes a period of two hours 7 min., or 127 minutes. During the preliminary period A the rate of flow was under the average; after 18 minutes, for one hour (10.56 to 11.56 A. M.) the rate was practically constant. The general results are tabulated below for three time intervals:

I = 60 minutes. (flow constant.)
II = 78 minutes. (flow variable.)
III = 127 minutes. (total period.)

| | I. | II. | III. |
|---|---|---|---|
| Time-interval, minutes | 60 | 78 | 127 |
| Sewage treated, gallons | 34,209 | 41,197 | 89,203 |
| Rate of flow, gallons per day | 821,000 | 761,200 | 785,930 |
| D. C. Average volts | 76.5 | 78.4 | 78.4 |
| D. C. Average amperes | 39.1 | 39.2 | 38.9 |
| D. C. Average kilowatts (calculated) | 2.99 | 3.1 | 3.05 |
| D. C. Average kilowatts (meter) | 2.7 | 2.77 | 2.73 |
| D. C. Average watt-hours (meter) | 2,700 | 3,700 | 5,800 |
| D. C. Average coulombs per series | 140,760 | 183,456 | 296,418 |
| D. C. Average ampere-hours series | 39.1 | 51.2 | 82.3 |
| D. C. Total coulombs (38 series) | 5,348,880 | 6,971,328 | 11,263,884 |
| D. C. Average Total ampere-hours | 1,485.8 | 1,945.6 | 3,127.4 |
| D. C. coulombs per gallon | 156.4 | 169.2 | 126.3 |
| D. C. coulombs per liter | 41.3 | 44.7 | 33.4 |
| D. C. ampere-hours 1,000 gallons | 43.14 | 47.2 | 35.6 |
| D. C. ampere-hours 1,000 liters | 11.4 | 12.47 | 9.41 |
| (a) A. C. watt-hours for machine | 8,100 | 10,800 | 17,800 |
| (b) A. C. watt-hours for pump | 10,000 | 17,000 | 27,000 |
| A. C. (a) per 1,000 gallons | 234 | 262 | 200 |
| A. C. (b) per 1,000 gallons | 293 | 413 | 303 |
| Sewage flow averaged | 782,000 gallons per 24 hours | | |
| Dose of lime (CaO) | 1,104 lbs. CaO per M. gallons of sewage equivalent to 7.73 grains per gallon | | |

The general appearance of effluent (sampling point B) issuing from the machine was good with well developed flocks and rapid sedimentation of the same. The effluent from the sedimentation basins was of good quality, showing but little flock, when observing the samples in Imhoff tubes and measuring the deposits therein after sedimentation of 45 minutes. The amounts of sedimentation measured were as follows:

| | |
|---|---|
| A. Raw Sewage | 2 c.c. |
| B. Effluent from Machine | 8 c.c. |
| C. Effluent from sedimentation tanks | 1 c.c. |

*Chemical Analysis.*
Results Given in Parts per Million.

| | A | B | C |
|---|---|---|---|
| Time | 10.50 | 11.00 | 11.10 |
| Temp., degrees C | 12.5 deg. | 13 deg. | 13 deg. |
| Oxygen dissolved | 0.739 | 1.847 | 2.211 |
| Percent. of saturation | 7.28 | 18.40 | 22.07 |
| Calcium oxide | 0 | | 79.60 |
| Calcium bicarbonate | 245.0 | | 0 |
| Calcium carbonate | | | 150.5 |
| Free carbon dioxide | 9.90 | | 0 |
| Total solids | 425 | 183 | 396 |
| Iron content, expressed as Fe | 2.24 | 5.04 | 2.35 |
| *Bacteriological Examination.* | | | |
| Time | 11.45 | 11.45 | 11.45 |
| Temp., degrees C | 12.5 deg. | 13 deg. | 13 deg. |
| Bacteria per c.c. | | | |
| Agar | 47,000 | 9,700 | 170 |
| B. Coli | 1-10,000÷ | 1-1÷ | 1— |
| Putrescibility | 15″ | 24′ | 4 days |

The anodic oxygen was high in this test, while the lime was slightly above normal. The purification was very satisfactory.

At 12:00 the settling tanks were shut off and observation made of the appearance of the effluent after flowing 1¾ minutes through the flume leading to sedimentation tanks. No material improvement was observed in the matter of settlement of suspended flock during such flow. At about 1 o'clock one sedimentation tank was cut out, thus reducing time of settlement to half the former period. It was observed that the effluent passing from the single tank in use contained a considerable amount of undeposited flock, thus showing the necessity for using both tanks as before in order to secure a final effluent of the former high grade.

Test No. 9.

*Samples Taken May 25th.*

Machine operating under normal conditions with current, lime (CaO) and paddles.

Electrical Data.

The general results are tabulated for three time intervals.

I = 30 minutes.
II = 50 minutes.
III = 86 minutes.

| | I. | II. | III. |
|---|---|---|---|
| Time interval, minutes | 30 | 50 | 86 |
| Sewage treated, gallons | 16,313 | 27,203 | 46,523 |
| Rate of flow, gallons per day | 783,000 | 783,440 | 782,000 |
| D. C. Average volts | 70.4 | 69 | 67.2 |
| D. C. Average amperes | 40.86 | 39.6 | 38.7 |
| D. C. Average kilowatts (meter) | 3,000 | 2.52 | 2.385 |
| D. C. Average watt-hours | 1,500 | 2,100 | 3,500 |
| D. C. coulombs x 18 | 1,944,000 | 2,138,400 | 3,594,456 |
| D. C. ampere-hours x 18 | 267.7 | 594 | 998.4 |
| D. C. coulombs per gallon | 119.2 | 78.6 | 77.3 |
| D. C. coulombs per liter | 31.5 | 29.8 | 29.3 |
| D. C. ampere-hours per 1,000 gals | 164 | 218 | 214.6 |
| D. C. ampere-hours per 1,000 liter | 43.3 | 57.6 | 56.7 |
| D. C. kilowatt-hour per million gals | 92 | 77.1 | 75.3 |
| A. C. watt-hours for machine | 4,000 | 5,800 | 10,300 |
| A. C. watt-hours per 1,000 gallons | 245 | 213 | 232 |
| Anodic oxygen (theoretical) gramme per liter | 0.00261 | 0.00247 | 0.00243 |
| Anodic oxygen (theoretical) c.c. per liter | 1.82 | 1.72 | 1.69 |

Test No. 9.

*Samples Taken May 25th.*

Sewage flow averaged ..... 778,000 gallons per 24 hours
Dose of Lime (CaO) ..... 1,388 lbs. (CaO) per million gallons of sewage equivalent to 9.7 grains per gal.

*Chemical Analysis.*
Results Given in Parts per Million.

| | A | B | C |
|---|---|---|---|
| Time | 11:25 | 11:30 | 11:35 |
| Temp. degrees C | 12.5 deg. | 13 deg. | 13 deg. |
| Oxygen dissolved | 2.141 | 3.915 | 5.170 |
| % Saturation | 19.96 | 36.92 | 60.94 |
| Calcium Oxide | 0 | 0 | 22.4 |
| Calcium Carbonate | 0 | 424.4 | 175.4 |
| Calcium Bicarbonate | 267.4 | 117.5 | 0 |
| Free Carbon Dioxide | 13.2 | 0 | 0 |
| *Bacteriological Examination.* | | | |
| Time | 11:40 | 11:40 | 11:40 |
| Temp. degrees C | 12.5 deg. | 13 deg. | 13 deg. |
| Bacteria per c.c. | | | |
| Agar | 250,000 | 17,200 | 1,250 |
| B. Coli | 1-10,000+ | 1-1+ | 1+ |
| Putrescibility | 30″ | 24′ | 3 days |

The appearance of samples taken at B, the effluent from the machine was good with small-sized flock.

TEST No. 10.

*Samples Taken May 26th.*

The wiring of the electroylzing elements had been changed as follows: The first two electrolyzing elements, one near the inlet of the machine, one above and one below had been cut out; the 10 electrolyzers in the upper tier were connected in single series as were also the ten electrolyzers in the lower tier, and the two series in multiple. The number of electrolyzing series was, therefore, 18, and as the electrode surface was doubled by the connection multiple, the current density at the electrodes would be reduced for the same series current.

*Electrical Data.*

| | |
|---|---|
| Time period considered, minutes | 60 |
| Time period considered, seconds | 3,600 |
| Mean rate of sewage flow, gallons per day | 730,000 |
| Sewage treated during time-period, gallons | 30,417 |
| Electrolyzing elements in series | 18 |
| D. C. Average volts | 70 |
| D. C. Average amperes | 40 |
| D. C. Average watts | 2,800 |
| D. C. Average watt-hours (calculated) | 2,800 |
| D. C. Average coulombs (for 18 series, no loss allowance) | 2,592,000 |
| D. C. Average coulombs per gallon treated | 85.2 |
| D. C. Average coulombs per liter treated | 22.5 |
| D. C. Average ampere-hours | 720 |
| D. C. Average ampere-hours per 1,000 gallons treated | 23.7 |
| D. C. Average ampere-hours per 1,000 liters treated | 6.1 |
| D. C. Average watt-hours per 1,000 gallons treated | 92 |
| D. C. Average kilowatt-hours per million gallons | 92 |
| Oxygen set free per liter (theoretically), gramme | 0.00187 |
| Oxygen set free per liter (theoretically), c.c. | 1.298 |

Machine running normally, current, lime (CaO) and paddles on.

Sewage flow ..... 742,000 gallons per 24 hours
Dose of Lime (CaO) ..... 1,059 lbs. (CaO) per million gallons equivalent to 7.4 grains per gallon

The final effluent contained 40 parts per million of free lime.

Two samples of sewage were taken and independent tests made by two of us. Two samples were also taken at "B" and at "C" and analyzed independently.

TEST No. 10.

*Samples Taken May 26th.*

*Chemical Analysis.*

| | A | A | B | B | C | C | D |
|---|---|---|---|---|---|---|---|
| Time | 10:50 A.M. | 12:45 P.M. | 11:05 A.M. | 12:50 P.M. | 11:30 A.M. | 12:55 P.M. | 11:45 A.M. |
| Temp. degrees C | 12.5 | | 13 | 13 | 13 | 13 | 13 |
| Nitrogen as | | | | | | | |
| Nitrites | 0 | | 4 | | | | |
| Nitrates | 0 | | 4.0 | | 4.6 | | |
| Free Ammonia | 26 | | 12.2 | | 8.4 | | |
| Total Organic Nitrogen | 10 | | 4.0 | | 3.6 | | |
| Oxygen Dissolved | 3.01 | 3.11 | 3.16 | 3.53 | 4.41 | 3.66 | 8.77 |
| Per cent of Saturation | 28.7 | 29 | 30.26 | 33.25 | 41.64 | 34.55 | 84.57 |
| Consumed | 15.8 | 19.3 | 19.3 | | 17.7 | | |
| Turbidity | 15 | | 17 | | 2.0 | | |
| Color | 46 | | 25 | | 8 | | |
| Chlorine | 62.4 | | 50.5 | | 54.7 | | |
| Carbon Dioxide | 27.6 | | 0 | | 0 | | |
| Calcium Oxide | 0 | | 0 | | 16.2 | 26.5 | |
| Alkalinity | 292.6 | | 126 | | 43 | 119 | |

*Bacteriological Examination.*

| | A | A | B | B | C | C | D |
|---|---|---|---|---|---|---|---|
| Time | 10:50 A.M. | 12:45 P.M. | 11:05 A.M. | 12:50 P.M. | 11:30 A.M. | 12:55 P.M. | 11:45 A.M. |
| Bacteria per c.c.— | | | | | | | |
| Agar | 86,000 | 330,000 | 30,000 | 9,400 | 400 | 410 | 300 |
| Gelatine | 400,000 | | 156,000 | | 2,790 | | 10,000 |
| B. Coli | 1-1,000+ | 1-10,000+ | 1-100+ | | 1-1+ | 1-1+ | 1-10+ |
| | | | | | 1-10— | | |
| Putrscibility | 1 hour | | | 24 hours | | 4 days | |

The sewage in this test was more dilute than in most of the other tests. (See Table 1.) Hence, satisfactory results were obtained with amounts of both anodic oxygen and lime below average values.

TEST No. 10.

*Samples Taken May 26th.*

Bacteriological Examination.

*After Standing 2 Days.*

| | B | C |
|---|---|---|
| Agar | 1,820,000 | |
| Gelatine | 19,000,000 | |
| *After Standing 9 Days.* | | |
| Agar | | 37 |
| Gelatine | | 4,900 |

TEST No. 11.

*Samples Taken June 22d.*

Electrical Data.

The time between the first and last readings make an interval of 2 hours, 25 minutes, or 145 minutes. The general results are tabulated below for three time-intervals:

Time interval I. 11.05 A. M. to 12.38 P. M., or 93 minutes.
II. 12.38 P. M. to 1.30 P. M., or 52 minutes.
III. 11.05 A. M. to 1.30 P. M., or 145 minutes.

| | I. | II. | III. |
|---|---|---|---|
| Time interval, minutes | 93 | 52 | 145 |
| Time interval, seconds | 5,580 | 3,120 | 8,700 |
| Mean rate of sewage flow, gals. per day | 623,656 | 632,115 | 627,400 |
| Sewage treated in time-intervals, gals. | 40,277 | 22,826 | 63,176 |
| Electrolyzing elements in series | 36 | 36 | 36 |
| D. C. Average volts | 79.3 | 81.7 | 80.1 |
| D. C. Average amperes | 22.8 | 23.5 | 23 |
| D. C. Average watt-hours | 2,900 | 1,600 | 4,500 |
| D. C. Average watts (calculated from watt-hours) | 1,871 | 1,846 | 1,864 |
| D. C. coulombs (for 36 series, no loss allowance) | 4,580,064 | 2,639,520 | 7,203,600 |
| D. C. coulombs per gallons treated | 111.2 | 115.6 | 114 |
| D. C. coulombs per liter treated | 29.4 | 30.05 | 30.1 |
| D. C. ampere-hours | 1,272.2 | 733.2 | 2,001 |
| D. C. ampere-hours per 1,000 gals. | 31.6 | 32.2 | 31.7 |
| D. C. ampere hours per 1,000 liters. | 8.35 | 8.51 | 8.38 |
| D. C. watt-hours per 1,000 gallons | 72 | 70.1 | 71.4 |
| D. C. kilowatt-hours per million gals. | 72 | 70.1 | 71.4 |
| A. C. watt-hours for machine | 8,700 | 4,900 | 13,600 |
| A. C. watt-hours for 1,000 gallons | 216 | 214 | 212 |
| A. C. watt-hours for pump | 21,000 | 12,000 | 33,000 |
| A. C. watt-hours for 1,000 gallons | 502.2 | 502.6 | 502.7 |
| Anodic oxygen (theoretical) grammes per liter | 0.00244 | 0.00249 | 0.00250 |
| Anodic oxygen (theoretical) c.c. per liter | 1,696 | 1,734 | 1,737 |

*Chemical Analysis.*

Results Given in Parts per Million.

| | A | B | C | | D | |
|---|---|---|---|---|---|---|
| Time | 11:18 | 1:03 | 11:30 | 11:20 | 11:45 | 12:00 |
| Temp. degree C | 15 | 16 | 15 | 15 | 15.2 | 45.2 |
| Nitrogen as Free Ammonia | 26 | | 10.4 | | | |
| Total Organic Nitrogen | 5.6 | | 2.4 | | | |
| Oxygen dissolved | 1.27 | | 3.61 | 3.78 | 8.31 | 7.95 |
| % of Saturation | 12.51 | | 35.56 | 36.41 | 78.63 | 81.82 |
| Turbidity | 17 | | 15 | | | |
| Odor | Extremely putrid | | Slightly putrid | | | |
| Carbon Dioxide | 14.87 | | 0 | | | |
| Calcium Oxide | 0 | | 0 | | | |
| Alkalinity | 290.1 | | 42.5 | | | |
| Calcium Carbonate | 0 | | 74 | | | |

*Samples taken June 22d.*

BACTERIOLOGICAL EXAMINATION.

Bacteria per c.c.

| | A | B | C | D |
|---|---|---|---|---|
| Time | 12:30 | | 11:30 | 12:00 |
| Temperature degree C | 15 deg. | | 15 deg. | 15 deg. |
| Agar | 550,000 | | 370 | 103 |
| Putrescibility | | | | |
| B. Coli | 1-1,000+ | | 1-1+ | |
| *After Standing 24 Hours.* | | | | |
| Agar | 580,000 | | | 340 |
| B. Coli | 1-10,000+ | | | |
| *After Standing Two Days.* | | | | |
| Agar | 300,000 | | | 240 |
| B. Coli | 1-1,000+ | | | |
| *After Standing Three Days.* | | | | |
| Agar | 610,000 | | | |
| B. Coli | 1-100+ | | | |
| *After Standing Four Days.* | | | | |
| Agar | 620,000 | | | |
| *After Standing Six Days.* | | | | |
| Agar | 7,000 | | | 24 |
| B. Coli | 1-100+ | | | |

In this case satisfactory purification was obtained with lime below and anodic oxygen above the average value.

Samples A and D were allowed to stand for a number of days and replated to test their stability. The result given above shows a final decrease of 76.7% in the number of bacteria in sample D with lapse of time.

*Summary of the Analysis of the Sewage at Elmhurst—Sample A.*

TABLE I.

| | | | | | | | | | | | Average |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen as Nitrates | 0 | 0 | 0 | 0 | | | | 0 | | | 0 |
| Nitrates | .06 | .04 | 0 | 0 | | | | 0 | | | .05 |
| Free Ammonia | 26 | 26.8 | 28 | 26 | | | | 26 | | 26 | 26.5 |
| Total Organic Nitrogen | 26 | 11.2 | 16 | 14 | | | | 10 | | 5.6 | 13.8 |
| Oxygen Dissolved | 2.82 | .66 | .58 | .4 | 1.42 | .74 | 2.14 | 3.01 | 3.11 | 1.27 | 1.62 |
| Per Cent. of Saturation | 25.45 | 6.09 | 5.57 | 3.73 | 1.26 | 7.28 | 19.96 | 28.7 | 29 | 12.51 | 13.95 |
| Consumed | 74 | 29.4 | 68 | 34 | | | | 15.8 | 19.3 | | 40.08 |
| Turbidity | 55 | 40 | 65 | 55 | | | | 15 | | 17 | 41 |
| Color | 50 | 50 | 18 | 70 | | | | 46 | | | 47 |
| Chlorine | 64 | 62 | 84 | 65.5 | | | | 62.4 | | | 67.6 |
| Carbon Dioxide | 25.0 | 24.6 | 25.2 | 24.8 | 15.0 | 9.90 | 13.2 | 27.6 | | 14.87 | 20.02 |
| Calcium Oxide | 0 | 0 | 0 | 0 | | | | 0 | | | 0 |
| Alkalinity | 291.6 | 306 | 312 | 277.8 | | | | 292.6 | | 290.1 | 295.01 |
| Bacteria Count by Agar | 584,000 | 200,000 | 350,000 | 160,000 | 222,500 | 47,000 | 250,000 | 86,000 | 330,000 | 550,000 | 277,950 |

*Summary of Analyses of Sewage Electrolized and Treated with Lime.—Sample B.*

TABLE II.

| | | | | | | | | | | | | Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen as Nitrates | 1.1 | .24 | .36 | .68 | .32 | .04 | .04 | | 4. | | | .84 |
| Nitrates | 0.44 | 4.4 | 1.8 | 0.1 | 2.8 | 2.4 | 1.8 | | 4.0 | | | 2.22 |
| Free Ammonia | 22.4 | 20.0 | 23.2 | 21.6 | 22 | 20 | 18 | | 12.8 | | | 20.0 |
| Total Organic Nitrogen | 14.4 | 10.1 | 14.8 | 12.4 | 8 | 5.6 | 4.4 | | 4.0 | | | 9.2 |
| Oxygen Dissolved | 3.5 | 4.05 | 2.36 | 2.27 | 1.83 | 2.46 | 1.38 | 3.69 | 3.16 | 1.85 | 3.92 | 3.53 | 2.83 |
| Per Cent. of Saturation | 31.75 | 37.90 | 22.26 | 21.41 | 17.44 | 23.49 | 13.24 | 32.73 | 30.26 | 18.40 | 36.92 | 33.25 | 26.59 |
| Consumed | 48 | 55 | 31.6 | 50.4 | 39 | 20 | 28 | | 19.3 | | | | 36.4 |
| Turbidity | 35 | 17 | 15 | 90 | 35 | 2 | 5 | | 17 | | | | 27 |
| Color | 35 | 35 | 50 | 80 | 23 | 25 | 25 | | 25 | | | | 37 |
| Chlorine | 54 | 75 | 55.5 | 53.5 | 65 | 122 | 94 | | 50.5 | | | | 71.2 |
| Carbon Dioxide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | | 0 |
| Calcium Oxide | 0 | 43.1 | 25.2 | 0 | 0 | 236 | 209 | | 0 | | | | 128.3 |
| Alkalinity | 314 | 101 | 198 | 88 | 222 | | | | 126 | | | | 174.4 |
| Calcium Carbonate | | | | | | 239 | 221 | | | | 424.4 | | 294.8 |
| Bacteria Count by Agar | 272,000 | 6,010 | 37,200 | 20,000 | 60,000 | 0 | 0 | 1,055 | 30,000 | 9,700 | 17,200 | 9,400 | 46,256.5 |

*Summary of Analyses of Sewage After Electrolization; Treatment with Lime and Sedimentation of Four Hours.—Sample C.*

TABLE III.

| | | | | | | | | | | | | Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen as Nitrites | .19 | .25 | .14 | .10 | | | | | | | | .17 |
| Nitrates | 4.4 | 3.0 | 3.0 | 3.6 | | | | 4.6 | | | | 3.7 |
| Free Ammonia | 14.8 | 18.8 | 17.4 | 12.0 | | | | 8.4 | | 10.4 | | 13.6 |
| Total Organic Nitrogen | 15.2 | 9.2 | 2.6 | 0.0 | | | | 3.6 | | 2.4 | | 5.5 |
| Oxygen Dissolved | 5.0 | 2.52 | 3.2 | 6.11 | 3.69 | 2.21 | 5.17 | 4.41 | 3.66 | 3.61 | 3.78 | 3.94 |
| Per Cent. of Saturation | 45.49 | 23.93 | 30.95 | 68.01 | 32.73 | 22.07 | 60.94 | 41.64 | 34.55 | 35.56 | 36.41 | 39.29 |
| Consumed | 29 | 25.7 | 23 | 8 | | | | 17.7 | | | | 20.7 |
| Turbidity | 10 | 10 | 3 | 3 | | | | 2.0 | | 15 | | 7.2 |
| Color | 20 | 30 | 23 | 15 | | | | 8 | | | | 19 |
| Chlorine | 64 | 55 | 98.7 | 80 | | | | 54.7 | | | | 70.5 |
| Carbon Dioxide | 0 | 0 | 0 | 0 | | | | 0 | | 0 | | 0 |
| Calcium Oxide | 100.8 | 76.7 | 68 | 162 | 191.7 | 79.6 | 22.4 | 16.2 | 26.5 | | | 82.6 |
| Alkalinity | 70 | 82 | 80 | | | | | 43 | 119 | 42.5 | | 72.7 |
| Calcium Carbonate | | | | 96 | 142.9 | 150.5 | 175.4 | | | 74.0 | | 127.7 |
| Bacteria Count by Agar | 244 | 1,640 | 112 | 5 | 112 | 170 | 1,250 | 400 | 410 | 370 | | 471 |

SUMMARY OF ANALYSIS OF SEWAGE AFTER ELECTROLYZATION, TREATMENT WITH LIME, SEDIMENTATION OF 4 HOURS AND PASSAGE THROUGH THE EFFLUENT PIPE FROM THE TANKS.

*(Sample D.)*

| | | | | | | Average. |
|---|---|---|---|---|---|---|
| Oxygen dissolved | 7.33 | 8.90 | 8.77 | 8.31 | 7.95 | 8.25 |
| Percentage of Saturation | 70.68 | 84.83 | 84.57 | 78.63 | 81.82 | 80.11 |
| Bacteria count by Agar | 271 | 3 | 300 | 103 | | 169 |
| B. Coli | 1-1— | 1-1 | | 1-10+ | | |

*Notes on Average Results.*

It will be noted on reference to the results in the columns of Tables I, II, and III, that the percentage of nitrates increases from .02 in the raw sewage to 2.22 in sample B, and to 3.6 in sample C, which indicates oxidation of the nitrogen of the sewage.

The percentage of Ammonia decreased from 26.5 to 20 and 13.8, respectively, in samples B and C. Undoubtedly, ammonia is lost both by oxidation and volatilization.

The percentage of organic nitrogen decreased from 13.8 in the sewage to 9.2 in sample B. This disappearance of organic nitrogen is no doubt partly due to oxidation brought about by the anodic oxygen and partly to precipitation by the lime as the sludge was found to contain a considerable amount of nitrogen. The decrease in organic nitrogen continues between B and C, which is probably due partly to further precipitation in the sludge and partly to further oxidation. In this manner 60% of the organic nitrogen is removed from the sewage. This large reduction of the organic nitrogen is an important factor in this method of sewage purification for the reason pointed out.

The oxygen consumed decreases from 40.08 to 36.4 to 20.7, which indicates removal of a large proportion of the dissolved and suspended organic matter.

The per cent of saturation of dissolved oxygen increases from 13.89 to 26.59 and 38.38, which is a total increase of 24.49%.

The bacteria count decreased 84% between A and B and 99.83% between A and C, which indicates a high degree of purity in the effluent.

III. Results Obtained When Treating Sewage With Lime Alone.
(*Without Electrolysis.*)

With the object of comparing the results obtained when electrolyzation was discontinued, i. e., when the sewage was treated with lime, *but not electrolyzed*, the machine was stopped at the end of a test on May 26th (at 2:55 P. M.) and arrangements made for tests without electrolysis. The sewage was diverted from the electrolyzing machine by being pumped into and through a by-pass pipe which extends from the sewage pump to the flume for conveying the sewage to the sedimentation tanks. The arrangements for dosing the sewage with lime were not disturbed; and the milk of lime was introduced into the sewage at the inlet of the sewage-pump in exactly the same manner and at the same rate as when the electrolyzing machine was in regular operation. By introducing the milk of lime at the suction side of the sewage pump, a thorough mixture of the lime and sewage was secured. With this method of treatment the sewage in the flume leading to the sedimentation tanks changed in color and in appearance. The liquid in the flume became much darker in appearance and did not form flocks and did not settle so rapidly. When examined in Imhoff tubes, samples from the flume showed less precipitate and less tendency to clearing than when the machine was running. At the end of ten minutes, the sewage at the entrance of the first sedimentation tank was of darker color and showed less floculation. The dark color gradually extended toward the further end of the first tank, and began to show also at the entrance of the second tank, at the end of about 40 minutes.

The machine was again started for a short run. At first it was run without turning on the current, i. e., with the sewage passing through the electrodes and subjected to the stirring action of the rotating "paddles," but without being electrolyzed. The purpose of this was to see if the agitation produced by the rotating paddles would cause a more perfect admixture of the lime with the sewage, and improve the results obtained with lime alone. No improvement was noticed; after a few minutes, the current was turned on and allowed to remain for about 10 minutes. The current caused an immediate change in the appearance of the sewage in the flume.

At 4:45 P. M. the machine was stopped; and the attendants were instructed to run the sewage through the by-pass with lime-dosage for two or three days so as to produce sufficient effluent, under those conditions of operation, to displace all the electrolyzed effluent from the two tanks that are in regular use for producing sedimentation of the sludge.

The plant was operated in this manner from about 5 P. M. on May 26th to 10 A. M. on May 29th, at which time arrangements were made for a test when running with lime only (without electrolyzation).

On Friday, July 2d, the experiment just described in which the machine was operated with current only, without lime, was repeated, beginning at 1:30 P. M. in order to secure further information with reference to the effect of lime and the necessity for adding this chemical, in addition to the electrical treatment.

At the time of starting the experiment the machine was running normally and had been so for several days, current, lime and agitation being employed. The effluent was clear ad excellent in every respect. The lime was added at the far or outlet end of the machine. Sewage flow, 755,000 gals. per day. Current, 40 amperes, 120 volts. Lime dosage, one inch in 5 minutes, about 1,000 lbs. of hydrated lime (72.87% calcium oxide) being used per day. This is equivalent to 965 lbs. of lime per million gals., or 9 grains of lime per gallon.

Under these normal conditions the appearance of the liquid in the flume was good, with large flocks, which settled rapidly in the Imhoff tube, leaving a clear liquid above. The Imhoff reading was 20 c.c. (All Imhoff tube readings were made after 10 minutes' sedimentation.) The final effluent was nearly water-like in appearance, odorless, and there was no order in the tank-house or plant generally.

1:50 P. M. The current was cut off, and the agitation by means of the paddles stopped. The flow of milk of lime into the sewage at the outlet end of the machine was continued.

1:55 P. M. The liquid in the flume had become very noticeably darker, with much smaller flocks.

2:00 P. M. The liquid in the flume was decidedly dark, the flocks small. Imhoff tube reading 3 c.c.

2:02 P. M. The current was turned on again, other conditions remaining the same.

2:07 P. M. The liquid in the flume was lighter and the flock better.

2:12 P. M. The liquid in the flume same as at 2:07 P. M. A half gallon sample was lighter in color than a sample at 2 P. M. Imhoff tube reading, 10 c.c.

2:17 P. M. The point of lime feed was changed, so as to allow the lime to be admitted at the suction end of the pump, thereby being mixed with the sewage which then passed through the machine. The current was turned off, and there was no agitation by means of the paddles.

2.22 P. M. The liquid in the flume was darker, and the flocks smaller.

2.31 P. M. The liquid in the flume still dark, the flocks small and poor. In the Imhoff tube, the flocks appeared small and poor. Imhoff tube reading, 0.75 c.c.

2.32 P. M. The electrolyzing current was again turned on, and agitation by means of the paddles started. The lime continued to be added through the pump.

2.42 P. M. Color dark in the flume, but flocculation better.

2.46 P. M. Imhoff tube reading, 16 c.c., but the sediment was dark in color.

2.47 P. M. The electrolyzing paddles and current continued in operation, but the lime was introduced at the outlet end of the machine. This reproduced the conditions found at 1.30 P. M.

2.52 P. M. The liquid in the flume became lighter, with a heavy flock, quickly settling. The deposit in the Imhoff tube was heavy, and settled rapidly.

This experiment, together with the one previously made, showed that electrolyzation of the sewage serves to produce a lighter colored effluent, and materially increases the amount of flocculation and precipitation of the suspended matter in the sewage, probably because the current tends to agglutinate the collodial particles.

The chemical analysis of the effluent show that when the current and lime are both used the effluent is more free from nitrogenous organic matter, 60 per cent. of the total organic nitrogen being removed; whereas when the current is not used only 11 per cent. of the nitrogenous organic matter is removed and bacteria multiply in the effluent, probably because of the greater abundance of food.

Test No. 12.
*Samples Taken May 26th.*

At 2.55 P. M. *the electric current was cut off*. Rate of flow of sewage remained the same.

At 2.55 P. M. the lime dosage was equivalent to 10 grains per gallon. The attempt was made to keep the lime dosage constant, but the character of the apparatus for the lime dosage rendered it impossible to regulate the lime dosage accurately.

*Chemical Analysis.*
Results Given in Parts Per Million.

| | A | B | B |
|---|---|---|---|
| Time | 4.15 P.M. | 4.20 P.M. | 4.20 P.M. |
| Temp. degrees C | 13 deg. | 13 deg. | 13 deg. |
| Nitrogen as | | | |
| Nitrites | | | 0.0 |
| Nitrates | | | 0.04 |
| Free Ammonia | | | 14.8 |
| Total Organic Nitrogen | | | 4.4 |
| Oxygen dissolved | 3.00 | 4.42 | 4.7 |
| Per cent of Saturation | 28.36 | 43.04 | 44.34 |
| Consumed | | | 25.7 |
| Turbidity | | | 30.0 |
| Color | | | 50 |
| Chlorine | | | 75.3 |
| Carbon Dioxide | 18.5 | | 0 |
| Calcium Oxide | | | 0 |
| Alkalinity | | 299.9 | 194 |
| Calcium Carbonate | 249 | 177.6 | |

Test No. 12.
*Samples Taken May 26th.*
*Bacteriological Examination.*

| | A | B | B |
|---|---|---|---|
| Time | 4.15 | 4.20 | 4.20 |
| Temperature degrees C | 13 deg. | 13 deg. | 13 deg. |
| Bacteria per c.c.— | | | |
| Agar | 210,000 | 11,150 | 61,000 |
| Gelatine | | | 215,000 |
| B. Coli | 1-1,000+ | 1-1+ | 1-100+ |
| Putrescibility | | 4 days | 4 days |
| *After Standing 2 Days.* | | | |
| Agar | | | 9,360,000 |
| Gelatine | | | 33,120,000 |

Test No. 13.
*Samples Taken May 27th.*

Since 2.55 P. M. May 26th, *the electric current had been shut off*, but the lime had been added to the sewage which went through the by-pass. A sample was taken of the raw sewage for bacteriological examination and of B for chemical and bacteriological tests with the exception of dissolved oxygen, the following results were obtained:

*Chemical Analysis.*
Results Given in Parts Per Million.

| | B |
|---|---|
| Time | 3.20 P.M. |
| Nitrogen as | |
| Nitrites | 0 |
| Nitrates | 0 |
| Free Ammonia | 16.8 |
| Total Organic Nitrogen | 8 |
| Oxygen consumed | 21.7 |
| Turbidity | 50 |
| Color | 40 |
| Chlorine | 69 |
| Carbon Dioxide | 0 |
| Calcium Oxide | 0 |
| Alkalinity | 264.5 |

*Bacteriological Examination.*

| | A | B |
|---|---|---|
| Time | 3:20 P. M. | 3:20 P. M. |
| Bacteria per c.c. | | |
| Agar | 140,000 | 51,000 |
| Gelatine | 476,000 | 146,000 |
| B. Coli | 1-1,000+ | 1-10 + |
| | | 1-100+ |
| *After 8 Days.* | | |
| Bacteria per c.c. | | |
| Agar | 120,000 | 77,000 |
| Gelatine | 280,000 | 2,530,000 |

Test No. 14.
*Samples Taken May 28th.*

Plant running on by-pass with electric current shut off.

Sewage flow averaged.....720,000 gallons per 24 hours
Dose of Lime (CaO).....1,263 lbs. (CaO) per million gallons equivalent to 8.8 grains per gallon

General appearange of flocks and precipitation in the flume good.

*Samples Taken May 28th.*
*Chemical Analysis.*
Results Given in Parts Per Million.

| | A | B | B |
|---|---|---|---|
| Time | 11:25 | 11:30 | 11:35 |
| Temperature degrees C | 12.5 deg. | 13 deg. | 13 deg. |
| Oxygen dissolved | 2.90 | 3.73 | 4.70 |
| % of Saturation | 27.07 | 35.21 | 44.34 |
| Carbon Dioxide | 37.84 | | |
| Calcium Oxide | 0 | 0 | 0 |
| Calcium Carbonate | | 218.7 | 54.13 |
| Calcium Bicarbonate | 302.0 | 452.5 | 103.5 |

*Bacteriological Examination.*

| | A | B | B |
|---|---|---|---|
| Time | 11:25 | 11:30 | 11:35 |
| Temperature degrees C | 12.5 deg. | 13 deg. | 13 deg. |
| Bacteria per c.c. | | | |
| Agar | 340,000 | 6,200 | 520 |
| B. Coli | 1-10,000+ | 1-1+ | 1+ |
| Putrescibility | 1 | 4 days | 4 days |

Test No. 15.
*Samples Taken May 29th.*

Plant operating on line (CaO) only, using by-pass with machine cut out; had been so running since Wednesday the 26th at 2.55 P. M., with only a short interruption on the afternoon of May 26th.

Sewage flow averaged.....745,000 gallons per 24 hours
Dose of Lime (CaO).....1,159 lbs. (CaO) per million gallons equivalent to 8.1 grains per gallon

General appearance in flume good. General appearance of flow good. Appearance in Imhoff tubes showed quick settlement with clear liquid above. Took samples for photograph at 10.37, and photographed B after ten minutes standing and also after 30 minutes standing. Took photographs of samples at 12.35 B after ten minutes' settling and after thirty minutes' settling. At 12:40 turned on the current, machine running under normal conditions of current, lime and agitation. About 1.05 took sample at B to photograph for comparison with sample from same point taken at 12.35, the first without the current and the second with the current on. These samples were photographed on the same plate. In physical appearance they were identical, each having 12 c.c. of deposit in the Imhoff tube with clear liquid above. Differences in chemical and bacteriological composition are pointed out in "Notes on Average Results."

*Chemical Analysis.*
Results Given in Parts per Million.

| | A | B | C | C |
|---|---|---|---|---|
| Time | 11:22 | 11:25 | 11:28 | 11:30 |
| Temperature, degrees C | 12.5 deg. | 13 deg. | 13 deg. | 13 deg. |
| Nitrogen as | | | | |
| Nitrates | | | | 0.32 |
| Nitrates | | | | 3.6 |
| Free Ammonia | | | | 9.2 |
| Total Organic Nitrogen | | | | 3.6 |
| Oxygen dissolved | 3.66 | 3.94 | 4.29 | |
| % of Saturation | 34.17 | 37.11 | 40.42 | |
| Oxygen Consumed | | | | 21.0 |
| Turbidity | | | | 5 |
| Color | | | | 14 |
| Chlorine | | | | 58 |
| Carbon Dioxide | 32.56 | | | 0 |
| Calcium Oxide | | | | 14 |

| | A | B | C | C |
|---|---|---|---|---|
| Calcium Carbonate | | 188.39 | 119.1 | |
| Calcium Bicarbonate | 292.33 | 520.9 | 117.5 | |
| Alkalinity | | | | 155.3 |

*Bacteriological Examination.*

| | A | B | C | C |
|---|---|---|---|---|
| Time | 11:22 | 11:25 | 11:28 | 11:30 |
| Temperature, degrees C. | 12.3 deg. | 13 deg. | 13 deg. | 13 deg. |
| Bacteria per c.c. | | | | |
| Agar | | | | 10,000 |
| Gelatine | | | | 112,000 |
| B. Coli | | | | 1-100+ |
| Putrescibility | | 4 days | 4 days | |

*After Standing 3 Days.*

| | |
|---|---|
| Agar | 1,540,000 |
| Gelatine | 19,300,000 |

TEST No. 16.

*Samples Taken on June 28th.*

The plant had been running without current, lime only being added, since 4.00 P. M. June 25th. The sample of sewage taken was a composite sample, one liter being taken every 15 minutes from 11.20 P. M. to 1.20 P. M.

*Samples Taken on June 28th.*

*Chemical Analysis.*

Results Given in Parts Per Million.

| | A | A | B | B | C | C | D |
|---|---|---|---|---|---|---|---|
| | deg. | deg. | deg. | deg. | deg. | deg. | deg. |
| Time 11.20 | 1.20 | 1.20 | 10.45 | 10.45 | 10.35 | 10.35 | 10.55 |
| Temp., degrees C. | 14¾ | 14½ | 14½ | 14½ | 14½ | 14½ | 15 |
| Nitrogen as— | | | | | | | |
| Free Ammonia | 22 | | 20.4 | | 10.8 | | |
| Total Organic Nitrogen | 3.6 | | 1.2 | | 2.8 | | |
| Oxygen Dissolved | 2.36 | 2.67 | 2.80 | 3.12 | 5.07 | 5.14 | 8.47 |
| Per Cent. of Saturation | 23.14 | 26.02 | 27.33 | 30.47 | 49.36 | 50.18 | 83.45 |
| Chlorine | 72.4 | | | | | | |
| Turbidity | 50 | | 20 | | 15 | | |
| Odor | strong sewage | | strong sewage | | distinctly putrid | | |
| Carbon Dioxide | 9.56 | | 0 | | 0 | | |
| Calcium Oxide | 0 | | 19.6 | | 14.56 | | |
| Alkalinity | 244.1 | | | | | | |
| Total Solids | 670 | | 170 | | 134 | | |

*Bacteriological Examination.*

| | A | A | B | B | C | D |
|---|---|---|---|---|---|---|
| Bacteria per c.c.—Agar | 124,000 | 120,000 | 26,000 | 13,250 | 10,000 | 7,400 |
| B. Coli | 1-1,000+ | 1-100+ | | | | |
| | | 1-1,000 not made | | | 1-100+ | 1-100+ |
| *After Standing One Day.* | | | | | | |
| Agar | | | 1,860,000 | 4,032,000 | | 750,000 |
| *After Standing Two Days.* | | | | | | |
| Agar | | | 520,000 | 2,670,000 | | 591,000 |
| *After Standing Three Days.* | | | | | | |
| Agar | | | 820,000 | 338,000 | | 105,000 |

SUMMARY OF RESULTS OBTAINED WITH LIME ONLY ON ELMHURST SEWAGE.
TABLE I-A.

| *Composition of Sewage—Sample A.* | | | | | | Average |
|---|---|---|---|---|---|---|
| Nitrogen as— | | | | | | |
| Nitrites | | | | | | |
| Nitrates | | | | | | |
| Free Ammonia | | | | 22 | | 22 |
| Total Organic Nitrogen | | | | 3.6 | | 3.6 |
| Oxygen dissolved | 3.00 | 2.90 | 3.66 | 2.36 | 2.67 | 2.92 |
| Per Cent. of Saturation. | 28.36 | 27.07 | 34.17 | 23.14 | 26.02 | 27.75 |
| Consumed | | | | | | |
| Turbidity | | | | 50 | | 50 |
| Color | | | | | | |
| Carbon Dioxide | 18.5 | 37.84 | 32.56 | 9.56 | | 24.62 |
| Calcium Oxide | | 0 | | 0 | | 0 |
| Alkalinity | | | | 244.1 | | 244.1 |
| Calcium Carbonate | 249 | | | | | 249 |
| Total Solid | | | | 670 | | 670 |
| Bacteria per c.c.—Agar. | 210,000 | 340,000 | | 124,000 | 120,000 | 198,500 |

SUMMARY OF RESULTS OBTAINED WITH LIME ONLY ON ELMHURST SEWAGE.
TABLE II-A.

| *Composition of Sample B.* | | | | | | | | Average |
|---|---|---|---|---|---|---|---|---|
| Nitrogen as— | | | | | | | | |
| Nitrites | | 0.0 | 0.0 | | | | | 0 |
| Nitrates | | 0.04 | 0.0 | | | | | .02 |
| Free Ammonia | | 14.8 | 16.8 | | | 20.4 | | 17.3 |
| Total Organic Nitrogen | | 4.4 | 8 | | | 1.2 | | 4.5 |
| Oxygen dissolved | 4.42 | 4.7 | | 3.73 | 3.94 | 2.80 | 3.12 | 3.78 |
| Per Cent. of Saturation | 43.04 | 44.34 | | 35.21 | 37.11 | 27.33 | 30.47 | 36.25 |
| Consumed | | 25.7 | 21.7 | | | | | 23.7 |
| Turbidity | | 30.0 | 50 | | | 20 | | 33 |
| Color | | 50 | 40 | | | | | 45 |
| Carbon Dioxide | | 0 | 0 | | | 0 | | 0 |
| Calcium Oxide | | 0 | 0 | 0 | | 19.6 | | 19.6 |
| Alkalinity | 299.9 | 194 | 264.5 | | | | | 252.8 |
| Calcium Carbonate | 177.6 | | | 218.7 | | 188.39 | | 194.9 |
| Total Solids | | | | | | 170 | | 170 |
| Bacteria per c.c.— | | | | | | | | |
| Agar | 11,150 | 61,000 | 51,000 | 6,200 | | 26,000 | 13,250 | 28,100 |

SUMMARY OF RESULTS OBTAINED WITH LIME ONLY ON ELMHURST SEWAGE.
TABLE III-A.

| *Composition of Sample C.* | | | | | | Average |
|---|---|---|---|---|---|---|
| Nitrogen as— | | | | | | |
| Nitrites | | | 0.32 | | | .32 |
| Nitrates | | | 3.6 | | | 3.6 |
| Free Ammonia | | | 9.2 | 10.8 | | 10.0 |
| Total Organic Nitrogen | | | 3.6 | 2.8 | | 3.2 |
| Oxygen dissolved | 4.70 | 4.29 | | 5.07 | 5.14 | 4.80 |
| Per Cent. of Saturation. | 44.34 | 40.42 | | 49.36 | 50.18 | 46.07 |
| Consumed | | | 21.0 | | | 21.0 |
| Turbidity | | | 5 | 15 | | 10 |
| Color | | | 14 | | | 14 |
| Carbon Dioxide | | | 0 | 0 | | 0 |
| Calcium Oxide | 0.0 | | .14 | 14.56 | | 7.35 |
| Alkalinity | | | 155.3 | | | 155.3 |
| Calcium Carbonate | 54.13 | 119.1 | | | | 86.61 |
| Total Solids | | | | 134 | | 134 |
| Bacteria per c. c.— | | | | | | |
| Agar | 520 | | 10,000 | 10,000 | | 6,840 |

*Notes on Average Results.*

It will be noted on reference to the results given in the average columns of Tables I-A, II-A, III-A, p. 34, that the percentage of nitrates in sample B is very small and differs in this respect from the corresponding average in the electrolytic treatment (Table I). In sample C (Table III-A), however, the percentage of nitrates is 3.6, which is very nearly equal to the corresponding average in Table III.

The organic nitrogen decreases from 3.6 (Sample A, Table I-A) to 3.4 (Sample B, Table II-A), which is a reduction of only 6% compared with 33% in the table of electrolytic treatment (Table II). Between B and C there is a further decrease of only 6% compared with 40% in the table of electrolytic treatment. This indicates an important difference between these methods of treatment and shows that the removal of organic nitrogen is comparatively slight in the case of treatment with lime alone.

The total increase in percentage of dissolved oxygen between samples A and C is 18.32% as compared with 25.40% in the case of the electrolytic treatment. The decrease in bacteria count between A and C is 96.6% as compared with decreases of 84 and 96.5%, respectively, in the case of the electrolytic treatment.

IV. RESULTS OBTAINED WHEN ADDING LIME AND BLEACHING POWDER WITHOUT ELECTROLYZATION, TO ELMHURST SEWAGE.

These experiments were carried out to ascertain if the chlorine and available oxygen in bleaching powder would have the same effect in producing an effluent equal to that produced by lime and electrolyzation. These experiments were carried out after a visit had been made by two of us (Drs. Mason and Olsen) to the sewage disposal plant at Providence, R. I., where lime and bleaching powder have been used for a great many years in the treatment of the municipal sewage. At the Providence plant, 144 lbs. of bleaching powder and 400 lbs. of lime are used per million gallons of sewage treated. The sewage so treated is allowed to settle in sedimentation tanks, and to the sludge produced an additional quantity of lime is added. The sludge obtained per million gallons of sewage treated was 1,758 gallons (containing 9.9% solids). The lime added was 60 lbs. per thousand gallons of sludge. This is equivalent to 105 lbs. of lime per million gallons of sewage, making the total quantity of lime added 505 lbs. per million gallons of sewage. The lime used contained, on the average, 80% of calcium oxide. The effluent as discharged into the river contains from 20 to 50% of dissolved oxygen. The dissolved oxygen in the river is generally zero. Sixty-five per cent of the total bacteria were removed, as counted on litmus agar, incubated at 37½°. The B. Coli removed amounted to 97%. The effluent is putrescent and quite impure, but the use of the process is justified by the polluted condition of the river, so that the requirements for purity are very low. The statement was made that if it should become necessary to secure a higher state of purity, a more efficient process of sewage disposal than the one now in use must be installed.

In order to obtain results which would serve for comparison between the methods used at Providence and at Elmhurst, arrangements were made for conducting tests with lime and bleaching powder at two independent laboratories. Four series of tests were made.

*Series No. 1.* The first two series of tests were made on a sample of sewage collected at Elmhurst on June 11th at 11 A. M.

Bleaching powder added, 144 lbs. per million gallons.

Lime added, 400 lbs. per million gallons.

These quantities are approximately equivalent to those used at Providence. The sewage samples thus dosed with chemicals, together with undosed samples, were set aside for observation as to change in total count of bacteria per c.c.

*After Standing One Hour.*

| | Raw Sewage. | Treated Sewage. | Odor. |
|---|---|---|---|
| Agar | 62,000 | 1,830 | Chlorine |
| Gelatine | 520,000 | 22,000 | |
| *After Standing 21 Hours.* | | | |
| Agar | 970,000 | | Quite putrid |
| Gelatine | 2,430,000 | | |
| *After Standing Three Days.* | | | |
| Agar | 1,800,000 | | Very putrid |
| Gelatine | 2,000,000 | | |

*Series No. 2.*

Bleaching powder added, 288 lbs. per million gallons.

Lime added, 800 lbs. per million gallons.

These quantities are approximately double those used at Providence.

| | Raw Sewage. | Treated Sewage. | Odor. |
|---|---|---|---|
| Agar | 62,000 | 200 | Chlorine |
| Gelatine | 520,000 | 4,200 | |
| *After Standing 24 Hours.* | | | |
| Agar | | 200 | Slight chlorine |
| Gelatine | | 160 | |
| *After Standing Three Days.* | | | |
| Agar | | 5,550,000 | Putrid |
| Gelatine | | Plates entirely liquified. | |

*Series 3 and 4* were made on a sample of sewage collected at Elmhurst on June 22d.

Bleaching powder added, 196.1 lbs. of 30% bleaching powder per million gallons, equivalent to 58.8 lbs. of chlorine per million gallons or 7.1 parts of chlorine.

Lime added, 127.6 parts pure CaO per million gallons. Comparison was made with a sample C from the electrolytic—lime treatment.

*After Three Hours.*

| | Treated with Bleach and Lime. | |
|---|---|---|
| Agar | 10 | 340 |
| B. Coli | 1 c.c.+ | 1 c.c.+ |
| *After 24 Hours.* | | |
| Agar | 50 | 240 |
| B. Coli | 1 c.c.— | 1 c.c.— |
| *After Five Days.* | | |
| Agar | 30,000 | 24 |

Bleaching powder added, 235 lbs. of 23% chlorine per million gallons, which is equivalent to 63 lbs. of chlorine per million gallons or 6.5 parts chlorine per million gallons.

| | | |
|---|---|---|
| *After Three Hours.* | | |
| Agar | 580,000 | 130 |
| B. Coli | | 0 |
| *After 24 Hours.* | | |
| Agar | | 230 |
| B. Coli | | 0 |
| *After 48 Hours.* | | |
| Agar | 300,000 | 50 |
| B. Coli | | 0 |
| *After 72 Hours, 3 Days.* | | |
| Agar | 610,000 | 40 |
| *After 4 Days.* | | |
| Agar | 620,000 | 0 |
| *After 5 Days.* | | |
| Agar | 4,460,000 | 0 |
| B. Coli | | 0 |

STABILITY OF SEWAGE AND EFFLUENT WHEN USING LIME ONLY.
Represented by the number of bacteria per c.c. incubated on agar.

| | A | B | C | C |
|---|---|---|---|---|
| At time of taking sample | 140,000 | 51,000 | | |
| After standing 8 days | 120,000 | 77,000 | | |
| At time of taking sample | | | 10,000 | |
| After standing 3 days | | | 1,540,000 | |
| At time of taking sample | 124,000 | | 10,000 | 7,400 |
| After standing 1 day | 1,860,000 | | 4,032,000 | 750,000 |
| After standing 2 days | 520,000 | | 2,670,000 | 591,000 |
| After standing 3 days | 820,000 | | 338,000 | 105,000 |

STABILITY OF EFFLUENT FROM ELECTROLYTIC PROCESS.
As represented by the number of bacteria per c.c. after platting on agar.

| | A | B | C | C |
|---|---|---|---|---|
| At time of taking sample | | 3 | 170 | |
| After standing 24 hours | | 0 | 21 | |
| At time of taking sample | | 30,000* | 400 | |
| After standing 2 days | | 1,820,000* | | |
| After standing 9 days | | | 37 | |
| At time of taking sample | 550,000 | | | 105 |
| After standing 4 days | 620,000 | | | 24 |

* As may be noted by reference to Test No. 10, there was no excess of lime in Sample B. This probably accounts for the large number of bacteria in this sample.

V. COST OF OPERATION.

The cost of operation has been calculated on the basis of a million gallon plant, which is the capacity of the present plant, and also on the basis of a three million gallon plant, as it is anticipated that with the growth of the section the plant at Elmhurst will, in the near future, be called upon to take care of at least three million gallons of sewage.

Attention has already been called, in this report, to the fact that three of the four stages of operation of the electrolytic process in use at Elmhurst are common to various other methods of sewage treatment. This circumstance enables us to refer to cases where the process of sewage treatment employed includes these three stages, under conditions (as to amount and character of the raw sewage, sedimentation tanks, etc.) more or less comparable with the conditions at Elmhurst. For instance, in the sewage disposal plant at Worcester, Mass., all the stages of operation are the same as at Elmhurst, with the exception that the sewage is not electrolyzed before or after the milk of lime is added to it, as is done at Elmhurst. The addition of the items of cost of electrolyzation to the total cost figures for cases like the Worcester plant would give, therefore, an estimate of the total cost of treatment in which the main portion of the cost can be determined by reference to figures constituting results of actual practical operation. This affords a convenient and valuable check upon direct estimates made of the cost of operation of the electrolytic process at Elmhurst.

*(a) Electric Current and Power.*

From the data of our tests, which covered a considerable range of electrolyzing current, we have made an estimate of the minimum electrical power and energy required for electrolyzation under properly regulated conditions.

The cost of this electrical energy has been figured at the price paid by the City, namely 4 cents per kilowatt-hour.

The amount of electric current used for agitating in the lime-vat may be reduced, inasmuch as hydrated lime is being used. It is also possible to feed the milk of lime by gravity and thus do away altogether with the electric motor and pump used for this purpose.

The electric current used for pumping is probably very near the minimum required for this purpose at the Elmhurst plant. The location and construction of this plant is such that the sewage flows into a rather deep well, from which it is necessary to raise it to the level of the sedimentation tanks. In other locations where the topographical conditions are different, this item could be eliminated, the sewage flow through the machine and the sedimentation tanks being obtained by gravity.

*(b) Lime.*

We have based our estimate of the lime on the actual amount used during the period of observation, and this quantity will probably not be materially reduced in the future. The figure used for the price of lime is the current price at which hydrated lime can be obtained in carload lots delivered at the plant.

*(c) Labor.*

It has been very difficult to estimate the cost of labor and supervision for the Elmhurst plant, because during the entire time of observation the plant has been in a more or less experimental state, and the method of operation has been continually changed for the purpose of experiment, or to improve the process. This has necessitated a great deal more labor than will be required when the plant is in regular operation. The chief labor required involves regulation of the sewage flow, the keeping of records, cleaning of screens, dumping lime in lime-vats, filter pressing and cleaning of tanks. The latter may be very much reduced when only electrolytic sludge is produced. The labor involved in filter pressing is included in the item of sludge removal.

*(d) Maintenance, Supplies, Etc.*

An allowance of $1.00 per million is made in our estimate for the maintenance, supplies, and sundries. The principal item will be the renewal of the iron electrode plates.

*(e) Sludge.*

The cost of sludge pressing and disposal is based upon experience at Providence, R. I., where the conditions are very similar to those at Elmhurst. Similar filter presses are used, and the sludge is produced by adding lime to the sewage. The sludge at Providence is disposed of by carrying it five miles to sea in scows and dumping it. This item of cost may be materially reduced at Elmhurst by utilizing the sludge to fill in the low and swampy ground in the vicinity. It may be possible to omit the filter pressing entirely and pump the sludge, or else allow it to flow by gravity over the surrounding meadows, allowing the water to drain off. This plan would materially reduce this item of expense.

ESTIMATED COST OF ELECTROLYTIC PURIFICATION OF SEWAGE AT ELMHURST.
*One Million Gallon Unit.*

| | | |
|---|---|---|
| Lime, 1,300 lbs. at $7.90 per ton | | $5 14 |
| Electricity for electrolysis, 85 kilowatt hours, at 4 cents | | 3 40 |
| Electricity for agitation, 60 kilowatt hours at 4 cents | | 2 40 |
| Electricity for lime vat, 16 kilowatt hours at 4 cents | | 64 |
| Sludge pressing and removal (based on experience at Providence, R. I.) | | 5 11 |
| Labor and Supervision— | | |
| Superintendent | $150 | |
| Junior Chemist | 75 | |
| Two laborers | 150 | 12 50 |
| | $375 | |
| Maintenance and supplies | | 1 00 |
| | | $30 19 |
| Pumping 174 kilowatt hours at 4 cents | $6 96 | |

ESTIMATED COST OF ELECTROLYTIC PURIFICATION OF SEWAGE AT ELMHURST.
*Three Million Gallon Unit.*

| | | |
|---|---|---|
| Lime, 1,300 lbs. at $7.90 per ton | | $15 42 |
| Electricity for electrolysis at 4 cents per kilowatt hour | | 9 60 |
| Electricity for agitation at 4 cents per kilowatt hour | | 7 20 |
| Electricity for lime for agitation, 32 kilowatt hours at 4 cents | | 1 28 |
| Sludge pressing and removal (based on experience at Providence, R. I.) | | 15 33 |
| Labor and Supervision— | | |
| Superintendent | $150 | |
| One Junior Chemist | 75 | |
| Three laborers at $2.50 | 225 | |
| | $450 | 15 00 |
| Maintenance and supplies, etc | | 3 00 |
| | | 3)$66 83 |
| | | $22 28 |
| Pumping 475 kilowatt hours at 4 cents | $18 80 | |

VI. DISCUSSION OF PROCESSES AND RESULTS.

The requirements for the purity of the effluents of sewage disposal plants have recently undergone a marked change. A few years ago there was comparatively little demand for any form of sewage treatment. As the density of population increased and the streams became more and more polluted, sewage disposal works were installed and a partial purification was secured which was continued by natural processes after the sewage effluent was delivered to the water courses. At present the water in some of the rivers near great centers of population, as at Chicago, differs but little from the raw sewage itself, a state of affairs detrimental to public health and welfare. As the density of population increases, such conditions of pollution become more serious, and are fast forcing themselves upon the attention of municipal authorities, a result which has led to the formation of sewage commissions, especially appointed for the consideration of these sanitary problems.

Electricity, in one manner or another, has been used in the past, as for instance, in the "Webster process," and the use of lime has been long known to Sewage Engineers. The novelty of the process in use at Elmhurst consists of the combination of lime and electrolysis, and in the apparatus employed for the purpose.

If the present proposed method of attacking the sewage problem is to meet with success, it must be shown to possess advantages over its predecessors in the matter of excellence of final products, or else in cost of operation, or in both.

As to the character of the effluent produced by the "lime process" as employed heretofore, it is poor, and the process cannot be rated as a success. Those cities which still retain it exhibit effluents which are not at all attractive in appearance, and the danger of the disposal works being pronounced a nuisance to nearby neighbors is ever a live topic for consideration by the local Sewage Boards.

The "nuisance question" is the really vital one to be considered in sewage treatment. Even that of "disease production" is of less importance, partly because of the great mortality among pathogenic organisms after they leave the body, and *partly* because of the unwritten rule that a down-stream community should, in common justice, bear its own reasonable part of the burden of rendering a somewhat polluted water fit for public use.

Therefore a sewage treatment process that can produce, at not too great a cost, an effluent which is not offensive to the senses and that will stand the commonly accepted tests as to non-putrescibility, supplies all that can be expected of it from the effluent point of view. To this must be added consideration of the question of "sludge disposal," always a vexing and expensive one.

To the question, does the sewage treatment plant at Elmhurst provide an effluent of the character above stated, the answer must be that it does, and this decision can be verified by a simple inspection of the liquid as it passes over the out-fall weir. In appearance it is practically like water and it is without smell; its chemical composition is greatly different from that of the raw sewage; its bacteriological condition is greatly improved and it is non-putrescent. It is, however, the average drop in "color" from 47 to 19 parts per million and the change in "turbidity" from 41 to 7, together with its general good physical appearance, that appeals to the ordinary layman, and he is a competent judge in such matters. The average man may need the laboratory to assist him towards believing that a filthy-looking liquid is really harmless, but he will himself pass judgment upon one that is nearly "water-white." It is true that a fatal error might be committed by judging of a drinking water after such a manner, but we are here speaking of what is actually known to be a sewage effluent.

The effluent obtained by the use of the Elmhurst plant is commonly of superior appearance, very markedly in contrast with those to be seen at Jamaica, South Brooklyn, Providence, R. I., and Worcester, Mass., at which places the effluents resemble untreated sewage. The effluent from the Elmhurst plant during the period covered by the test was not of a uniform degree of excellence.

The conditions which produced these variations, as shown by the observations and analyses made, are set forth in the remarks made on tests Nos. 1 to 11, and may be briefly stated to be: variation in the lime of dosage, the amount of current employed, the density of the sewage, non-uniformity in the volume of sewage flow, or else to temporary defects in the electrolytic process itself. Conditions were intentionally varied at times to ascertain their effect on the purifying process, while at times disturbing factors entered which could not be avoided, this being especially true of the lime dosage and the strength of the sewage. The change in the character of the sewage from time to time is, of course, beyond control, and possibly changes in its volume and rate of flow may be uncontrollable as well, but doubtless a more perfect mechanism for administering the dose of lime can be devised, and improvements in the process of electrolyzation are being developed as the result of increased experience in the use of the machine.

Where bathing is common in a stream into which raw sewage is regularly admitted, there is no question but that a change resulting in the substitution of an effluent such as that commonly furnished by the Elmhurst plant would result in a very material improvement; and, if the stream were a large one, danger to the bathers would be removed. The question is largely one of æsthetics. An undiluted sewage effluent, no matter how pure, is not to be lightly recommended for bathing purposes, although in at least one instance such a liquid is locally used for drinking. What has been said about bathing would apply as well to the action on fish life with the addition that the excess of lime present in the effluent at times would probably be an overdose for some kinds of fish. The dilution by the water of the stream would, however, be probably sufficient to remove all danger.

It is pertinent to inquire: are the good results observed at Elmhurst due to a dilute sewage The sewage flowing there is not so strong as at Worcester, Mass., and at sundry other places using lime process plants, yet that it is a true sewage may be seen both from its general appearance and from the following analysis. (Results in parts per million):

| | Worcester, Mass. | Average for 7 Mass. Cities. | Elmhurst. |
|---|---|---|---|
| Total solids | 873.5 | 506.5 | 664 |
| Free Ammonia | 17.1 | 26 | 26.3 |
| Albuminoid Ammonia | 7.3 | 5.6 | 4.8 |
| Oxygen consumed | 120.7 | 66.6 | 44.2 |
| Chlorine | 114 | 60.3 | 70 |
| Total Organic N. | | | 15.4 |

Can the results obtained at Elmhurst be secured by employing lime alone without the use of the electrolyzation process

During the tests at Elmhurst the effect of lime alone on the physical appearance of the effluent was tried out with the following results: Upon two occasions when using the same flow from the lime tank during each test, but cutting out the electric current, a flocculated sewage was obtained which precipitated its solids as well and as quickly as did the corresponding samples obtained at the same point when the plant was running under "normal" conditions, i. e., with electric current and lime both in use. This was graphically shown by photographing the two kinds of samples side by side. No difference in appearance between them could be detected. At other times, however, practically no flocculation was produced when the usual dose of lime was employed without the aid of electrolyzation. In one particular series of experiments this poor result following the use of lime alone was especially well set forth. Tests made in the chemical laboratory using lime both with and without electrolyzation showed that in order to obtain flocculation and precipitation of the solids of the sewage a much larger dosage of lime and more time was generally required when lime only was used than when both lime and electricity were used.

Lime alone will give a water-like effluent if enough of it be used, as was shown by heavily dosing the Worcester sewage. About 200 grains of lime per gallon added to Worcester sewage produced a water-like effluent after standing half an hour; but when only 30 grain per gallon were employed, the sedimentation period had to be extended to from 4 to 8 hours. At Elmhurst the amount of lime used was only 7½ and 9½ grains per gallon.

It would appear, therefore, that so far as sedimentation and physical appearance of the effluent are concerned, when electrolytic action is employed less lime is required and precipitation is more rapid.

There is also a difference between the bacteriological results obtained in the two cases. The destruction of bacterial life by the direct action of the electric current probably does not occur, nor is it necessary to assume such action in order to account for the small number of bacteria found in the final electrolyzed effluent for the reason that simple sedimentation of the heavy flocks of suspended matter that deposit subsequently in the settling basins is quite sufficient to carry down in great numbers all forms of bacterial life.

There is, however, as already shown, marked difference in the chemical composition of the effluent produced by lime alone as compared with that produced by lime and electrolyzation, as the latter contains less organic matter. The chemical analysis shows that some oxidation of organic matter has taken place. Can any work of this kind be credited to the action of the electric current?

It is common, when discussing electrolytic processes for sewage treatment, to speak of the liberation of chlorine, or the formation of a hypochlorite by the action of the electric current upon the common salt present in the sewage, and then to credit such substances with much of the beneficial action claimed for the

process. Careful chemical examinations, made on sundry occasions, of the effluent from the electrolytic machine at Elmhurst failed to give any reaction whatever for free chlorine or for hypochlorites; and we feel warranted in the conclusion that neither of these substances is present in the electrolyzed sewage at Elmhurst.

These examinations indicate that the effluent of the electrolytic process, as carried on at Elmhurst, is different in character from that produced by the addition of lime and a hypochlorite, as for instance, bleaching powder, to the same sewage. We incline to the theory that during the electrolyzation of the sewage in the machine at Elmhurst, nascent oxygen is produced and that neither chlorine nor a hypochlorite is involved in the reaction.

It is not claimed that in other plants, using electric means for sewage treatment and operating under different conditions, hypochlorites or chlorine are not produced; all that we state here is that those substances were carefully tested for in the liquid flowing from the Elmhurst electrolytic machine and were not found.

There is enough electric current passed through the sewage to produce oxygen to the extent of about two cubic centimeters per liter. This volume is not large, but it must be remembered that it is produced in the nascent or atonic state and is therefore at its maximum of oxidizing power. As to the partial æration of the sewage shown by the increase in dissolved oxygen the possibility of crediting that to the moving paddles must be borne in mind, but also it must be noted that the paddles are moving in a vessel under pressure which is full of liquid with small chance of securing outside air.

After comparative operations while the plant was running first with and again without electric current, but maintaining a uniform does of lime in each case, the change in the appearance of the effluent under these two different modes of treatment suggests the theory that another function of the current is to cause an agglutination of colloidal particles.

Furthermore it would seem that such agglutination takes place better in the absence of lime than in its presence. This view would seem to be warranted by the observed fact that better flocculation was secured when the lime was added at the far or exit end of the machine.

The mode of action of the machine would therefore appear to be in addition to oxidation to cause an agglutination of colloidal particles to larger size by the electric current and, subsequently, a coagulation of all suspended matter by the lime.

If measured by weight of matter alone, the former part of this action, viz., that on the colloics, would appear to be less important, yet should it be omitted, clearness of the effluent would not with certainty be secured.

It is well to note that the qualities of the two effluents (viz., that produced while running with the current on, upon the one hand. and with it off, upon the other, but maintaining the dose of lime constant in each) differ materially when measured by their ability to sustain bacterial life. Thus it will be seen from the data that the low counts of bacteria in the effluent obtained by the use of both current and lime tended to fall still lower when the liquid was set aside for observation whereas the counts in the effluent obtained when running on lime alone started high and increased to still higher figures upon storage. This difference can probably be accounted for on the assumption that the unstable organic material present in the sewage has been in part removed by the process under consideration.

As to the sludge produced by the process, its volume is large as compared with that derived from plain sedimentation, being practically the same in amount as that formed by the process using lime alone. This was to have been expected.

When these two kinds of sludges were shaken up with water and then examined by the usual methylene blue test for putrescibility, we found the sludge produced by the use of lime alone to lose the blue color (i. e., indicate putrescibility) in about two days, thus having a relative stability rating of 50% according to the "Standard Methods" of the American Public Health Association. The sludge from the electrolytic process similarly treated retained the blue color for four days or more, thus possessing a relative stability rating of 95% or more according to the above standard method of rating. With both current and lime employed, the sludge press cake will dry to a stable and odorless brown mass.

In order to ascertain if odor or nuisance would result if the sludge were disposed of by dumping on vacant land, observations were made by two of us of the method of disposal of the lime sludge at Worcester, Mass.

The Worcester sludge we found dumped in piles whence the farmers drew it away during the winter months. The odor from these piles was much less than would arise from similar heaps of stable manure. There were houses within one hundred yards of the dumps. Inasmuch as we find the electrolytic sludge to have much greater stability than that produced by the use of lime alone, we believe that if it were to be placed in piles, there would be produced still less odor than the small amount we noted from the dump at Worcester.

The Elmhurst plant, as we have seen it during the past two months, has been operating upon a daily flow of about three-quarters of a million gallons of sewage. During that time we observed no unpleasant odor in the buildings occupied by the plant, and we noted that the sedimentation tanks had a clean appearance, the liquid in them being more like turbid river water than like the ill-appearing liquids commonly seen in tanks filled with sedimenting sewage effluents.

In conclusion we wish to call attention to the cost of sewage treatment by the former method at Elmhurst and the present electrolytic method:

Elmhurst (former method).....$65 00 per million gallons
Elmhurst (electrolytic method estimated)..... 22 28 per million gallons

It is evident from these figures that the electrolytic process at Elmhurst has a great advantage in point of cost over the process formerly used there. By comparison of this installation at Elmhurst with other methods, particularly those involving sedimentation, aeration and filtration through broken stone, sand or other material, the electrolytic process requires comparatively small space, the plant is clean and odorless, the cost of installation is small and is less restricted as to location. In view of the comparative excellence in qualities of effluent and sludge produced and the good character of the general results secured, together with the absence of all local nuisance, we are of the opinion that the use of the process at Elmhurst is justified and is warranted at other places, even at a higher operating cost.

Respectfuly submitted, W. P. MASON, J. C. OLSON, C. O. MAILLOUX, P. M. TRAVIS.

New York, N. Y., August 2, 1915.

Electro-Chemico Corporation, 120 Broadway, New York, August 24, 1915.

*Hon.* MAURICE E. CONNOLLY, Borough Hall, Long Island City, N. Y.:

Dear Sir—Will you be good enough to transmit to me an official copy of the Borough report as to the Elmhurst Plant for the disposal of sewage by the Electro-Chemical Corporation's process. Respectfully yours,

GEO. E. FEARONS, President.

The City of New York, Office of the President of the Borough of Queens, Long Island City, August 24, 1915.

ELECTRO-CHEMICO CORPORATION, 120 Broadway, New York, N. Y.

Gentlemen—Pursuant to the request contained in your communication of even date, I am sending you herewith copy of the official report of Martin F. Cody, Engineer in charge, of the Elmhurst Sewage Disposal Plant.

Very truly yours, MAURICE E. CONNOLLY, President of the Borough of Queens.

The City of New York, Office of the President of the Borough of Queens, Bureau of Sewers, Newton Disposal Works, August 24, 1915.

*Hon.* MAURICE E. CONNOLLY, *President, Borough of Queens:*

Dear Sir—I beg to submit for your information the working conditions of this plant under the old Septic System and the present Electrolytic System.

The old Septic System was in use here from January 1, 1906, the date this plant was first set in operation, to the month of March of the present year, a total period of nine years and three months. For the first three years of this time, the old method, while very odious, was also effective in disposing of the sewage. Its effectiveness was due to the fact that during those three years the flow of sewage was very light, not averaging over three hundred thousand gallons daily. As the years wore on, the flow kept increasing, until the year 1914, when it reached an average daily flow of between six and nine hundred thousand gallons. Then it became evident that if this plant was to be kept in operation, some other method of sewage disposal would have to be installed.

Five laborers were kept employed every working day in the year, with the result that we were unable to dispose of more than 30 per cent. of the sludge. Our failure to dispose of the sludge was due to the lack of drying and burning capacity which the system provided. It was clear to me, as well as to all other interested persons who visited here before the Electrolytic apparatus was set in operation, that, so far as the disposal of sludge was concerned, the old Septic System was an absolute failure. You may be able to recall a visit you made here in the early Spring, when the old system was yet in operation. I then called your attention to the sludge piled up some three feet high in the drying room and from four to six feet high in the settling tanks and receiving well; in fact, the sludge was piled up in every available place in and around the plant, as well as in the sewer itself.

The old method was not only ineffective in disposing of the sludge, but it was the most odious process that the human mind could conceive. The operation of the System called for the drying of the sludge over heated coils of steam pipes, from which it gave a disgusting and sickening vapor. This nauseating vapor not only poisoned the air inside of the plant, but in heavy and foggy weather contaminated the air for a radius of a mile.

On the 16th inst. I had the settling tanks run off after pumping 14 days, during which time there was treated by the Electrolytic process over ten million gallons of sewage, from which I found 18 tons of sludge. This sludge, with the aid of two laborers, was all disposed of inside of two days. Under the old method of drying and draining, this amount of sludge would take five laborers 30 days or more to dispose of.

I expect to have some added pipes installed before I again run off the settling tanks, and, when these new pipes are connected up, I believe that, with the aid of one laborer, I will be in a position to dispose of fifty tons of sludge in from three to five hours.

The air inside of the plant since the new process was set in operation, is both pure and wholesome. All of the old foul smells and odors, which this plant was noted for, have happily disappeared. This is a great benefit for those who are employed in the plant, as well as for those who live in the immediate vicinity.

I enclose you a record, which will show the number of gallons of sewage treated, the number of pounds of lime used, the number of pounds of lime per million gallons and the number of K.W. hours of electricity consumed in the operation of this plant, from the week beginning May 29, 1915, to the week ending August 21, 1915, inclusive.

In looking over the records you may note that the number of gallons of sewage pumped in the week ending June 5, 1915, is about the same as that which was pumped in the week ending August 21, 1915, while the number of K.W. hours of electricity used is at a ratio of 3 to 1. This great reduction in the amount of electricity used in the sewage pumping is due to the installation of a new motor and pump.

The large amount of electricity which was used in the operation of the electrolytic machine in the week ending June 5, 1915, over that which was used in the week ending August 21, 1915, is due to the fact that in the first mentioned week the one-horsepower motor, which is used for the operating of the lime agitators, was kept in operation 24 hours a day. I have found that the desired results could be obtained by working this motor 2 hours a day, which brings a saving of 114.8 K.W. hours a week. I have also cut the time the lime mixing motor was kept in operation from 10 to 2 hours per day. I have made a further reduction in the amount of electricity used in the electrolysis by changing the wire of the electrodes from a series to parallel. This reduced the voltage from 125 to 85. This reduction of the voltage made a saving of 268.8 K.W. hours a week.

If we had larger lime mixing tanks and so placed that the milk of lime could be supplied to the machine by gravity, we could do away with the lime pumping motor. This would mean another saving of 125.3 K.W. hours a week.

You may notice that in the week ending June 5, 1915, 1,354 pounds of lime were used per million gallons, whereas 1,092 pounds of lime per million gallons were used in the week ending August 21, 1915. This reduction is due to the fact that I found, by thinning a solution of lime and using it in larger quantities I could get better results and use less lime than by using a thick solution of lime in small quantities.

Very respectfully, MARTIN F. CODY, Engineer in Charge.

| Week Ending. | No. of Days. | Gallons of Sewage Treated. | K.W. Hrs. Used in Pumping Sewage. | K.W. Hrs. Used for Electrolytic Treatment. | Lbs. of Lime Used. | Lbs. of Lime for Million Gals. |
|---|---|---|---|---|---|---|
| June 5, 1915..... | 7 | 5,390,000 | 1941 | 960 | 7300 | 1343 |
| June 12, 1915..... | 7 | 5,197,000 | 1891 | 944 | 6570 | 1264 |
| June 19, 1915..... | 7 | 5,060,000 | 1901 | 920 | 6685 | 1321 |
| June 26, 1915..... | 7 | 5,066,000 | 1911 | 875 | 6900 | 1362 |
| July 3, 1915..... | 7 | 4,657,000 | 900 | 813 | 6380 | 1369 |
| July 10, 1915..... | 7 | 4,589,000 | 581 | 783 | 6060 | 1320.5 |
| July 17, 1915..... | 7 | 4,845,000 | 595 | 775 | 6470 | 1335 |
| July 24, 1915..... | 7 | 5,341,000 | 606 | 765 | 6380 | 1194 |
| July 31, 1915..... | 7 | 5,092,000 | 600 | 606 | 6060 | 1190 |
| August 7, 1915... | 7 | 4,967,000 | 591 | 572 | 6000 | 1209 |
| August 14, 1915.. | 7 | 5,396,000 | 609 | 570 | 5640 | 1045 |
| August 21, 1915.. | 7 | 5,078,000 | 600 | 552 | 5550 | 1092 |

ADDENDA.

Attention is respectfully called to the report and table by Mr. Martin F. Cody, City Engineer in Charge of the Elmhurst Disposal Plant, showing large reduction of electrical power, labor and lime in the operation of the Electrolytic System, subsequent to the Engineer's Report of August 2nd, 1915. This saving is due to improvements and changes in the plant which could not be made during the electrical and chemical tests as set forth therein. This report gives specifically the actual amount of current, labor and lime used in handling 1,000,000 gallons of sewage per diem by the Electrolytic process, and shows great reduction in cost as compared with the Engineer's estimates. ELECTRO-CHEMICO CORPORATION.

120 Broadway, New York, N. Y.

**Board of Estimate and Apportionment; Bureau of Sewer Plan—Appointment of Engineer (Cal. No. 92).**

The Secretary presented a resolution approving of the appointment of Kenneth Allen as Engineer with knowledge of Sewage Disposal in the Bureau of Sewer Plan at a salary of $4,000 per annum, to be effective as of September 1, 1915.

The matter was laid over until September 24, 1915.

**Fort Schuyler Road, from the Easterly Boundary Line of the Land Acquired for West Farms Road at Westchester Creek to Eastern Boulevard, Except Damage Parcel No. 103, Borough of The Bronx—Changing Date of Vesting Title (Cal. No. 93).**

The Secretary presented the following communication from the President of the Borough of The Bronx:

City of New York, President of the Borough of The Bronx, Third Avenue and 177th Street, September 10, 1915.

*Board of Estimate and Apportionment,* Municipal Building, Manhattan:

Gentlemen—On July 29th, 1915, a resolution was adopted by your Board fixing September 20th, 1915, for the date of vesting title in fee to each and every parcel of land, excepting Damage Parcel No. 103, as indicated on the draft damage map in the proceeding, lying within the lines of Fort Schuyler Road from the easterly boundary line of the land heretofore acquired for West Farms Road at Westchester Creek to Eastern Boulevard, in the Borough of The Bronx, City of New York.

It is now recommended that the resolution adopted on July 29th, 1915, above referred to, be rescinded and that a new resolution be adopted fixing October 23rd, 1915, as the date of vesting title to each and every parcel of land, excepting Damage Parcel No. 103, lying within the lines of Fort Schuyler Road between the limits as above stated. Yours very truly,

DOUGLAS MATHEWSON, President of the Borough of The Bronx.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby rescinds the resolution adopted by said Board on July 29, 1915, directing that, on September 20, 1915, the title in fee shall be vested in the City of New York to each and every piece or parcel of land lying within the lines of Fort Schuyler Road from the easterly boundary line of the land heretofore acquired for West Farms Road at Westchester Creek to Eastern Boulevard, Borough of The Bronx, excepting Damage Parcel No. 103, as indicated on the Draft Damage Map in the proceeding authorized by said Board under resolutions adopted on July 27, 1911, March 27, 1913, July 10, 1913, and January 8, 1915, for acquiring title to Fort Schuyler Road from the easterly boundary line of the land heretofore acquired for West Farms Road at Westchester Creek to Morris Lane.

Which was adopted by the following vote:

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

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The following was offered:

Whereas, the Board of Estimate and Apportionment, under resolutions adopted on July 27, 1911, March 27, 1913, July 10, 1913, and January 8, 1915, authorized a proceeding for acquiring title to Fort Schuyler Road from the easterly boundary line of the land heretofore acquired for West Farms Road at Westchester Creek to Morris Lane, in the Borough of The Bronx, City of New York; and

Whereas, Commissioners of Estimate and Assessment have been appointed by the Supreme Court in the proceeding to acquire title to said street, and the oaths of said Commissioners of Estimate and Assessment were duly filed as required by law on the 17th day of September, 1912;

Resolved, That the Board of Estimate and Apportionment, in pursuance of the provisions of Section 976 of the Greater New York Charter, as amended, directs that, upon the 23rd day of October, 1915, the title in fee to each and every piece or parcel of land, excepting Damage Parcel No. 103, as indicated on the Draft Damage Map in the proceeding, lying within the lines of said Fort Schuyler Road from the easterly boundary line of the land heretofore acquired for West Farms Road at Westchester Creek to Eastern Boulevard, in the Borough of The Bronx, City of New York, shall be vested in the City of New York.

Which was adopted by the following vote:

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

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**Ditmas Avenue, from East 87th Street to Ralph Avenue, Ralph Avenue, from the Northerly Side of East 85th Street to Old Canarsie Avenue, About 180 Feet South of Avenue C, and East 83d Street, from Ditmas Avenue to Old Canarsie Avenue, About 240 Feet South of Ditmas Avenue, Brooklyn—Final Authorization for Regulating, Grading and Curbing (Cal. No. 94).**

The Secretary presented a communication, dated September 9, 1915, from the Acting President of the Borough of Brooklyn, stating that the preliminary work has been completed and requesting final authorization for the improvement.

The following was offered:

A copy of a resolution of the Local Board of the New Lots District duly adopted by said Board on the 28th day of April, 1915, and approved by the President of the Borough of Brooklyn on the 15th day of June, 1915, having been transmitted to the Board of Estimate and Apportionment, as follows, to wit:

"Resolved, That the Local Board of the New Lots District hereby initiates proceedings to regulate, grade, set cement curb and lay cement sidewalks on the following streets: Ditmas Avenue, from East 87th Street to Ralph Avenue; Ralph Avenue, from the northeasterly side of East 85th Street to Old Canarsie Avenue, about 180 feet south of Avenue C, and East 83rd Street, from Ditmas Avenue to Old Canarsie Avenue, about 240 feet south of Ditmas Avenue;"

—and thereupon, on the 29th day of July, 1915, resolution having been adopted by the Board of Estimate and Apportionment authorizing the President of the Borough of Brooklyn to prepare the necessary plans, specifications and an estimate of the cost of the proposed improvement based on actual survey and further resolving that the Board of Estimate and Apportionment will consider the authorization of the construction of the proposed improvement after the President of the Borough of Brooklyn had submitted certain statements as provided in the said resolution, and the said resolution having been duly complied with by the President of the Borough of Brooklyn, as appears by papers and documents on the files of the Board of Estimate and Apportionment, and there having been presented to the Board of Estimate and Apportionment an estimate in writing in such detail as the Board has directed that the cost of the proposed work or improvement, together with the preliminary expenses, will be the sum of $16,000; and a statement of the assessed value according to the last preceding tax roll of the real estate included within the probable area of assessment, to wit, the sum of $92,900, having also been presented, it is

Resolved, That the said resolution of the Local Board be and the same is hereby approved and the construction of the local improvement therein provided for is hereby authorized. This Board does hereby determine that no portion of the cost and expense thereof shall be borne and paid by The City of New York, but that the whole of such cost and expense, including the aforesaid preliminary expenses, shall be assessed upon the property deemed to be benefited by the said local improvement.

Which was adopted by the following vote:

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

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**President, Borough of Brooklyn—Release of Corporate Stock Authorization (Cal. No. 95).**

The Secretary presented the following communication from the Acting President of the Borough of Brooklyn:

The City of New York, Office of the President of the Borough of Brooklyn, Brooklyn, September 4, 1915.

*Honorable Board of Estimate and Apportionment, The City of New York:*

Gentlemen—On December 23, 1914, the Board of Estimate and Apportionment adopted a resolution pursuant to its resolution of July 11, 1912, approving the specifications, form of contract, etc., for the reconstruction of sewer in 14th avenue, from 61st to 62nd streets, at a total cost of $2,000, to be charged to the Corporate Stock Fund entitled "C. P. B. 40, Reconstruction of Sewers in Avenue V and 14th Avenue, Borough of Brooklyn."

Expenditures incurred to date against this fund for contract payments, engineering and inspection amount to $1,982.29, leaving a balance of about $17. The Sea Beach Railway Company granted an easement to The City of New York to construct this sewer under the tracks of the Railroad, between 61st and 62nd streets, on 14th avenue, under date of November 16, 1909, which easement is recorded in Liber 3, 189 of Conveyances, Register's Office, County of Kings, page 311.

The City of New York is obligated to meet the expense incurred by the Railroad Company in supporting its tracks during the course of sewer construction, but there are no funds in this Department available for their payment.

It would appear, therefore, that it is necessary to secure a further authorization of Corporate Stock in an amount, it is calculated at $777.41, in favor of the New York Consolidated R. R. Co. for supporting these tracks, and I would respectfully request that the matter of this Corporate Stock issue be given consideration by your Board at its meeting to be held on September 17th, 1915. Yours very truly,

E. W. VOORHIES, Acting Borough President.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment hereby approves the request of the President of the Borough of Brooklyn for a release of funds in the sum of seven hundred and seventy-seven dollars and forty-one cents ($777.41), to pay the cost and expense of supporting the tracks of the Sea Beach Railway of the New York Consolidated Railroad Company during the reconstruction of the 14th avenue sewer between 61st and 62nd streets; the cost to be charged to the Corporate Stock Fund entitled "C. P. B. 40, Reconstruction of Sewers in Avenue V, between West 7th street and West 8th street, and in Fourteenth avenue, between 61st and 62nd streets, Borough of Brooklyn."

Which was adopted by the following vote:

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

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**Borough Presidents—Proposed Constitutional Amendment to Provide for the Acquisition of Title to Land Within Lines of Highways Heretofore or Hereafter Discontinued or Abandoned (Cal. No. 96).**

The Secretary presented a communication dated September 8, 1915, from Edward J. McGoldrick, Assistant Corporation Counsel, in response to resolution adopted by the Board on August 26, 1915 (Cal. No. 60), requesting the Corporation Counsel, on behalf of the City, to urge the adoption by the Constitutional Convention of the State of New York, of an amendment of article 1, section 7 of the Constitution of the State of New York, by adding thereto a section which would enable the City to acquire title to land within the lines of highways heretofore or hereafter discontinued or abandoned.

The communication states that the Convention practically concluded its business on September 4th, but, however, under a special rule adopted by the Convention, the following provision was inserted in section 7 of article 1 of the Constitution adopted by the Convention:

"The legislature may also authorize cities, for the establishment of a uniform system of streets, to take real property within an abandoned street or highway and to sell and lease it."

The communication was ordered filed.

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**Department of Public Charities—Authority to Employ Additional Draftsmen (Cal. No. 97).**

The Secretary presented a communication dated September 9, 1915, from the Director of the Bureau of Contract Supervision, returning communication dated February 2, 1915 (presented to the Board on February 5, 1915 (Cal. No. 192), and referred to the Committee on Salaries and Grades), from the Commissioner of Public Charities, requesting permission to employ additional Draftsmen to prepare plans for a laundry building for the dormitory for female employees at the Kings County Hospital.

(This request was withdrawn by the Commissioner of Public Charities under date of September 1, 1915.)

The Secretary was directed to return the request to the Commissioner of Charities.

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## FIXING DATES FOR FUTURE HEARINGS.

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### On Changes in the City Map.

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*Borough of Brooklyn.*

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**Street System Within the Territory Bounded by 14th Avenue, 60th Street, 19th Avenue, 63d Street, 15th Avenue and 61st Street, Borough of Brooklyn—Changing Grades (Cal. No. 98).**

The Secretary presented a communication dated April 5, 1915, from the Commissioner of Public Works, Borough of Brooklyn, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14903. September 2nd, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Commissioner of Public Works, Borough of Brooklyn, bearing date of April 5th, 1915, requesting the approval of a map showing changes proposed in the grades of the street system within the territory bounded by 14th Avenue, 60th Street, 19th Avenue, 63rd Street, 15th Avenue and 61st Street.

These changes provide for an adjustment in the grade of New Utrecht Avenue at its intersection with 61st Street, as required to conform with improvements which have been carried out in this vicinity, for legalizing the elevation to which a bridge has been built over the Long Island Railroad on the line of 60th Street; for modifications in the position and elevation of the drainage summits proposed in several blocks within the territory described; and for a general adjustment of all of the street grades of the territory as required in order to reference them to the Datum Plane now in general use throughout the borough. I am informed that the changes, which range up to a maximum of about 27 inches, can be carried out without damage to improvements.

There appears to be no reason to prevent the approval of this plan, and such action is recommended after a public hearing.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 the street system within the territory bounded by 14th Avenue, 60th Street, 19th Avenue, 63rd Street, 15th Avenue and 61st Street 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 April 3, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

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**Street System Within the Territory Bounded by 14th Avenue, 64th Street, 16th Avenue, 65th Street, 19th Avenue and 66th Street, Borough of Brooklyn—Changing Grades (Cal. No. 99).**

The Secretary presented a communication, dated April 5, 1915, from the Commissioner of Public Works, Borough of Brooklyn, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14904. September 2nd, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Commissioner of Public Works, Borough of Brooklyn, bearing date of April 5th, 1915, requesting the approval of a map showing changes proposed in the grades of the street system within the territory bounded by 14th Avenue, 64th Street, 16th Avenue, 65th Street, 19th Avenue and 66th Street.

These changes provide for modifying the grades of New Utrecht Avenue at 64th Street, 65th Street and 66th Street; for a general readjustment in the grade of 65th Street, between 14th Avenue and 18th Avenue; for readjusting the position and elevation of a drainage summit proposed in the block of 64th Street, between 15th Avenue and 16th Avenue; and for a general readjustment of the street grades as required to reference them to the Datum Plane now in use throughout the Borough.

The New Utrecht Avenue changes provide for raising the grade about 0.1 feet at 64th Street, and about 15 inches at 65th Street, as required to conform with the existing conditions on this street and with the elevation to which 65th Street in the adjoining section to the west has been improved. The remaining changes relate to streets which have not been improved, and are desired in part for the purpose of improving surface drainage, and in part to meet the grades which it will be necessary to fix for the adjoining area on the north as a result of the recent reconstruction of the Sea Beach Railroad.

No provision is made for the further modifications which it is understood will be required in the grade of 64th Street at and east of 16th Avenue, it being understood that this determination will have to be made as incidental to the grade changes due to the recent depression of the Sea Beach Railroad, and that a consideration of these changes, inasmuch as they involve an obligation on the part of the Railroad, can more advantageously be made the subject of an independent plan which it is understood will be submitted by the Borough President at a later date.

I see no reason why the plan should not be approved, and would recommend such action after a public hearing.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 the street system within the territory bounded by 14th Avenue, 64th Street, 16th Avenue, 65th Street, 19th Avenue and 66th Street, in the Borough of Brooklyn, City of New York, which pro-

posed change is more particularly shown upon a map or plan bearing the signature of the Commissioner of Public Works of the Borough, and dated April 3, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

*Borough of The Bronx.*

**West 245th Street, Between Fieldston Road and Livingston Avenue, and Fieldston Road, Between Spuyten Duyvil Parkway and West 246th Street, Borough of The Bronx—Changing Lines and Grades (Cal. No. 100).**

The Secretary presented a communication, dated July 10, 1915, from the Commissioner of Public Works, Borough of The Bronx, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14905. September 3, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Commissioner of Public Works, Borough of The Bronx, bearing date of July 10, 1915, requesting approval of a map showing a change proposed in the lines and grades of West 245th Street, between Fieldston Road and Livingston Avenue, and in the grade of Fieldston Road between Spuyten Duyvil Parkway and West 246th Street.

The block of West 245th Street affected by this change was shown upon a territorial map adopted by the Board at its meeting of June 25, 1915, at which time it was understood that the lines planned for the development of a street system in this locality had been agreed upon by all of the interests concerned. It now appears that the property subdivision in the section south of 245th Street is such that under the adopted plan some of it failed to secure street frontage, and in order to remedy this condition the plan now submitted has been prepared. Information is presented to show that the changes are concurred in by all of the property owners affected by it. Advantage appears to have been taken of the opportunity to modify the grades of West 245th Street in such a way as to decrease the slope in this block from a maximum of about nine per cent. to a maximum of about seven per cent., this treatment necessitating a slight revision in the grade of Fieldston Road near its intersection with West 245th Street. Fieldston Road has been partly graded, but West 245th Street is unimproved.

I see no reason why the plan should not be approved, and would recommend such action after a public hearing. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 West 245th Street between Fieldston Road and Livingston Avenue, and the grade of Fieldston Road between Spuyten Duyvil Parkway and West 246th Street 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 July 7, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

**Street System Within the Territory Bounded Approximately by Netherland Avenue, West 254th Street and Its Prolongation, Fieldston Road and West 246th Street, Borough of The Bronx—Changing Lines and Grades (Cal. No. 101).**

The Secretary presented a communication, dated July 31, 1915, from the Commissioner of Public Works, Borough of The Bronx, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14920. September 11, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Commissioner of Public Works, Borough of The Bronx, bearing date of July 31, 1915, requesting the approval of a map showing changes proposed in the lines and grades of the street system within the territory bounded approximately by Netherland Avenue, West 254th Street and its prolongation, Fieldston Road, and West 246th Street.

A street plan for this territory was definitely fixed through the adoption on June 17, 1895, of the Final Maps of Sections No. 24 and 25. At a later date the necessity of modifying the plan in order to reconcile it more closely with the topography and with the interests of the property owners became evident, and in 1909 a tentative plan was approved by the Board showing revisions which it was then believed could be advantageously carried out.

On June 25, 1915, a Final Map was adopted for the adjoining territory to the south of that affected by the plan now under consideration which, while in general following the lines of the tentative map, provided also for further modifications needed to conform with the development which has there taken place and which has apparently been the result of a more detailed study of the topography than was previously available.

The plan now submitted relates almost exclusively to territory within the limits of the estate of Charlotte M. Goodridge, and I am informed that the treatment planned for it is concurred in by the representatives of this property. In its preparation it has been found necessary to modify the lines of West 250th Street as shown on the plan adopted on June 25, 1915, but it might be noted that the probable need of this modification was then anticipated. The territory affected is located on a somewhat precipitous slope and the street lines as planned are designed for a development adapted only to plots of large area. It differs radically from the Final Map as originally approved and departs also from the tentative plan of 1909. The treatment, however, appears in general to be designed to accomplish the object sought and to lend itself to the development for which property in this vicinity is naturally available.

An effort appears to have been made to secure gradients of as flat a character as conditions will permit ranging upwards to a maximum of about 10 per cent., although in most instances flatter grades are provided. The changes involve a readjustment in the grades of Riverdale Avenue in order to avoid necessary breaks and at the same time secure closer harmony with those required for the interesecting streets, as well as a similar adjustment in the grade of West 253rd Street at Delafield Avenue. The three latter streets are the only ones in use which are affected by the plan.

I am in some doubt as to the propriety of laying out the street designated as Longview Place, extending from Grosvenor Avenue to West 253rd Street. This street is designated as 30 feet wide and has a length of two blocks or about 550 feet, with a total difference in elevation of about 125 feet between its terminals. It is planned for use for pedestrian traffic only, but inasmuch as provision is also made for a similar street to be designated as West 252nd Street in the immediate vicinity with more advantageous lines and grades, I believe that it might be omitted from the plan with advantage.

I would recommend the approval of the map after a public hearing, but that the attention of the Borough President be called to the desirability of further modifying the plan by excluding from it Longview Place. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

Mr. Kenneth McEwen appeared and submitted a memorandum, dated September 16, 1915, signed by Stephen G. Williams, 30 Broad Street, representing the Goodridge Estate, opposing the proposed discontinuance of Longview Place.

The following resolution was offered:

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 Netherland Avenue, West 254th Street and its prolongation, Fieldston Road and West 246th Street 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 July 26, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

The Secretary was directed to call the attention of the President of the Borough of The Bronx to the desirability of discontinuing Longview Place, which has been planned as a street for pedestrian traffic, the need for it not being clearly evident.

*Borough of Queens.*

**Calamus Avenue, from Fisk Avenue to Carroll Place, Borough of Queens—Changing Lines (Cal. No. 102).**

The Secretary presented a communication, dated February 16, 1915, from the Secretary to the President of the Borough of Queens, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14924. September 10, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of February 16, 1915, requesting the approval of a map showing a change proposed in the lines of Maurice Avenue and of Calamus Avenue in the block between Fisk Avenue and Carroll Place.

As heretofore laid out, Maurice Avenue and Calamus Avenue merge in this block and the lines as planned had the effect of creating a street area with a width ranging from about 135 feet to 70 feet, this treatment involving a widening of Calamus Avenue as now in use, with the effect of seriously damaging a frame building at the southwesterly corner of Fisk Avenue.

Under the change now requested it is proposed to legalize the lines of Calamus Avenue as heretofore in use, this involving the narrowing of the street a maximum of about 15 feet. It would appear that an ample area for street use would be available under the plan as modified.

I see no reason why the plan should not be adopted, such action being recommended after a public hearing. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 of Calamus Avenue and Maurice Avenue from Carroll Place to Fisk 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 January 30, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

**124th Street (North Curtis Avenue), Between Jamaica Avenue and 89th (Ridgewood) Avenue, Borough of Queens—Changing Grades (Cal. No. 103).**

The Secretary presented a communication, dated April 29, 1915, from the Secretary to the President of the Borough of Queens, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14923. September 10, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of April 29, 1915, requesting the approval of a map showing a change proposed in the grade of 124th Street (North Curtis Avenue) between Jamaica Avenue and 89th (Ridgewood) Avenue.

This plan makes provision for the insertion of a summit in the block of 124th Street affected, with the effect of here increasing the elevation as compared with that heretofore adopted a maximum of a little over 5 feet. Preliminary authorization for carrying out the grading improvement was given by the Board on February 19, 1915, and it is evident that the detail examination which has been made of existing conditions has established the need for making the modification now proposed, the effect of which will be to legalize a grade more closely conforming with improvements which have been carried out, these including the erection of a number of buildings upon the abutting property.

I see no reason why the map should not be approved, and would recommend such action after a public hearing. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 124th Street (North Curtis Avenue) from Jamaica Avenue to 89th Avenue (Ridgewood 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 April 17, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

**Street System Within the Territory Bounded by Junction Avenue, Alstyne Avenue, Sothern Avenue and Gerry Avenue, Borough of Queens—Changing Lines (Cal. No. 104).**

The Secretary presented a communication, dated June 28, 1915, from the Secretary to the President of the Borough of Queens, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14921. September 13, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of June 28, 1915, requesting the approval of a map showing changes proposed in the lines of the street system within the territory bounded by Junction Avenue, Alstyne Avenue, Sothern Avenue and Gerry Avenue.

This plan makes provision for modifying the lines of Corona Avenue, between Alstyne Avenue and Junction Avenue, and the Board is informed that the change is desired in order to harmonize the lines with those which have been recognized by the property owners who, it is stated, have erected buildings to conform with the position of the street as interpreted by them. The change involves a very slight adjustment in the position of the lines of this street, excepting at the Junction Avenue intersection, where an angle is to be introduced in the southerly line with the effect of leaving in private ownership a parcel of property which would appear to be suitable for substantial development, and without seriously decreasing the street area.

I see no reason why the plan should not be approved, and would recommend such action after a public hearing. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 of the street system within the territory bounded by Junction Avenue, Alstyne Avenue, Sothern Avenue and Gerry Avenue in the Borough of Queens, City of New York, which proposed change is more partcularly shown upon a map or plan bearing the signature of the President of the Borough, and dated June 4, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

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**Street System Within the Territory Bounded by Grand Street, the Main Line of the Long Island Railroad, Woodhaven Avenue, Eliot Avenue, Bloomfield Street, Lewis Avenue and Division Avenue, Borough of Queens—Changing Lines and Grades (Cal. No. 105).**

The Secretary presented a communication, dated May 3, 1915 from the Secretary to the President of the Borough of Queens, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14917. September 9, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of May 3rd, 1915, requesting the approval of a map showing proposed changes in the lines and grades of the street system within the territory bounded by Grand Street, the main line of the Long Island Railroad, Woodhaven Avenue, Eliot Avenue, Bloomfield Street, Lewis Avenue and Division Avenue.

This plan more particularly relates to Calamus Avenue as laid out in the section between Grand Street and Woodhaven Avenue, this comprising the most easterly portion of the street which was here originally designed to serve as a marginal street along the southerly side of the railroad property and which was given a practically uniform alignment parallel with that to which the railroad has been constructed. The damage maps which have been prepared in an opening proceeding authorized in 1911 and amended in 1914 show that an old road known as Albert Place has been omitted from the map of the territory, and that through certain portions of its length Calamus Avenue would have a position such as to cause serious consequential damage to the area traversed, and at the same time occasion the laying out of a number of blocks of unduly small dimensions. It is now proposed to practically separate the street into four distinct parts, two of which appear to be designated as Sibley Street, while the other two are named respectively Bloomfield Street and Division Avenue. From the information at hand it would appear that the effect of these changes would be to produce a plan harmonizing much more closely with existing conditions than did the plan to be superseded, although its effect will be to remove the direct connection provided on the original plan between Grand Street and Woodhaven Avenue. In my judgment the advantage to be derived from the plan more than compensates for the loss of direct access.

Provision is also made for the insertion of a summit in the block of Division Avenue between Calamus Avenue, as originally laid out, and Samuelson Street, with an elevation about eleven feet higher than that originally proposed, which change will make the established grade conform more closely with the existing conditions; it is also proposed to raise the grade of Bowne Place about nine feet at its intersection with Sibley Street, this change being evidently a necessary one in order to avoid the creation of a drainage pocket.

The plan, in my judgment, may properly be approved, and such action is recommended after a public hearing. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 Grand Street, the Main Line of the Long Island Railroad, Woodhaven Avenue, Eliot Avenue, Bloomfield Street, Lewis Avenue and Division 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 April 13, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

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**Elmhurst Avenue, Between Broadway and Judge Street, Borough of Queens—Changing Lines (Cal. No. 106).**

The Secretary presented a communication, dated June 9, 1915, from the Secretary to the President of the Borough of Queens, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14906. September 3, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of June 9, 1915, requesting the approval of a map showing a change proposed in the lines of Elmhurst Avenue, between Broadway and Judge Street.

At the meeting of the Board of Estimate and Apportionment held on April 30, 1915, a map was adopted providing for a number of adjustments in the street plan previously approved for this locality, the list including that portion of Elmhurst Avenue between the limits shown on the map now under consideration. The changes then proposed in this street were of a minor character, but it was believed could be carried out with slight advantage to the abutting owners. It now appears that the proceeding which was authorized on June 15, 1911, for acquiring title to the street, has been advanced to such a stage that the amendment required in order to make it conform with the lines as last fixed is impracticable, and for this reason it is proposed to restore the lines as originally laid out and in conformity with which the opening proceedings are being carried on.

Under the conditions outlined I believe that the map might properly be approved, and would recommend such action after a public hearing. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 of Elmhurst Avenue, between Broadway and Judge 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 May 24, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

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**129th Street (North Morris Avenue), Between Jamaica Avenue and 91st Avenue (Fulton Place), and of 89th Avenue (Ridgewood Avenue), Between 127th Street (North Wickes Street) and 130th Street (Maure Avenue), Borough of Queens—Changing Grades (Cal. No. 107).**

The Secretary presented a communication, dated May 26, 1915, from the Secretary to the President of the Borough of Queens, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14908. September 3rd, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of May 26th, 1915, requesting the approval of a map showing a change proposed in the grade of 129th Street (North Morris Avenue), between Jamaica Avenue and 91st Avenue (Fulton Place), and of 89th Avenue (Ridgewood Avenue), between 127th Street (North Wickes Street) and 130th Street (Maure Avenue).

This change provides for raising the grade of 129th Street and 89th Avenue 2.3 feet at their intersection, and for the insertion of a summit in each of the two blocks of 129th Street affected by the plan, the change in the northerly block reaching a maximum of about 2.4 feet, and in the southerly block reaching a maximum of about 7.7 feet. The desirability of making these changes has been developed in connection with the carrying out of a grading improvement for 129th Street (North Morris Avenue), which was authorized on July 30th, 1914, and is required in order to secure closer conformity with the existing conditions on both of the streets affected. The roadways have been graded and a number of buildings have been erected upon the abutting property. I am informally advised that the grading contract is based on an observance of the changes shown on this plan.

I see no reason why the map should not be adopted, and would recommend such action after a public hearing. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offered:

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 129th Street (North Morris Avenue), between Jamaica Avenue and 91st Avenue (Fulton Place), and of 89th Avenue (Ridgewood Avenue), between 127th Street (North Wickes Street), and 130th Street (Maure 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 May 18, 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

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**98th Street (Thedford Avenue), from 97th Avenue (Beaufort Avenue) to 103d Avenue (Kimball Avenue); 97th Street (Hatch Avenue), from 97th Avenue (Beaufort Avenue) to 101st Avenue (Jerome Avenue); and 99th Avenue (Shattuck Avenue), from 96th Street (Willard Avenue) to 99th Street (Ocean Avenue), Borough of Queens—Changing Grades (Cal. No. 108).**

The Secretary presented a communication, dated June 30, 1915, from the Secretary to the President of the Borough of Queens, transmitting map showing the proposed change; and the following report of the Chief Engineer:

Report No. 14907. September 3rd, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a communication from the Secretary to the President of the Borough of Queens, bearing date of June 30th, 1915, requesting the approval of a map showing changes proposed in the grade of the following streets: 98th Street (Thedford Avenue), from 97th Avenue (Beaufort Avenue) to 103rd Avenue (Kimball Avenue); 97th Street (Hatch Avenue), from 97th Avenue (Beaufort Avenue) to 101st Avenue (Jerome Avenue); 99th Avenue (Shattuck Avenue), from 96th Street (Willard Avenue) to 99th Street (Ocean Avenue).

These changes range up to a maximum of a little over three feet. With the exception of the block of 99th Avenue, between 98th Street and 99th Street, all of the streets are in use, and a number of buildings have in each case been erected upon the abutting property. Information is presented to show that the changes now proposed are desired in order to secure closer conformity with the elevation to which improvements have been carried out.

I see no reason why the plan should not be approved, and would recommend such action after a public hearing. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following resolution was offerd:

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 98th Street (Thedford Avenue) between 97th Avenue (Beaufort Avenue) and 103rd Avenue (Kimball Avenue); of 97th Street (Hatch Avenue) between 97th Avenue (Beaufort Avenue) and 101st Avenue (Jerome Avenue); and of 99th Avenue (Shattuck Avenue) between 96th Street (Willard Avenue) and 99th Street (Ocean 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 June 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 15th day of October, 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 15th day of October, 1915.

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

**On Areas of Assessment for Benefit in Condemnation Proceedings.**

*Borough of The Bronx.*

**Cruger Avenue, from White Plains Road to Rhinelander Avenue, Victor Street, from Van Nest Avenue to Rhinelander Avenue, and Rhinelander Avenue, from Unionport Road to White Plains Road, Borough of The Bronx—Amending Proceeding for Acquiring Title (Cal. No. 109).**

The Secretary presented the following report of the Chief Engineer:

Report No. 14911. September 10, 1915.

*Hon. JOHN PURROY MITCHEL, Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on July 6th, 1911, a proceeding was instituted for acquiring title to the following streets in the Borough of The Bronx: Cruger Avenue, from White Plains Road to Rhinelander Avenue; Victor Street, from Van Nest Avenue to Rhinelander Avenue; Rhinelander Avenue, from Unionport Road to White Plains Road; and the Commissioners of Estimate and Assessment filed their oaths on June 11th, 1912. The proceeding was amended on June 12th, 1913, to make it conform with changes which in the meantime had been made in the street lines.

Under a recent map change, the westerly line of Unionport Road, which is now designated as Amethyst Street, was deflected slightly to the east, with the result that a small triangular parcel, having an area of 7.80 square feet, is excluded from the area to be acquired for Rhinelander Avenue in the above proceeding.

I would recommend that, after a new public hearing has been given upon an area of assessment modified as required by the changed conditions and as indicated on the accompanying diagram, the opening proceeding be amended so as to relate to Victor Street and Cruger Avenue between the limits named, and to Rhinelander Avenue, from Amethyst Street to White Plains Road, as these streets are now laid out.

I would also recommend that the Corporation Counsel be requested to apply to the Supreme Court to have the jurisdiction of the Commissioners of Estimate and Assessment correspondingly modified. Respectfully,

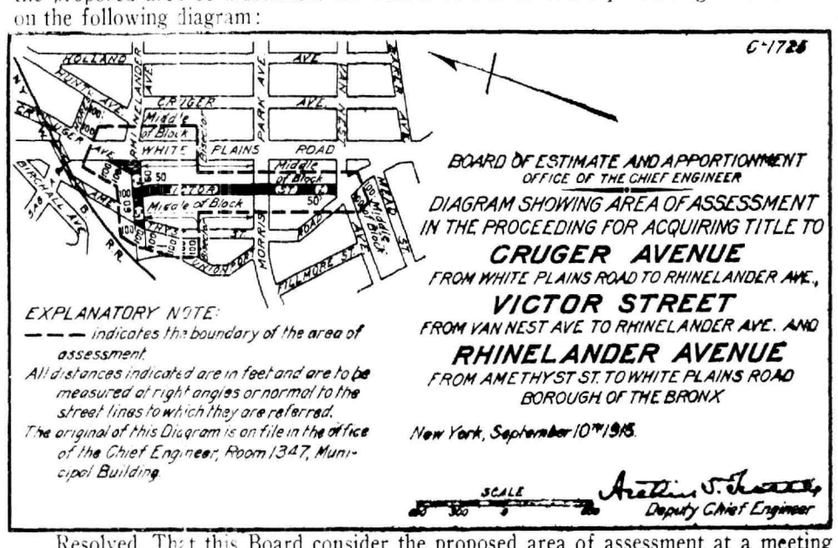
ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following was offered:

Whereas, the Board of Estimate and Apportionment, under resolutions adopted on July 6, 1911, and June 12, 1913, authorized a proceeding for acquiring title to Victor Street, from Van Nest Avenue to Rhinelander Avenue; Rhinelander Avenue, from old Unionport Road to White Plains Road; Cruger Avenue, from White Plains Road to Rhinelander Avenue, Borough of The Bronx; and

Whereas, the Board is considering the advisability of further amending the said proceeding so as to conform to a map or plan adopted by the Board of Estimate and Apportionment January 8, 1915, and approved by the Mayor January 15, 1915, in which the westerly line of Unionport Road, which is now designated as Amethyst Street, was deflected slightly to the east, with the result that a small triangular parcel having an area of 7.80 square feet is excluded from the area to be acquired for Rhinelander Avenue in the aforesaid proceeding; the amendment now proposed providing for the acquisition of title to Victor Street, from Van Nest Avenue to Rhinelander Avenue; Cruger Avenue, from White Plains Road to Rhinelander Avenue; and Rhinelander Avenue, from Amethyst Street to White Plains Road, as these streets are now laid out upon the map or plan of the City of New York.

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 proposed area of assessment for benefit in this amended 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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

*Borough of Queens.*

**Flushing River from Its Mouth Near Delavall Street to Its Southerly Terminus Near Livingston Street, Borough of Queens—Acquiring Title to Upland Within U. S. Bulkhead Lines (Cal. No. 110).**

The Secretary presented a joint resolution adopted on January 23, 1914, by the Local Boards of the Newtown and Jamaica Districts, Borough of Queens, initiating proceedings for this improvemnt; and the following report of the Chief Engineer:

Report No. 14914. September 11, 1915.

*Hon. JOHN PURROY MITCHEL, Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a joint resolution of the Local Boards of the Newtown and Jamaica Districts, Borough of Queens, adopted on January 23, 1914, initiating proceedings for acquiring title to Flushing River from its mouth at about Delavall Street to Livingston Street.

The bulkhead lines of the Flushing River were established upon a map approved by the Assistant Secretary of War on March 6, 1911, and amended by the same authority on July 17, 1914. The width provided for the channel from its mouth to a point near Rodman Street is generally 250 feet, exceptions having been made in the vicinity of Nicolls Street and Westervelt Street, where the direction of the channel changes and where its width flares to a maximum of about 400 feet. Between Rodman Street and the southerly terminus of the river, near Livingston Street, a uniform width of 200 feet has been fixed. The river will have a length of somewhat less than three miles, and will follow approximately the course of an existing creek which winds across and along the area set aside by Federal action, the creation of the channel as laid out involving the use of upland as well as portions of the existing watercourse.

The Corporation Counsel has heretofore advised that in proceedings of this character no public interest would be served by the acquisition of land under water within the bulkhead lines, and as the expense of the proceeding is to be met through an assessment upon the property benefited, it would seem proper to limit the proceedings to the acquisition of upland only.

In recent communications from the borough authorities, the Board is informed that the institution of the opening proceeding is urgently desired by some of the property owners and by civic organizations for the reason that the improvement is deemed to be important to the commercial development of the section in which a number of factory sites are now being made available, while the new transit facilities about to be provided will stimulate its growth. A considerable portion of this territory is in large tracts, and the owners of property appear to realize the great advantages which will result in case the waterway is improved as projected on the approved plan, and in anticipation of the project being carried out in the immediate future some of them have begun to fill in their holdings. A further occasion for the stimulation of the growth of the locality is to be found in the selection of a site for one of the State Barge Canal Terminals at a point near the mouth of the river. I am also informed that a number of the property owners are desirous of ceding their holdings within the bulkhead lines to the City, but it is evident that the terms under which such cessions could be accepted cannot be fairly determined without having available the information as to the ownership which the damage map, when prepared, will disclose.

I would recommend that, after giving a public hearing as to the proposed area of assessment, a resolution be adopted providing for the acquisition of title in fee to the upland within the United States Bulkhead lines of Flushing River from its mouth, near the foot of Delavall Street, to its southerly terminus, near Livingston Street; that the compensation to be made to the owners of the real property to be acquired and the assessment of the cost of the improvement be ascertained by the Supreme Court without a jury; and that the entire cost and expense of the proceeding be assessed upon a district the boundary of which is shown on the accompanying diagram. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following was offered:

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 comprising the upland within the United States Bulkhead lines of Flushing River from its mouth, near the foot of Delavall Street, to its southerly terminus, near Livingston Street, 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 proposed area of assessment for benefit in this proceeding is shown on the accompanying diagram. (See Diagram "A" on page 7386.)

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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

**Opdyke Street, from Alburtis Avenue to Tiemann Avenue, Borough of Queens—Acquiring Title (Cal. No. 111).**

The Secretary presented the following report of the Chief Engineer:

Report No. 14913. September 9th, 1915.

*Hon. JOHN PURROY MITCHEL, Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—At the meeting of the Board of Estimate and Apportionment held on October 5th, 1911, a proceeding was instituted for acquiring title to Opdyke Street, from Corona Avenue to Tiemann Avenue, together with the public place bounded by Corona Avenue, Opdyke Street and Alburtis Avenue, in the Borough of Queens. The proceeding was amended on November 20th, 1914, by excluding therefrom the public place and the block between Corona Avenue and Alburtis Avenue.

The proceeding, as amended, relates to two long blocks, or about 1,700 feet, of Opdyke Street, which has been laid out upon the City map to have a width of 60 feet. The street is in use for its full width, excepting for a distance of about one-half block, adjoining Alburtis Avenue, where several buildings encroach upon the land to be acquired.

The Commissioners have not yet been applied for, and in order to advance the proceeding, it will have to be reinstituted to conform with the requirements of the Street Opening Law, as amended.

The Borough President advises, under date of August 24th, 1915, that permits have been filed for the erection of buildings within the lines of this street, and that the property owners have threatened to proceed with the construction of these buildings, in view of which he requests that the proceeding be immediately reinstituted.

Inasmuch as it was originally intended that this proceeding should be carried out through the appointment of Commissioners, I believe that it would be desirable to now adhere to this course.

After giving a public hearing as to a proposed area of assessment, which is to be identical in position and description with the one heretofore fixed by the Board at the request of the Borough President, I would recommend the adoption of a resolution for acquiring title in fee to Opdyke Street, between Alburtis Avenue and Tiemann Avenue; that the compensation to be made to the owners of the real property to be acquired and the assessment of the cost of the improvement be ascertained by Commissioners of Estimate and one Commissioner of Assessment to be appointed by the court, and that the entire cost and expense of the proceeding be assessed upon the property benefited. Respectfully,

ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following was offered:

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 Opdyke Street, between Alburtis Avenue and Tiemann Avenue, in the Borough of Queens, City of New York; and

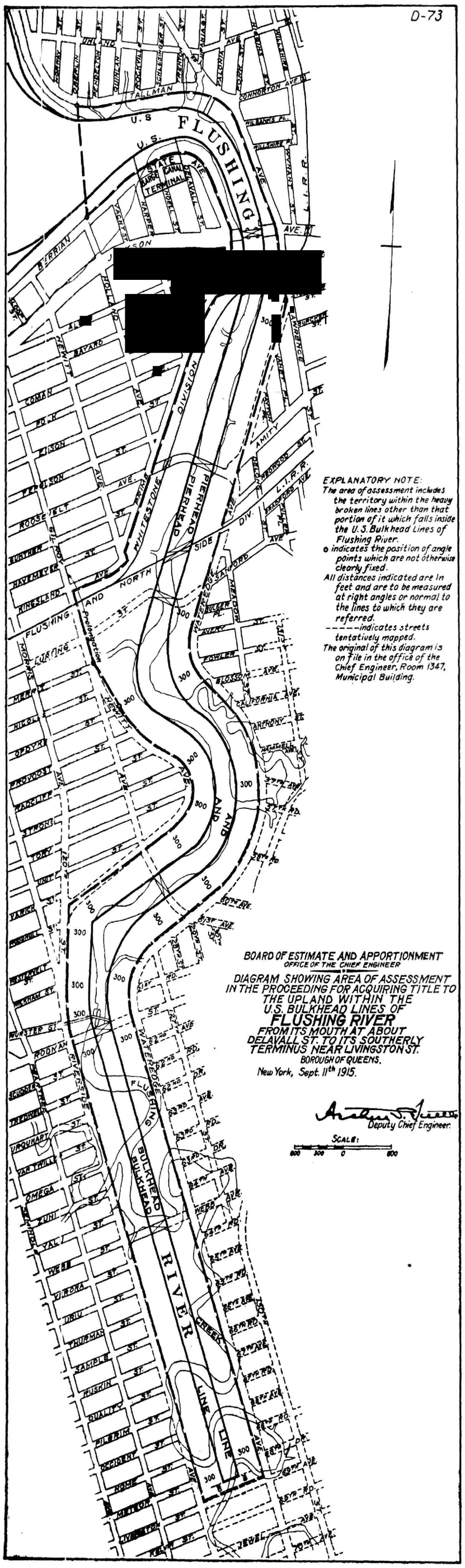
Whereas, The Board of Estimate and Apportionment is authorized and required at the time of the adoption of the resolution directing the institution of proceedings to acquire title to the real property required for the foregoing improvement to fix and determine upon an area or areas of assessment for 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 this proceeding:

Beginning at a point on a line midway between Nicolls Street and Opdyke Street distant 100 feet easterly from the easterly line of Tiemann Avenue, the said distance being measured at right angles to Tiemann Avenue, and running thence southwardly and parallel with Tiemann Avenue to the intersection with a line distant 100 feet southerly from and parallel with the southerly line of Opdyke Street, the said distance being measured at right angles to Opdyke Street; thence westwardly along the said line parallel with Opdyke Street to the intersection with the northerly line of Corona Avenue; thence westwardly along the northerly line of Corona Avenue to the intersection with the easterly line of Alburtis Avenue; thence northwardly along the easterly line of Alburtis Avenue to the intersection with a line midway between Nicolls Street and Opdyke Street; thence eastwardly along the said line midway between Nicolls Street and Opdyke Street 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 15th day of October, 1915, at 10 a. m., and that at the same time and place a public hearing thereon will then and there be had.

Diagram "A" (Cal. No. 110).




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 15th day of October, 1915.

Which was adopted by the following vote:

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

*Boroughs of Queens and Brooklyn.*

**Sheridan Avenue, from the Northwesterly Line of Flynn Avenue to the Northwesterly Mean High Water Line of Spring Creek, Boroughs of Queens and Brooklyn—Acquiring Title (Cal. No. 112).**

The Secretary presented a resolution adopted on June 17, 1915, by the Local Board of the Newtown District, Borough of Queens, initiating proceedings for acquiring title to Sheridan avenue, from the Brooklyn Borough line to the northwesterly side of Flynn avenue, a communication dated July 6, 1915, from the Acting President of the Borough of Queens, urging favorable consideration of the improvement at this time; and the following report of the Chief Engineer:

Report No. 14927. September 13th, 1915.

*Hon.* JOHN PURROY MITCHEL, *Mayor, Chairman of the Board of Estimate and Apportionment:*

Sir—Herewith is transmitted a resolution of the Local Board of the Newtown District, Borough of Queens, adopted on June 17th, 1915, initiating proceedings for acquiring title to Sheridan Avenue from the Brooklyn Borough Line to the northwesterly side of Flynn Avenue.

This resolution affects six blocks or about 1,500 feet of Sheridan Avenue, which has been laid out upon the City Map to have a width of 80 feet. The street is not in use and the area traversed is low and partially swampy. In the section adjoining Flynn Avenue the street passes through a colony of some forty or fifty houses which are largely utilized as summer homes, but in some cases are inhabited throughout the entire year. It is believed that two buildings encroach upon the land to be acquired.

In a communication bearing date of July 6th, 1915, the Acting Borough President has requested the favorable consideration of this matter at an early date. Information is presented from which it appears that the improvement is petitioned for by twenty-six property owners apparently representing property within the limits of the colony above referred to and whose only means of access comprises a pathway crossing private property upon which they have heretofore been encroaching and to which trespass objection has been made by the owner. The expense of the proceeding should be comparatively small because of the low land values here obtaining, and the request that the opening proceeding be expedited in order to clear the way for the construction of a serviceable public thoroughfare seems quite reasonable. The land within the street lines is partially under water at the present time, it being crossed at the Borough Line by Spring Creek which, from such information as is available has a width between mean high water lines of about 80 feet, and the center line of which forms a portion of the boundary line between the Borough of Brooklyn and the Borough of Queens. The harbor lines proposed for Spring Creek Basin do not recognize this creek, which will in all probability ultimately be filled in. Access across it at the present time is had by means of a footbridge which is in a bad condition of repair, and I believe that when the grading improvement is carried out it will be found practicable to fill in the creek and to provide for the normal flow through an inexpensive culvert. Under these conditions it would appear advisable, in my judgment, to acquire at this time all of the land that will be needed to permit of constructing a serviceable roadway and to accordingly fix the northwesterly limit at the mean high water line of Spring Creek, under which circumstances the proceeding would include land within the Borough of Brooklyn as well as within the Borough of Queens.

I would recommend that after giving a public hearing as to the proposed area of assessment, a resolution be adopted for acquiring title to Sheridan Avenue from the northwesterly line of Flynn Avenue to the northwesterly mean high water line of Spring Creek; that title to the land be acquired in fee; that the compensation to be made to the owners of the real property to be acquired and the assessment of the cost of the improvement be ascertained by the Supreme Court without a jury; that the entire cost and expense of the proceeding be assessed upon the property benefited; and that a district of assessment be laid out to include an area the description for which is herewith presented.

Respectfully, ARTHUR S. TUTTLE, Deputy Chief Engineer.

The following was offered:

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 Sheridan Avenue, from the northwesterly line of Flynn Avenue to the northwesterly mean high water line of Spring Creek, in the Boroughs of Queens and Brooklyn, 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 for the foregoing improvement to fix and determine upon any 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, hereby gives notice that the following is the proposed area of assessment for benefit in this proceeding.

Bounded on the northwest by a line midway between Lamar Street and Trinidad Street and by the prolongation of the said line; on the northeast by a line midway between Forbell Avenue and Sheridan Avenue; on the southeast by a line midway between Grimm Avenue and Bloomington Street and by the prolongation of the said line; and on the southwest by a line distant 300 feet southwesterly from and parallel with the southwesterly line of Sheridan Avenue, the said distance being measured at right angles to Sheridan Avenue.

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 15th day of October, 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 15th day of October, 1915.

Which was adopted by the following vote:

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

## MATTERS LAID OVER FROM PREVIOUS MEETINGS.

**Street System Bounded by Hampton Street, Junction Avenue, South Railroad Avenue and Corona Avenue, Borough of Queens—Closing and Discontinuing Streets (Cal. No. 113).**

(On November 20, 1914 (Cal. No. 66), the report of the Chief Engineer, dated November 16, 1914, and a communication from the Corporation Counsel, dated November 19, 1914, were referred to the Committee on the City Plan.)

(On July 29, 1915 (Cal. No. 28), the matter was laid over until this meeting.)

The Secretary presented the following report of the Committee on the City Plan:

Board of Estimate and Apportionment, Committee on the City Plan, July 20, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—At the meeting of the Board of Estimate and Apportionment held November 20, 1914, the Board referred to the Committee on the City Plan a proposed change in the map or plan of the City of New York providing for the closing and discontinuance of the streets within the area bounded by Corona Avenue, Card Place, South Railroad Avenue and Hampton Street, in the Borough of Queens. The plan for the closing and discontinuance of these streets was submitted by the President of the Borough in accordance with the request of the Board of Estimate and Apportionment which resulted from a petition addressed to the Board by the Cord Meyer Company, and the purpose of the discontinuance was admitted to be that a railroad freight yard might be established within the limits of the bounding streets. Previous to the submission of this map the same petitioners had asked the Board to discontinue the opening proceedings now in progress for acquiring title to Toledo Street, in the Borough of Queens, in so far as it relates to the section between Corona Avenue and the Long Island Railroad.

The Local Board of the district had refused to approve either of the discontinuance of the opening proceeding or of the change in the City map, and at hearings given both by the Board of Estimate and Apportionment and by the Committee on the City Plan the property owners and residents of this neighborhood with great unanimity opposed the project for the establishment of this yard.

At the close of a public hearing held on March 5, 1915, the Committee stated that it would be disposed to report favorably on the discontinuance of the opening

proceeding for Toledo Street between Corona Avenue and the railroad on receipt of an agreement on the part of the Long Island Railroad Company with the City that it would not use the land in question for railroad yard purposes without the express consent of the Board of Estimate and Apportionment.

In a letter dated April 12, 1915, H. A. Howarth, Real Estate Agent for the Long Island Railroad Company, stated that the Company's contract with the Cord Meyer Company for the purchase of this land had been cancelled, "the Long Island Railroad Company having determined to abandon the establishment of a freight station at that point." The same information has been given the Committee by Mr. Charles G. Meyer, Secretary of the Cord Meyer Company. Mr. Meyer assured the Committee that if at any future time it was proposed to dispose of the property in question for freight yard purposes, he would submit the matter to the Committee on the City Plan and would not take any action that would lead to the use of such property for freight yard purposes without the approval of the Committee.

The Committee does not deem the opening of this portion of Toledo Street of any value to the general street system of the neighborhood or of the City, and as the plan for a freight yard in this location has been definitely abandoned, the Committee recommends that the street opening proceeding be now amended so as to exclude this portion of Toledo Street. This will involve a new hearing upon an amended area of assessment and the Committee recommends that the matter be referred to the Chief Engineer of the Board for the preparation of such amended area of assessment, and that the Board, upon the receipt thereof, give a public hearing upon the new area of benefit and the amendment of the proceedings for acquiring title to Chicago Street from Corona Avenue to Queens Boulevard, to Medina Place from Gerry Avenue to Corona Avenue, to Parcell Street from Gay Street to Corona Avenue, to Toledo Avenue (now Toledo Street) from South Railroad Avenue to Queens Boulevard, and to the public place bounded by Chicago Street, Justice Street and Laconia Street, which proceedings were authorized by the Board of Estimate and Apportionment on May 4, 1911, by excluding therefrom that portion of Toledo Street between South Railroad Avenue and the northerly side of Corona Avenue.

This recommendation is made with the understanding that the Cord Meyer Company shall pay to the City of New York all expenses which may have been incurred in connection with the acquisition of title to the portion of Toledo Street which is to be omitted from the proceeding, and shall also give a bond, in such amount as the Corporation Counsel may advise, to indemnify the City against any claims which may be made for compensation under the provisions of section 992 of the Charter, as amended by chapter 606 of the Laws of 1915. Respectfully submitted,

GEORGE McANENY, President, Board of Aldermen, Chairman; RALPH E. FOLKS, Acting President, Borough of Manhattan; LEWIS H. POUNDS, President, Borough of Brooklyn; JOHN G. BORGSTEDE, Acting President, Borough of The Bronx; MAURICE E. CONNOLLY, President, Borough of Queens; SPIRE PITOU, JR., Acting President, Borough of Richmond; Committee on the City Plan.

The matter was referred back to the Committee on the City Plan for a hearing.

**City Magistrates' Court—Establishment of Grades of Positions; Issue of Special Revenue Bonds and Modification of Schedules (Cal. No. 114).**

The Secretary presented a report of the Committee on Salaries and Grades on the request of Hon. William McAdoo, Chief City Magistrate, for the establishment of various grades of positions required to carry out the provisions of chapter 531 of the Laws of 1915, and for funds to meet the salaries and expenses thereunder.

The Committee recommends (1) the establishment of the necessary grades of positions, (2) the issue of special revenue bonds to pay the salaries and expenses, and (3) the modification of appropriate schedules to include the additional allowance.

(On July 9, 21, 29, and August 5, 12, 19 and 26, 1915, the matter was laid over; on the latter date (Cal. No. 93) until this meeting.)

(At the meeting of July 29, 1915, the Comptroller was authorized to provide for the payment of the increased salary of the Chief City Magistrate and for the payment of the salary of Magistrate Cobb during the remainder of the year 1915.)

The matter was laid over for one week (September 24, 1915).

**Children's Court--Establishment of Grades of Positions; Issue of Special Revenue Bonds and Modification of Schedules (Cal. No. 115).**

The Secretary presented a report of the Committee on Salaries and Grades on the request of Hon. Franklin Chase Hoyt, Presiding Justice of the Children's Court, for the establishment of various grades of positions required to carry out the provisions of chapter 531 of the Laws of 1915, and for funds to meet the salaries and expenses thereunder.

The Committee recommends (1) the establishment of the necessary grades of positions, (2) the issue of special revenue bonds to pay the salaries and expenses, and (3) the modification of appropriate schedules to include the additional allowance.

(On July 9, 21, 29 and August 5, 12, 19 and 26, 1915, the matter was laid over; on the latter date (Cal. No. 94) until this meeting.)

The matter was laid over for one week (September 24, 1915).

**Jean L. Lott et al.—Claim of (Cal. No. 116).**

The Secretary presented a report of the Deputy and Acting Comptroller certifying, pursuant to the provisions of section 246 of the Charter, a claim against the City by Jean L. Lott, individually and as executrix under the last will and testament of Allan L. Purves, deceased, William H. Purves and Barbara S. Cross, for the sum of $600, alleged to be due for the use and occupation for storage purposes by the Department of Parks of certain real property located on the northwest corner of Seeley Street and Prospect Avenue, Borough of Brooklyn, from February 14, 1908, to March 5, 1914.

It is recommended that the Comptroller be authorized to pay the sum of $452.36, without interest, in full satisfaction of said claim, upon the discontinuance of the actions brought against the City by said claimants and the execution of the necessary release in full.

(On September 25, 1914 (Cal. No. 46) this claim was referred to the Comptroller.)

(On August 26, 1915 (Cal. No. 23), the matter was laid over until this meeting.)

The matter was laid over for one week (September 24, 1915).

**Henry E. Fox Construction Company—Claim of (Cal. No. 117).**

(On July 29, 1915 (Cal. No. 73) this matter was laid over until August 26, 1915, and on the latter date (Cal. No. 96) until this meeting.)

The Secretary presented the following certificate of the Comptroller.

The City of New York, Department of Finance, Comptroller's Office, July 26, 1915.

*To the Honorable the Board of Estimate and Apportionment:*

Sirs—Under and pursuant to the provisions of section 246 of the Greater New York Charter, I hereby certify that the Henry E. Fox Construction Company has presented a claim against the City for the sum of $2,040, alleged to be due for additional work under its contract for dredging Bear Swamp Reservoir at Otisville, Orange County, New York; that the work for which claim is made consisted of the removal of 277 cubic yards of solid rock in order to make available the entire capacity of the reservoir and the clearing of an area of about 36 acres above the flow line of dead trees, stumps, underbrush, etc.; that this work was in addition to that called for by the contract and was performed by the contractor by direction of the engineer in charge of the work and upon the understanding that the contractor should receive payment therefor; that the actual cost of said work, as testified to by the claimant corporation was $2,090.94; that the contract contains the usual provision limiting additional work to five per cent. of the estimated contract price, and provides that no allowance shall be made for additional work, unless before the performance thereof, the Board shall have first authorized the same in writing, and the price or prices to be paid therefor shall have first been agreed upon in writing between the President and the contractor, and the same shall have been done or furnished under a written order from the Board given before the performance of such additional work or the furnishing of such additional materials; that as the provisions of the contract governing the performance of additional work were not complied with, said claim is illegal as against the City; that notwithstanding such illegality, it is, in my judgment, equitable and proper for the City to pay the money value of the benefit which it has derived by reason of the performance of said additional work, which is the sum of $1,889.50, and that said sum should be paid to the Henry E. Fox Construction Company in full satisfaction of said claim out of the fund entitled "Bond Account, Department of Health, Sanitorium at Otisville, N. Y., Additional Water Supply and Water Lines, C-DH-7B," upon the execution of a full release in favor of the City. Respectfully,

WM. A. PRENDERGAST, Comptroller.

The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the provisions of section 246 of the Greater New York Charter, being chapter 601 of the Laws of 1907, as amended, hereby determines that The City of New York has received a benefit from and is justly and equitably obligated to pay to the Henry E. Fox Construction Company, without interest, the sum of one thousand eight hundred eighty-nine dollars and fifty cents ($1,889.50) for additional work in connection with the dredging of Bear Swamp Reservoir at Otisville, New York; that the interests of the City will be best subserved by the payment of said sum, which shall be paid only upon the execution of a full release in favor of the City, in such form as may be approved by the Corporation Counsel, and the Comptroller is hereby authorized to pay said sum from "Bond Account, Department of Health, Sanatorium at Otisville, N. Y., Additional Water Supply and Water Lines, C. D. H.—7B."

Which was adopted by the following vote:

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

**Department of Finance—Application of Mrs. Elizabeth Bischoff, Under Chapter 375, Laws of 1915 (Cal. No. 118).**

The Secretary presented a report of the Committee, consisting of the Comptroller and the Corporation Counsel, in the matter of the application of Mrs. Elizabeth Bischoff, widow of the late Henry Bischoff, Justice of the Supreme Court of the State of New York, First Judicial Department, for an allowance of $5,912.90, pursuant to the provisions of chapter 375 of the Laws of 1915, this being the amount of annual compensation of said Justice unpaid by the City and County of New York for the calendar year 1913, which would have been earned by him had he lived until the close of that year and had served as such Justice.

The Committee recommends the allowance of this amount.

(On May 28, 1915 (No. 183), and on June 11, 1915 (Cal. No. 126), the above application was referred to the above mentioned Committee.)

(On July 9, 1915 (Cal. No. 13), the report of the Committee was presented and the matter was laid over until July 29, 1915. On the latter date (Cal. No. 168) it was laid over until August 26, 1915 (Cal. No. 97) and on said date was again laid over.)

The matter was laid over.

**Department of Finance—Application of Mrs. Minnie L. O'Sullivan, Under Chapter 473, Laws of 1915 (Cal. No. 119).**

The Secretary presented a report of the Committee, consisting of the Comptroller and the Corporation Counsel, in the matter of the application of Mrs. Minnie L. O'Sullivan, widow of the late Thomas C. O'Sullivan, Judge of the Court of General Sessions, for an allowance of $5,003.80, pursuant to the provisions of chapter 473 of the Laws of 1915, this being the amount of annual compensation of said Justice unpaid by the City and County of New York for the calendar year 1913, which would have been earned by him had he lived until the close of that year and had served as such Justice.

The Committee recommends the allowance of this amount.

(On May 28, 1913 (Cal. No. 132), the above mentioned application was referred to said Committee.)

(On July 9, 1915 (Cal. No. 14), the report of the Committee was presented and the matter was laid over until July 29, 1915. On the latter date (Cal. No. 169) it was laid over until August 26, 1915 (Cal. No. 98) and on said date was again laid over.)

The matter was laid over.

**Department of Education—Issue of Special Revenue Bonds (Cal. No. 120).**

The Secretary presented a report of the Comptroller submitting, without recommendation, resolution adopted by the Board of Aldermen on June 29, 1915, requesting an issue of special revenue bonds in the sum of $87,600 to be used by the Department of Education for the purpose of providing means to cover the cost of making formal promotions from eligible lists to grades of the last two years in day elementary schools for the period from September 10 to December 31, 1915.

The Comptroller reports that the Departmental Estimate of the Board of Education for the year 1915 contained a request for $265,093.33 to provide for the promotion of 1,000 Teachers to vacancies in the grades of the last two years of the elementary schools, but this request was not allowed by the Board as at the time the Budget was closed the question of eligibility to these grades had not been settled. A controversy on this question between the Board of Education and the State Commissioner of Education was carried into the courts, and ultimately to the Court of Appeals, with the result that the Court of Appeals upheld the jurisdiction of the Commissioner of Education. The estimated cost for the period from September 10 to December 31, 1915, of making promotions to the 1,036 vacancies is $87,600.85, and the Comptroller calls attention to the fact that if the amount requested is voted by the Board, a corresponding increase of approximately $286,692 will have to be made in the General School Fund appropriation for 1916 in order to carry these salary increases during that entire year.

(On August 5, 1915 (Cal. No. 29), this matter was laid over for one week, and the Secretary was directed to request the Corporation Counsel for advice as to the duty and obligation of the Board to authorize the issuance of the special revenue bonds requested for this purpose by the Board of Aldermen, or whether the Board has discretion to withhold its approval of this expenditure.)

(On August 12, 19 and 26, 1915 (Cal. No. 99), the matter was again laid over for one week.)

The Secretary presented a communication from the Acting Corporation Counsel, stating he is of the opinion that the approval or disapproval of the issue of revenue bonds requested is within the discretion of the Board.

The Secretary also presented a supplemental report of the Comptroller, dated September 13, 1915, recommending that the request of the Board of Aldermen for an issue of special revenue bonds in the sum of $87,600, the proceeds to be used by the Board of Education for the purpose of providing means to cover the cost of making formal promotions from eligible lists to grades of the last two years in day elementary schools from the period from September 10 to December 31, 1915, be denied. This report includes specific recommendations regarding the General School Fund allowances for 1916, for day elementary schools.

Hon. Thomas W. Churchill, President, Board of Education, and Mr. Samuel Feinstadt appeared in favor of the request.

The matter was laid over for one week (September 24, 1915).

The supplemental report of the Comptroller was referred to the Committee on Education and the Committee on Tax Budget.

**Department of Health; Presidents of the Boroughs of Brooklyn and Queens—Appropriation for Extermination of Mosquitoes (Cal. No. 121).**

The Secretary presented a joint communication dated August 26, 1915, from the President of the Borough of Brooklyn and the President of the Borough of Queens, relative to a notice by the Board of Health, under section 1215 of the Charter, to drain certain lands situated in said Boroughs for the purpose of eliminating mosquitoes and requesting an appropriation of the necessary money for making maps and surveys.

(On August 26, 1915 (No. 116), the matter was laid over and referred to the Committee on Assessments for report at this meeting.)

The matter was laid over for two weeks (October 1, 1915).

## MATTERS CONSIDERED BY UNANIMOUS CONSENT.

The following matters not on the Calendar for this day were considered by unanimous consent:

**Howard Avenue, Between Pitkin Avenue and Eastern Parkway, Borough of Brooklyn—Widening the Avenue and Changing Grade of Intersecting Streets (No. 122).**

The Secretary presented a communication dated September 17, 1915, from the Secretary to the Mayor, returning without approval by the Mayor resolution adopted August 26, 1915 (Cal. No. 1), changing the map or plan of The City of New York by widening Howard Avenue, between Pitkin Avenue and Eastern Parkway, and

changing the grades of Howard Avenue and of the intersecting streets affected thereby in the Borough of Brooklyn.

Mr. Albert F. Henschel appeared in opposition to the map change.

On motion of the President of the Borough of Brooklyn, the action taken by the Board on August 26, 1915, was reconsidered and the matter was referred to the Committee on the City Plan for a hearing.

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**Public Service Commission for the First District—Consent to Award of Contract with the Altoria Realty and Construction Company for the Construction of Station Finish on Sections Nos. 1 and 2 of Route No. 16, and Sections Nos. 1 and 2 of Route No. 18, of the Seventh Avenue-Lexington Avenue and White Plains Road Rapid Transit Railroad, and Issue of Corporate Stock Therefor (No. 123).**

The Secretary presented the following requisition of the Public Service Commission for the First District and report of the Comptroller recommending approval thereof:

State of New York, 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 on August 31, 1915, transmitted to you for your consent as required by law a proposed contract between The City of New York, acting by the Public Service Commission for the First District, and Altoria Realty & Construction Company for the construction of station finish for parts of the Seventh Avenue-Lexington Avenue and White Plains Road Rapid Transit Railroads (known as Route No. 16, Sections Nos. 1 and 2, and Route No. 18, Sections 1 and 2), and requested the appropriation of the sum of eight hundred and sixty thousand six hundred and thirty-six and fifty one-hundredths dollars ($860,636.50), as the sum necessary to carry out the said contract. Through inadvertence certain details of equipment are included in the contract and the cost thereof should be deducted from the requisition so transmitted.

The Public Service Commission for the First District therefore requests your Honorable Board to consent to said contract so transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract minus the cost of installing the said equipment, to wit, the sum of eight hundred and fifty thousand seven hundred and seventy-three and eighty-eight one-hundredths dollars ($850,773.88), and also to direct the Comptroller of The City of New York to issue the 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 for construction at the public expense of said station finish work, to wit, the sum of eight hundred and fifty thousand seven hundred and seventy-three and eighty-eight one hundredths dollars ($850,773.88).

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 of executing said contract, to wit, the sum of eight hundred and fifty thousand seven hundred and seventy-three and eighty-eight one-hundredths dollars ($850,773.88).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission under date of March 18, 1915, upon your Honorable Board for twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 3, between The City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company 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 Chairman this 14th day of September, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by GEORGE V. S. WILLIAMS, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

(Contract referred to on file.)

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, September 15, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 14, 1915, the Public Service Commission for the First District transmitted for the consent of your Board a proposed contract to be entered into between The City of New York, acting by the said Commission, and the Altoria Realty and Construction Company, for the construction of Station Finish on Sections Nos. 1 and 2 of Route No. 16 and Sections Nos. 1 and 2 of Route No. 18, at an estimated cost to the City of $850,773.88, or a total contract cost of $860,636.50.

The Commission requested the Board to prescribe the limit of eight hundred and fifty thousand seven hundred and seventy-three dollars and eighty-eight cents ($850,773.88), to the amount of bonds to be made available to meet the requirements of 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 $28,200,000, made by the Board on March 18, 1913, for the purposes of Contract No. 3. The proposed contract has been awarded to the lowest bidder among seven competitors.

The work to be done under this contract comprises the finishing of the stations, that is, the installation of structural and ornamental iron work, plumbing, tiling, painting, sheet metal work and hardware, ticket booths, railings and electrical work, necessary to complete the stations in River avenue at 161st and 167th streets; in Jerome avenue at 170th street, Belmont street, 176th street, Burnside avenue, 183rd street, Fordham Road, Kingsbridge Road, Bedford Park Boulevard, Mosholu Parkway and Bainbridge Avenue, being located on a part of the Seventh Avenue-Lexington Avenue Rapid Transit Railroad in The Bronx; at 180th street and Morris Park avenue; in Birchall avenue at Sagamore street; and in White Plains Road at Pelham Parkway, Allerton avenue, Burke avenue, Gun Hill Road, 219th street, 225th street, 233rd street, Nereid avenue, and 241st street, being located on the White Plains Road Rapid Transit Railroad in The Bronx. Twenty-three stations are covered by the contract, requiring an expenditure of about $37,000 per station.

At the Burnside avenue, Kingsbridge, Woodlawn, 180th street, Gun Hill Road and 241st street stations there are to be provided quarters for the railroad employees and at the latter station a recreation room. At the 241st street station, the end of the White Plains Road line, there is to be constructed a room to provide space for restaurant, bath, toilet and smoking facilities for the men. Some supplementary construction work is to be done to the similar quarters provided at the Woodlawn Station as part of the construction contract for Section No. 2 of Route No. 18. The interior finish of these recreation rooms, and their equipment, is not provided for in the contract.

Quarters and accommodations of some such character are necessary at terminals where the train crews report for work and lay off between shifts. While it might be contended that the providing of such quarters was the duty of the Lessee their construction separate from the structure would entail outlays for property purchase or rent and a construction cost beyond that here proposed, the annual carrying charges of which would be included in the operating expenses. For the Lessee to pay for the work as it is now proposed to be done, that is, as part of the elevated structure, a "recapture" of the line by the City would require the separate purchase of these structures.

I am of the opinion that in considering these housing accommodations as a "construction" charge, the City's best interests are served.

The contract as bid on carries items of electrical work which are properly "equipment" charges under the terms of contract No. 3. In making its requisition for funds, the Commission has excluded these items which will involve an estimated expenditure of $9,862.62 by the Lessee.

Article XX. of this contract permits the alternative method of paying for work or material not classifiable at the bid prices, which recently has been under discussion by your Board. I believe that this clause should be eliminated, but in view of the policy determined upon by your Board in the matter of the Holbrook, Cabot and Rollins contract, I recommend that this contract be consented to in the form submitted by the Public Service Commission.

This is in accordance with the policy of your Board, which was to approve, without elimination of the objectionable clause, all contracts advertised and awarded before your Board adopted its resolution of August 26, requesting the excision of the alternative form in all contracts to be submitted to your Board in the future.

I recommend the adoption of the attached resolution consenting to the contract award, limiting the 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 September 14, 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 the said Commission and the Altoria Realty and Construction Company for the construction of Station Finish on Sections 1 and 2 of Route No. 16, and Sections 1 and 2 of Route No. 18, in and about the stations on the lines described as follows:

*Route No.* 16, *Section No* 1—Beginning at a point on property owned by the City on the easterly side of River avenue, in the Borough of The Bronx, about one hundred and twenty (120) feet south of the southerly building line of East 157th street, and extending thence northerly along and over City property, River avenue and Jerome avenue to a point about forty-five (45) feet north of the northerly building line of East 182nd street.

*Route No.* 16, *Section No.* 2—Beginning at a point on Jerome avenue, in the Borough of The Bronx, about forty-five (45) feet north of the northerly building line of East 182nd street, and extending thence northerly along and over Jerome avenue to a point near East 198th street; thence through property owned by the City to a point on Jerome avenue near East 204th street; thence along and over Jerome avenue to a point near the southerly building line of Woodlawn Road.

*Route No.* 18, *Section No.* 1—Beginning at a point in the Borough of The Bronx on the block bounded by West Farms Road, Devoe avenue, East 180th street and Bronx street, about eighty-five (85) feet east of the center line of Bronx street, where a connection can be made with the tracks of the Interborough Rapid Transit Company's storage yard, and extending thence easterly and northeasterly over the Bronx River and City property in the said block, Devoe avenue, East 179th street, City property, Lebanon street and City property to a point in Bronx Park avenue between Lebanon street and East 180th street, curving thence northeasterly over Bronx Park avenue and City property to a point in East 180th street, between Bronx Park avenue and Morris Park avenue; extending thence northeasterly and northerly over City property west of and alongside the tracks of the New York, Westchester and Boston Railroad and over Unionport Road and City property to Birchall avenue; and extending thence northerly along Birchall avenue and White Plains Road to a point in White Plains Road about two hundred and eighty-five (285) feet north of the center line of Burke avenue.

*Route No.* 18, *Section No.* 2—Beginning at a point in White Plains Road in the Borough of The Bronx, about two hundred and eighty-five (285) feet north of the center line of Burke avenue, and extending thence northerly along and over White Plains Road to a point about one hundred and forty-five (145) feet north of the center line of East 241st street.

—at an estimated cost to the City of eight hundred and fifty thousand, seven hundred and seventy-three dollars and eighty-eight cents ($850,773.88) of a total contract cost of eight hundred and sixty thousand six hundred and thirty-six dollars and fifty cents ($860,636.50); and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purpose shall be eight hundred and fifty thousand seven hundred and seventy-three dollars and eighty-eight cents ($850,773.88); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to the amount of eight hundred and fifty thousand seven hundred and seventy-three dollars and eighty-eight cents ($850,773.88) 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 of contract with the Altoria Realty and Improvement Company as set forth in this resolution and described in the requisition of the said Commission to this Board dated September 14, 1915; said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the terms of Contract No. 3.

Which was adopted by the following vote:

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

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**Public Service Commission for the First District—Consent to Award of Contract with Charles Meads & Co., for the Construction of Station Finish on Section No. 2 of Routes 36 and 37 of the Queensboro Subway Rapid Transit Railroad, and Issue of Corporate Stock Therefor (No. 124).**

The Secretary presented the following requisition of the Public Service Commission for the First District and report of the Comptroller recommending approval thereof:

State of New York, 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 on August 18, 1915, transmitted to you for your consent as required by law a proposed contract between The City of New York, acting by the Public Service Commission for the First District, and Charles Meads & Company for the construction of station finish for a part of the Queensboro Subway Rapid Transit Railroad (known as Section No. 2 of Routes Nos. 36 and 37) and requested the appropriation of the sum of Two hundred and sixty-eight thousand one hunderd and two and 50/100 dollars ($268,102.50) as the sum necessary to carry out the said contract. Through inadvertence certain details of equipment are included in the contract and the cost thereof should be deducted from the requisition so transmitted.

The Public Service Commission for the First District therefore requests your Honorable Board to consent to said contract so transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said contract minus the cost of installing the said equipment, to wit, the sum of Two hundred and sixty-five thousand eight hundred and fifty-eight and 18/100 dollars ($265,858.18) and also to direct the Comptroller of The City of New York to issue the the bonds of said city at such rate of interest as the Commissioners of the Sinking Fund of said city may prescribe for the purpose of providing the necessary means for construction at the public expense of said station finish work, to wit, the sum of Two hundred and sixty-five thousand eight hundred and fifty-eight and 18/100 dollars ($265,858.18).

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 of executing said contract, to wit, the sum of Two hundred and sixty-five thousand eight hundred and fifty-eight and 18/100 dollar ($265,858.18).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission under date of March 18, 1913, upon your Honorable Board for Twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract dated March 19, 1915, known as Contract No. 3 between The City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company 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 Chairman this 14th day of September, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by GEORGE V. S. WILLIAMS, Acting Chairman.

(SEAL)

Attest: TRAVIS H. WHITNEY, Secretary.

(Contract referred to on file.)

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, September 15, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 14, 1915, the Public Service Commission for the First District transmitted for the consent of your Board a proposed contract to be entered into between The City of New York, acting by the said Commission, and Charles Meads & Company, for the construction of Station Finish on Section No. 2 of Routes Nos. 36 and 37, at an estimated cost to the city of $265,858.18 of a total contract cost of $268,102.50.

The Commission requested the Board to prescribe the limit of $265,858.18 to the amount of bonds to be made available to meet the requirements of 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 $28,200,000, made by the Board on March 18, 1913, for the purposes of Contract No. 3. The proposed contract has been awarded to the lowest bidder among three competitors.

The contract covers the station finish work on the Second Avenue branch in Queens at the Beebe, Washington, Grand, Hoyt and Ditmars avenues' stations, and at the Broadway station. The average contract cost per station is $44,600.

Structures are to be provided, under this contract, at the Ditmars Avenue station for the accommodation of maintenance and train crews.

The contract covers items of work in the shape of electric conduits, outlet and pull boxes, which in part, by the terms of Contract No. 3, are to be paid for by the Lessee as equipment. The requisition of the Commission eliminates the cost of these as far as now determinable, namely $2,244.32, from the estimated contract cost.

Article XX. of this contract permits the alternative method of paying for work or materials not classifiable at the bid prices, which recently has been under discussion by your Board. I believe that this clause should be eliminated, but in view of the policy determined by your Board in the matter of the Holbrook, Cabot & Rollins contract, I recommend that this contract be consented to in the form submitted by the Public Service Commission.

This is in accordance with the policy of your Board, which was to approve without elimination of the objectionable clause all contracts advertised and awarded before your Board adopted its resolution of August 26, requesting the excision of the alternative form in all contracts to be submitted to the Board in the future.

I recommend the adoption of the attached resolution consenting to the contract award limiting the 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 September 14, 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 the said Commission and Charles Meads & Company for the construction of Station Finish on Section No. 2 of Routes Nos. 36 and 37, described as follows: Beginning at a point on Second avenue (formerly Debevoise avenue), in the Borough of Queens, about three hundred (300) feet south of the centre line of Beebe avenue and extending thence along and over Second avenue to a point about three hundred and thirty (330) feet south of the centre line of Ditmars avenue, at an estimated cost to the City of two hundred and sixty-five thousand eight hundred and fifty-eight dollars and eighteen cents ($265,858.18), of a total estimated contract cost of two hundred and sixty-eight thousand one hundred and two dollars and fifty cents ($268,102.50), and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purpose shall be two hundred and sixty-five thousand eight hundred and fifty-eight dollars and eighteen cents ($265,858.18); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to the amount of two hundred and sixty-five thousand eight hundred and fifty-eight dollars and eighteen cents ($265,858.18), 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 of contract with Charles Meads & Company, as set forth in this resolution and described in the requisition of the said Commission to this Board dated September 14, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the terms of contract No. 3.

Which was adopted by the following vote:

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

**Public Service Commission for the First District—Consent to Award of Contract with Snare & Triest Company for the Construction of Station Finish on Sections Nos. 1 and 3 of Routes Nos. 36 and 37, and on Route No. 50 of the Queensboro Subway Rapid Transit Railroad, and Issue of Corporate Stock Therefor (No. 125).**

The Secretary presented the following requisition of the Public Service Commission for the First District and report of the Comptroller recommending approval thereof:

State of New York, 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 on August 4, 1915, transmitted to you for your consent as required by law a proposed contract between The City of New York, acting by the Public Service Commission for the First District, and The Snare and Triest Company for the construction of station finish for a part of the Queensboro Subway Rapid Transit Railroad (known as Sections Nos. 1 and 3 of Routes Nos. 36 and 37, and Route No. 50) and requested the appropriation of the sum of six hundred and nine thousand eight hundred and eighty-five dollars ($609,885) as the sum necessary to carry out the said contract. Through inadvertence certain details of equipment are included in the contract and the cost thereof should be deducted from the requisition so transmitted.

The Public Service Commission for the First District therefore requests your Honorable Board to consent to said contract so transmitted and to prescribe a limit to the amount of bonds available to meet the requirements of the said conract minus the cost of installing the said equipment, to wit, the sum of six hundred and three thousand one hundred and sixty-six and 95/100 dollars ($603,166.95) and also to direct the Comptroller of The City of New York to issue the 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 for construction at the public expense of said station finish work, to wit, the sum of six hundred and three thousand one hundred and sixty-six and 95/100 dollars ($603,166.95).

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 of executing said contract, to wit, the sum of six hundred and three thousand one hundred and sixty-six and 95/100 dollars ($603,166.95).

This requisition is a sub-requisition on account of and not in addition to the requisition made by the Public Service Commission under date of March 18, 1913, upon your Honorable Board for twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 3 between The City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company 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 Chairman this 14th day of September, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by GEORGE V. S. WILLIAMS, Acting Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

(Contract referred to on file.)

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, September 16, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 14, 1915, the Public Service Commission for the First District transmitted for the consent of your Board a proposed contract to be entered into between The City of New York, acting by the said Commission, and The Snare and Triest Company, as contractor, for the construction of station finish on Sections Nos. 1 and 3 of Routes, Nos. 36 and 37 and on Route No. 50, at an estimated cost to the City of $603,166.95 of a total contract price of $609,885.

The Commission requested the Board to prescribe the limit of $603,166.95 to the amount of bonds to be made available to meet the City's obligations under the proposed contract and to direct the Comptroller to issue bonds to said amount, the same to be charged against the appropriation of $28,200,000 made by the Board on March 18, 1913, for the purposes of Contract No. 3.

The work to be done under this contract comprises the finishing of the stations, that is, the installation of structural and ornamental iron work, plumbing, tiling, painting, sheet metal work and hardware, ticket booths, railings and electrical work, necessary to complete the stations at Queensboro Plaza, Rawson and Monroe Streets, Lowery Street, Bliss and Carolin Street, Lincoln Avenue, Woodside, Fiske Avenue, Broadway, 25th Street, Elmhurst Avenue, Junction Avenue and Alburtis Avenue, all of which are located on the Fifty-ninth Street, Woodside and Astoria Route and the Roosevelt Avenue Route; also at the 11th Street station of the Queensboro Subway and Queensboro Plaza Route. Thirteen stations are covered by the contract requiring an expenditure of about $47,000 per station.

At the Queensboro Plaza, the Woodside, and the Alburtis Avenue stations, there are provided accommodations for the use of the operating employees, and at the last-mentioned station, which is at the end of the Roosevelt Avenue line, additional convenience has been provided in the form of a recreational building to be erected at the end of the railroad structure. In this building, which is 35 feet by 62 feet, provision is to be made for a smoking room, restaurant, store room, boiler room and toilet accommodations and shower baths. The interior finish and equipment are not, however, included in this contract.

Such accommodations as these are necessary at railway terminals, and, while it may be contended that they should be provided by the Lessee, such an arrangement would require the purchase of lands and erection of quarters or renting the same at an expense greater than that of the proposed plan. As all operating expenses must be met before the City enjoys profits from the operation of the railroad, it appears proper to embrace the erection of these quarters in the construction contract.

The contract embraces certain items of electrical work which are properly classed as equipment. In making its requisition for funds the Commission has omitted the cost of these items, the estimated amount of which is $6,718.05.

Article XX of this contract permits the alternative method of paying for work or materials not classifiable at the bid prices, which recently has been under discussion by your Board. I believe that this clause should be eliminated, but in view of the policy determined upon by your Board in the matter of Holbrook, Cabot and Rollins contract, I recommend that this contract be consented to in the form submitted by the Public Service Commission.

This is in accordance with the policy of your Board, which was to approve without elimination of the objectionable clause all contracts advertised and awarded before your Board adopted its resolution of August 26, 1915, requesting the excision of the alternative form in all contracts submitted to your Board in the future.

I recommend the adoption of the attached resolution consenting to the contract award, limiting the 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 September 14, 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 the said Commission, and The Snare and Triest Company, for the construction of Station Finish on Sections Nos. 1 and 3 of Routes Nos. 36 and 37 and Route No. 50, in and about the stations on the line described as follows:

Beginning at a point in the Borough of Queens under Fourth Street near Van Alst Avenue and extending thence easterly through private property, intervening streets and the North Shore Yard of the Long Island Railroad to Davis Street; thence northerly over Davis Street and Ely Avenue to the Queensboro Bridge Plaza; thence easterly over said Plaza to a point near Jackson Avenue, where the road divides into two branches; one branch extending northerly over Jackson Avenue and Second Avenue to a point in Second Avenue about three hundred (300) feet south of the centre line of Beebe Avenue; and the other branch extending easterly over Queens Boulevard, Greenpoint Avenue, Skillman Avenue and Roosevelt Avenue to a point in Roosevelt Avenue, near Sycamore Avenue,

—at an estimated cost to the City of six hundred and three thousand one hundred and sixty-six dollars and ninety-five cents ($603,166.95) of a total estimated contract cost of six hundred and nine thousand eight hundred and eighty-five dollars ($609,885), and be it further

Resolved, That the Board of Estimate and Apportionment prescribes that the limit to the amount of proceeds of corporate stock available for the said purpose shall be six hundred and three thousand one hundred and sixty-six dollars and ninety-five cents ($603,166.95); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York to the amount of six hundred and three thousand one hundred and sixty-six dollars and ninety-five cents ($603,166.95), 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 of contract with The Snare and Triest Company as set forth in this resolution and described in the requisition of the said Commission to this Board dated September 14, 1915, said issue of corporate stock to be charged against the appropriation made by this Board on March 18, 1913, of twenty-eight million two hundred thousand dollars ($28,200,000) for the purposes of carrying out the terms of Contract No. 3.

Which was adopted by the following vote:

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

**Public Service Commission for the First District—Consent to Award of Contract with the Interborough Rapid Transit Railroad Company and the Dock Contractor Company, as Contractor, for the Construction of Section No. 2 of Route No. 29, of the Eastern Parkway Rapid Transit Railroad, and Issue of Corporate Stock Therefor (No. 126).**

The Secretary presented the following requisition of the Public Service Commission for the First District, and report of the Comptroller recommending approval thereof:

State of New York, Public Service Commission for the First District, Tribune Building, 154 Nassau Street, New York, August 11, 1915.

*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, Interborough Rapid Transit Company and Dock Contractor Company for the construction of section 2 of route No. 29, being that part of the proposed Eastern Parkway Rapid Transit Railroad beginning at a point under Nostrand Avenue, in the Borough of Brooklyn about two hundred and twenty (220) feet south of the southerly building line of Church Avenue and extending thence southerly under Nostrand Avenue to a point about one hundred and forty-two (142) feet south of the southeast corner of Flatbush and Nostrand Avenues.

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 eighty-four thousand six hundred and eighteen and fifty-three one-hundredths dollars ($84,618.53), and also to direct the Comptroller of The City of New York to issue the 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 eighty-four thousand six hundred and eighteen and fifty-three one-hundredths dollars ($84,618.53).

The Public Service Commission for the First District does hereby, pursuant to section 45 of the Greater New York Charter, make request 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 eighty-four thousand six hundred and eighteen and fifty-three one-hundredths dollars ($84,618.53).

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 twenty-eight million two hundred thousand dollars ($28,200,000) for the purpose of carrying out the contract dated March 19, 1913, known as Contract No. 3, between The City of New York, acting by the Public Service Commission for the First District, and Interborough Rapid Transit Company 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 Chairman this 11th day of August, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, Chairman.

(Seal.)

Attest: TRAVIS H. WHITNEY, Secretary.

(Contract referred to on file.)

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

*To the Board of Estimate and Apportionment:*

Gentlemen—On August 11, 1915, the Public Service Commission for the First District transmitted for the consent of your Board a proposed contract to be entered into between The City of New York, acting by the said Commission, the Interborough Rapid Transit Company, and Dock Contractor Company, as contractor, for the construction of Section No. 2 of Route No. 29, a part of the Eastern Parkway Rapid Transit Railway, at an estimated cost to the City of $84,618.53 of a total contract cost of $1,692,370.70.

The Commission requested the Board to prescribe the limit of $84,618,53 to the amount of bonds to be made available to meet the requirements of 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 $28,200,000 made by the Board on March 18, 1913, for the purposes of Contract No. 3.

This proposed contract has been awarded to the lowest bidder among ten competitors, in an aggregate amount of $1,692,370.70. The Interborough Rapid Transit Company is made a party to the contract to the extent of meeting 95 per cent. of the contract payments, or to an amount not to exceed $1,607,752.17, and the City is to pay the remaining 5 per cent., or $84,618.53, or whatever additional amount may be necessary to complete the work.

The contemplated work extends along Nostrand avenue from above Erasmus street to Flatbush avenue.

Article XII of this contract permits the alternative method of paying for work or materials not classifiable at the bid prices, which recently has been under discussion by the Board. I believe that this clause should be eliminated, but in view of the policy determined upon by this Board in the matter of the Holbrook, Cabot & Rollins contract, I recommend that this contract be consented to in the form submitted by the Public Service Commission.

This is in accordance with the policy of the board, which was to approve without elimination of the objectionable clause all contracts advertised and awarded before this board adopted its resolution of August 26, requesting the excision of the alternative form in all contracts to be submitted to the Board in the future.

The attached resolution consents to the contract award, limits the amount of the bonds to be made available and authorizes and directs the Comptroller to issue the necessary corporate stock.

Respectfully, ALEX. BROUGH, Deputy and Acting 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 August 11, 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, the Interborough Rapid Transit Company, and Dock Contractor Company, as contractor, for the construction by said Dock Contractor Company of Section No. 2 of Route 29, being that portion of the Eastern Parkway Rapid Transit Railroad beginning at a point under Nostrand avenue, in the Borough of Brooklyn, about two hundred and twenty (220) feet south of the southerly building line of Church avenue and extending thence southerly under Nostrand avenue to a point about one hundred and forty-two (142) feet south of the southeast corner of Flatbush and Nostrand avenues, at an estimated cost to the City of eighty-four thousand six hundred and eighteen dollars and fifty-three cents ($84,618.53), being five (5) per cent. of the total estimated contract cost of one million six hundred and ninety-two thousand three hundred and seventy dollars and seventy cents ($1,692,370.70), the liability of the Interborough Rapid Transit Company under said contract being limited to ninety-five (95) per cent. of said total estimated contract, but not exceeding the sum of one million six hundred and seven thousand seven hundred and fifty-two dollars and seventeen cents ($1,607,752.17); and be it further

Resolved, That said Board prescribes that the limit to the amount of corporate stock available to meet the City's obligation under said contract shall be eighty-four thousand six hundred and eighteen dollars and fifty-three cents ($84,618.53); and be it further

Resolved, That the Comptroller be and is hereby authorized and directed to issue corporate stock of The City of New York in the amount of eighty-four thousand six hundred and eighteen dollars and fifty-three cents ($84,618.53) 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 described in the requisition of the Public Service Commission under date of August 11, 1915; said issue of corporate stock to be charged against the appropriation of twenty-eight million two hundred thousand dollars ($28,200,000) made by said Board on March 18, 1913, for the purpose of carrying out the terms of Contract No. 3.

Which was adopted by the following vote:

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

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**Department of Docks and Ferries—Additional Issue of Corporate Stock; Approval of New Estimate of Cost for Constructing Pier (No. 127).**

The Secretary presented a communication, dated September 15, 1915, from the Secretary, Commissioners of the Sinking Fund, transmitting a resolution adopted by said Commission on September 15, 1915, recommending to this Board the issuance of Corporate Stock to the amount of $12,138.50, for the construction of a shed on the pier at the foot of 29th Street, Borough of Brooklyn; and the following report of the Committee on Corporate Stock Budget, recommending approval of the requests:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, September 17, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 15 the Commissioners of the Sinking Fund recommended to your Board that the Comptroller be authorized to issue $12,138.50 additional corporate stock for the construction of a shed on the pier at the foot of 29th Street Brooklyn. On August 26, 1915, request was made by the Deputy and Acting Commissioner of Docks for approval of a new estimate of cost in the sum of $118,490 for the contract for the construction of the said shed.

The Bureau of Contract Supervision reports upon the foregoing requests, as follows:

"On May 7, 1915, the Board of Estimate and Apportionment authorized $222,500 in corporate stock for the construction of a pier at the foot of 29th Street, Brooklyn.

"On May 5, 1915, the Commissioners of the Sinking Fund approved a proposed lease of this pier to the United States Steel Products Company at an annual rental of $35,000.

"A contract has been awarded for the construction of the pier exclusive of the shed, at a cost of $116,148.50, leaving a balance of $106,351.50 in the fund.

"On August 3, 1915, the form of contract, plans and specifications for the construction of a shed on the pier was approved, at an estimated cost of $106,351.50, the said balance in the fund.

"The Commissioner of Docks, in his request for approval of the contract in the said sum, $106,351.50, stated that the estimate of the cost for the shed, as prepared by his engineers, was $118,000. He was desirous of advertising the contract without delay, and as it was possible that a bid within the balance might be received, he requested approval for $106,351.50.

"On August 23, 1915, bids were received for building the shed on the pier, the lowest bid being $118,490, leaving a deficiency in the amount of the appropriation of $12,138.50.

"Fifteen bids for the work were received, the highest being for $148,637.

"It is not likely, in view of the number and range of the bids, that a lower bid would result if the contract were again advertised, and as it is urgent that the work should be proceeded with as speedily as possible, the Bureau of Contract Supervision is of the opinion that the additional funds should be provided, and the estimate of cost approved at $118,490."

In view of the foregoing we recommend the adoption of the attached resolutions approving the requests. Respectfully,

ALEX. BROUGH, Deputy and Acting 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.

Hon. R. A. C. Smith, Commissioner of Docks, appeared in favor.

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 section 180 of the Greater New York Charter, as amended, and the recommendations of the Commissioners of the Sinking Fund contained in a resolution adopted on September 15, 1915, hereby authorizes the Comptroller to issue additional corporate stock of The City of New York to an amount not exceeding twelve thousand one hundred thirty-eight dollars and fifty cents ($12,138.50), the proceeds to the amount of the par value thereof to be used by the Department of Docks and Ferries for the construction of a shed on the pier at the foot of 29th Street, Borough of Brooklyn.

Which was adopted by the following vote:

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

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The following resolution was offered:

Resolved, That the Board of Estimate and Apportionment, pursuant to the resolution adopted on July 11, 1912, hereby approves the form of contract, plans, specifications and estimate of cost, one hundred and eighteen thousand four hundred and ninety dollars ($118,490) for the construction of a shed on the pier at the foot of 29th Street, Borough of Brooklyn, under the jurisdiction of the Department of Docks and Ferries, the cost to be charged to the fund entitled "C. D. D. 36, Department of Docks and Ferries, Construction of Pier at Foot of 29th Street, Borough of Brooklyn."

Which was adopted by the following vote:

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

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**Department of Docks and Ferries—Approval of Contract, Plans, Specifications, etc. (No. 128).**

The Secretary presented the following report of the Bureau of Contract Supervision:

City of New York, Board of Estimate and Apportionment, Municipal Building, Bureau of Contract Supervision, September 16, 1915.

*To the Board of Estimate and Apportionment:*

Gentlemen—On September 7, 1915, the Deputy and Acting Commissioner of Docks requested approval of the form of contract (No. 1473), plans, specifications and estimate of cost in the sum of $301,000 for building a freight shed with appurtenances on the pier near the foot of Thirty-fifth street, Brooklyn.

The cost is to be paid from a corporate stock fund entitled "C. D. D.—38, Department of Docks and Ferries, Construction of Pier at Foot of 35th St., Brooklyn."

The Board of Estimate and Apportionment approved of the issuance of $638,000 corporate stock on May 7, 1915, and $48,000 corporate stock on July 9, 1915, for the construction of this pier.

A contract has been awarded for the construction of the pier proper at $319,201.

On September 15, 1915, an unencumbered balance of $366,799 remained in the fund.

The form of contract, plans and specifications are satisfactory and the estimate of cost is reasonable.

I recommend the adoption of the attached resolution granting the request.

Respectfully, TILDEN ADAMSON, Director.

Hon. R. A. C. Smith, Commissioner of Docks, appeared in favor.

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 contract, plans, specifications and estimate of cost in the sum of three hundred and one thousand dollars ($301,000) for the construction of a freight shed with appurtenances on the pier near the foot of Thirty-fifth Street, Borough of Brooklyn, under the jurisdiction of the Department of Docks and Ferries, the cost to be paid from the corporate stock fund entitled "CDD-38, Department of Docks and Ferries, Construction of Pier at Foot of 35th Street, Brooklyn," provided, however, if no bids are received for said work within the estimated cost, the amount of such estimated cost upon the bids so received may be reconsidered in its discretion by the Board of Estimate and Apportionment, or by any official designated by the Board, provided that any of such bids is within the amount authorized and available for said work.

Which was adopted by the following vote:

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

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**Broadway and Seventh Avenue Railroad Company (No. 129).**

The Secretary presented a communication dated September 14, 1915, from the Public Service Commission for the First District, transmitting certified copy of order adopted by the Commission September 10, 1915, granting the application of the Broadway and Seventh Avenue Railroad Company, for the approval by the Commission of a declaration of abandonment of its route in University Place from the north side of 14th Street to 8th Street, Borough of Manhattan.

Which was referred to the Bureau of Franchises.

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**Department of Parks, Boroughs of Manhattan and Richmond—Retirement of Samuel Langbein, Laborer (No. 130).**

The Secretary presented a communication, dated September 14, 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 Samuel Langbein, a Laborer in said Department.

Which was referred to the Committee on Salaries and Grades.

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**President, Borough of Manhattan—Retirement of Various Employees (No. 131).**

The Secretary presented a communication, dated September 11, 1915, from the Commissioner of Public Works of the Borough of Manhattan, requesting the retirement, pursuant to chapter 669 of the Laws of 1911, as amended, of the following named employees in the office of the President of the Borough of Manhattan:

Eugene F. Benham, Topographical Draftsman in the Bureau of Design and Survey; Annie M. Hamilton, Attendant in the Bureau of Public Buildings and Offices, and John Thain, Inspector of Masonry and Carpentry, in the Bureau of Buildings.

The matter was referred to the Committee on Salaries and Grades.

**Woodbine Street, Between Knickerbocker Avenue and Irving Avenue, Borough of Brooklyn—Deferring Confirmation of Report of Commissioners of Estimate and Assessment in Proceeding for Acquiring Title (No. 132).**

The Secretary presented a communication, dated September 15, 1915, from the Acting Corporation Counsel, advising that the confirmation of the report of the Commissioners of Estimate and Assessment in the proceeding for acquiring title to Woodbine Street between Knickerbocker Avenue and Irving Avenue, Borough of Brooklyn, was adjourned until the 30th day of September, 1915, and will be further adjourned to October 5, 1915, pursuant to the motion adopted by the Board on August 26, 1915 (Cal. No. 115).

The communication was ordered filed and the Secretary directed to notify the President of the Borough of Brooklyn.

On motion, the Board adjourned to meet on Friday, September 24, 1915, at 10 o'clock A. M.

JOSEPH HAAG, Secretary.

# DEPARTMENT OF FINANCE.

## WARRANTS MADE READY FOR PAYMENT IN DEPARTMENT OF FINANCE WEDNESDAY, SEPTEMBER 29, 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 for 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.** | |
| 51993 | 2-12-15 | | 4-19-15 | Minwax Co. | $992 00 |
| 114017 | | 31946 | 9-20-15 | Pilcher & Tachau | 31 88 |
| | | | | **Commissioner of Accounts.** | |
| 114435 | 8-23-15 | | 9-21-15 | American Press Association | $40 00 |
| | | | | **Municipal Civil Service Commission.** | |
| 114572 | 9- 9-15 | | 9-22-15 | Library Bureau | $65 00 |
| | | | | **Hunter College.** | |
| 112969 | 8-18-15 | | 9-16-15 | William Kreisberg | 499 00 |
| 115912 | | | 9-27-15 | William A. Prendergast as Comptroller | 355 72 |
| | | | | **Department of Correction.** | |
| 115314 | 7-21-15 | | 9-21-15 | William Mann Co. | $5 00 |
| 112858 | 6-15-15 | 42236 | 9-16-15 | Arthur C. Jacobson & Sons | 2,136 39 |
| 112866 | 6-23-15 | 42396 | 9-16-15 | Candee, Smith & Howland Co. | 1,730 00 |
| 112865 | 7- 2-15 | 41123 | 9-16-15 | Murtha & Schmohl Co. | 2,475 00 |
| 112862 | 6-30-15 | 42835 | 9-16-15 | Peter J. Constant | 2,906 94 |
| 112864 | 6-15-15 | 42236 | 9-16-15 | Arthur C. Jacobson & Sons | 8,107 84 |
| 112861 | 5-14-15 | 42677 | 9-16-15 | James S. Barron & Co. | 209 47 |
| 112823 | | | 9-16-15 | H. B. Neesen & Co. | 225 05 |
| 112854 | | 42797 | | Swift & Company | 7,976 16 |
| 112855 | 8-14-15 | 42931 | 9-16-15 | Washburn Crosby Co. | 2,975 00 |
| 112851 | 7-22-15 | 43001 | 9-16-15 | Theodore Linington, Jr. | 123 50 |
| 112850 | 8-31-15 | 43003 | 9-16-15 | The Fleischmann Co. | 190 00 |
| 112857 | 7-31-15 | 41897 | 9-16-15 | Foster Scott Ice Co. | 229 44 |
| 112859 | 5-31-15 | 42364 | 9-16-15 | J. P. Duffy Company | 916 98 |
| 112860 | | 41399 | | New York Telephone Co. | 783 03 |
| 112863 | 6- 1-15 | 42678 | 9-16-15 | Pfister & Vogel Leather Co. | 1,875 00 |
| 112852 | 8-11-15 | 42999 | 9-16-15 | Charles F. Mattlage & Sons | 579 20 |
| 112822 | 7-31-15. | 8-31-15 | 9-16-15 | P. J. McArdle | 133 00 |
| 112849 | | 42998 | | Lewis DeGroff & Son | 202 00 |
| 112848 | 8- 9-15 | 43005 | 9-16-15 | John Bellmann | 531 50 |
| 112824 | 12-31-14 | | 9-16-15 | J. F. Herbert | 133 00 |
| 115313 | 8- 5-15 | | 9-25-15 | Baker Voorhis & Co. | 7 50 |
| 115312 | 7-27-15 | | 9-24-15 | The Will & Baumer Co. | 21 60 |
| 115311 | 7-28-15 | | 9-24-15 | The Frank Richard & Gardner Co. | 7 50 |
| 115309 | 7-20-15 | | 9-24-15 | Schaeffer & Budenberg | 6 80 |
| 115308 | 7-30-15 | | 9-24-15 | George Murphy, Inc. | 18 63 |
| 115307 | 8- 5-15 | | 9-24-15 | McMonagle & Rogers | 2 40 |
| 115318 | 7-29-15 | | 9-24-15 | Department of Correction | 24 00 |
| 115316 | 8-11-15 | | 9-24-15 | The Tabulating Machine Co. | 2 08 |
| 115315 | 8- 6-15 | | 9-24-15 | The J. W. Pratt Co. | 3 50 |
| | | | | **Court House Board.** | |
| 115600 | | | | Chamberlain of The City of New York | $575 89 |
| 115599 | | | 9-25-15 | H. De B. Parsons | 2,420 00 |
| | | | | **County Court, New York County.** | |
| 114875 | 9-22-15 | | 9-23-15 | R. L. Polk & Company, Inc. | $10 00 |
| 115367 | 9-15-15 | | 9-24-15 | Hugh D. McGrane | 100 00 |
| | | | | **Court of Special Sessions.** | |
| 5859 | | | 9-14-15 | Edward W. Krantz | $15 00 |
| 5860 | | | 9-14-15 | Edward W. Krantz | 5 00 |
| 5862 | | | 9-14-15 | Peter Mikolainis | 3 00 |
| 115002 | 9-14-15 | | 9-24-15 | I. B. Lyon Company | 7 50 |
| 115004 | 9- 1-15 | | 9-24-15 | The Peerless Towel Supply Co. | 5 60 |
| 115005 | | | | John Konig | 3 46 |
| 115003 | 8-13-15 | | 9-24-15 | Berkshire Products Co., Inc. | 13 50 |
| | | | | **Court of General Sessions.** | |
| 5936 | | | 9-16-15 | Frank S. Beard | $228 50 |
| 5937 | | | 9-16-15 | Frank S. Beard | 180 50 |
| 5938 | | | 9-16-15 | Frank S. Beard | 110 00 |
| 5935 | | | 9-16-15 | Amos G. Russell | 155 90 |
| 5934 | | | 9-16-15 | Amos G. Russell | 290 00 |
| | | | | **Supreme Court.** | |
| 6113 | | | 9-21-15 | Patrick Curley | $104 16 |
| 6126 | | | 9-21-15 | John G. Roesch | 75 00 |
| 6124 | | | 9-21-15 | Emilie M. Rautenberg | 125 00 |
| 6123 | | | 9-21-15 | George W. Nash | 75 00 |
| 6122 | | | 9-21-15 | John J. Mackin | 75 00 |
| 6121 | | | 9-21-15 | Dennis A. McLaughlin | 125 00 |
| 6120 | | | 9-21-15 | Henry M. Jennings | 62 50 |
| 6119 | | | 9-21-15 | Thomas S. Hume | 166 66 |
| 6118 | | | 9-21-15 | William J. Hill | 104 16 |
| 6117 | | | 9-21-15 | Peter J. Heinlein | 50 00 |
| 6116 | | | 9-21-15 | John J. Doyle | 75 00 |
| 6115 | | | 9-21-15 | Michael J. Deery | 87 50 |
| 6114 | | | 9-21-15 | Samuel D. Davis | 104 16 |
| | | | | **District Attorney, Bronx County.** | |
| 109522 | | | 9- 3-15 | Henry Martin | $90 00 |
| | | | | **District Attorney, Kings County.** | |
| 114969 | | | 9-23-15 | Louis Goldstein | $94 85 |
| | | | | **Board of Excise, Richmond County.** | |
| 114897 | | | 9-23-15 | Michael W. Murphy, Special Deputy Commissioner of Excise, Borough of Richmond | $17 25 |
| | | | | **Board of Excise, Kings County.** | |
| 114887 | | | | James I. Kelly, Special Deputy Commissioner | $107 40 |
| 114887 | | | | James I. Kelly, Special Deputy Commissioner | 107 40 |
| | | | | **Department of Education.** | |
| 112993 | 6- 2-15 | 41347 | 9-16-15 | Cavanagh Bros. & Co. | $621 66 |
| 112799 | 7-22-15 | | 9-16-15 | Paul Euell, Inc. | 123 71 |
| 113000 | | 41647 | 9-16-15 | Frank D. Beattys & Co. | 421 98 |
| 112766 | 8-22-15 | 41461 | 9-16-15 | The J. W. Pratt Co. | 929 16 |
| 113003 | 6-29-15 | 41649 | 9-16-15 | Hinds, Noble & Eldredge | 4,121 69 |
| 112806 | 7- 9-15. | 7-10-15 | 9-16-15 | Lorenzo & Byrns | 107 62 |
| 112967 | 6-30-15 | | 9-16-15 | Hinds, Noble & Eldredge | 126 00 |
| 112992 | | 40988 | 9-16-15 | E. Rutzler Co. | 5,355 00 |
| 112994 | 6-29-15 | 41531 | 9-16-15 | Samuel Lewis | 396 05 |
| 112995 | 7-24-15 | 41227 | 9-16-15 | Ph. Sussman | 248 50 |
| 112999 | | 41653 | 9-16-15 | The Ellsworth Co. | 325 80 |
| 113646 | 7- 8-15. | 7-12-15 | 9-18-15 | William H. Ellis | 37 00 |
| 114737 | 6-15-15 | 41232 | 9-22-15 | Specialty Sales Co. | 31 75 |
| 114738 | 1- 8-15 | 38655 | 9-22-15 | The Harral Soap Co. | 3 80 |
| 114222 | | 43173 | | William Zinsser & Co. | 59 50 |
| 112870 | | | | Department of Parks, Borough of Queens | 563 54 |
| 112968 | 6-28-15 | | 9-16-15 | Peerless Manifold Book Co. | 247 00 |
| 113005 | 7-26-15 | 41631 | 9-16-15 | Albert S. Smith | 235 50 |
| | | | | **Board of City Record.** | |
| 112981 | 8-31-15 | | 9-16-15 | The J. W. Pratt Co. | $732 47 |
| 112979 | 9- 3-15 | 41415 | 9-16-15 | John J. Bradley, trading as M. Bradley | 317 25 |
| 112980 | 9- 8-15 | 40979 | 9-16-15 | M. B. Brown Printing & Binding Co. | 731 85 |
| | | | | **Department of Finance.** | |
| 115658 | | | | William H. D. North | 375 00 |
| 115659 | | | | Rebecca Kaufmann | 210 00 |
| 115660 | | | | Model Fireproof Tenement Co. | 45 00 |
| 115657 | | | | Gilroy Realty Co. | 75 00 |
| 115656 | | | | William Horrmann and Charles Horrmann as executors of the estate of A. Horrmann, deceased | 20 00 |
| 115655 | | | | H. N. Flanagan as agent for John B. Simpson | 108 33 |
| 115654 | | | | Excelsior Estates Co. | 5,000 00 |
| 115653 | | | | George F. Roesch | 300 00 |
| 115652 | | | | Lilian H. Miller | 250 00 |
| 115650 | | | | Saul Katz | 96 00 |
| 115651 | | | | Model Fireproof Tenement Co. | 90 00 |
| 115649 | | | | Percy L. De Nyse and Rulif V. N. De Nyse | 150 00 |
| 115648 | | | | Mrs. Celia Paschkes | 105 00 |
| 115674 | | | | L. Josephine Moses | 385 04 |
| 115674 | | | | L. Josephine Moses | 194 81 |
| 115676 | | | 9-27-15 | Terence H. Forest | 305 00 |
| 115675 | | | 9-27-15 | Henry C. Kennedy | 646 53 |
| 115672 | | | | Marie J. Rose, as executrix and trustee under the last will and testament of Lucia Rose, deceased | 308 69 |
| 115671 | | | | Richard Ravenhall | 621 86 |
| 115671 | | | | Richard Ravenhall | 97 15 |
| 115670 | | | | Margaret Rice | 414 10 |
| 115669 | | | | Edison Electric Illuminating Co. | 204 95 |
| 115668 | | | | Margaret Rice | 1 19 |
| 115673 | | | | Hugh P. Skelly | 10,254 91 |
| 113007 | | 41009 | | John H. Eckhoff, Jr. | 1,284 54 |
| 116090 | | | | William A. Prendergast, as Comptroller, and Henry Bruere, as Chamberlain. | 427 50 |
| 116092 | | | | William A. Prendergast, as Comptroller, and Henry Bruere, as Chamberlain. | 220 00 |
| 116091 | | | | William A. Prendergast, as Comptroller, and Henry Bruere, as Chamberlain. | 35 00 |
| 116094 | | | | Kings County Savings Institution | 1,000 00 |
| 116093 | | | | Matteawan Savings Bank | 350 00 |
| 115068 | | | | Amelia M. Malone | 60 00 |
| 115069 | | | | Jeanne N. Copeland | 83 33 |
| 115070 | | | | C. W. Dellett | 83 33 |
| 115071 | | | | New York Wholesale Fish Dealers' Association | 83 33 |
| 115072 | | | | Ernest G. Hothorn, as assignee of Gustav Stelle | 120 00 |
| 115073 | | | | Florence E. Kernochan, as executrix, etc., under the last will of Thomas K. Kernochan, deceased | 12 50 |
| 115074 | | | | Martin Walter | 135 00 |
| 115075 | | | | Edward H. Johnson and Francis B. Sanford, as executors of the estate of S. W. Johnson, deceased | 100 00 |
| 115076 | | | | Mary Looney | 75 00 |
| 115077 | | | | Varick D. Martin | 287 50 |
| 115078 | | | | A. Marcovitz, as assignee of John F. Kennedy & Co., as assignees of Miss Mary McCartie | 55 00 |
| 115079 | | | | William Texter | 150 00 |
| 115223 | | | | Julia Schaefer and Jacob F. Schaefer. | 270 00 |
| 115222 | | | | St. Anselms Church | 1,187 50 |
| 115221 | | | | Frank P. Lauer | 120 00 |
| 115220 | | | | Cary Manufacturing Co. | 1,125 00 |
| 115219 | | | | Henry Hill | 350 00 |
| 115218 | | | | Oscar Lindemann | 45 00 |
| 115217 | | | | Etta Ehrlich | 337 50 |
| 115216 | | | | The New York City Society of the Methodist Episcopal Church | 175 00 |
| 115215 | | | | John V. Gannon | 180 00 |
| 115214 | | | | First Congregational Church of Morrisania | 200 00 |
| 115213 | | | | Brooklyn Development Co. | 125 00 |
| 115212 | | | | The Trustees of St. John's German Lutheran Church | 487 50 |
| 115211 | | | | Wood, Harmon & Co., as agents for Arthur Lyman | 135 00 |
| 115210 | | | | John Kicherer, Jr. | 153 00 |
| 115209 | | | | United Neighborhood Guild, Inc. | 112 50 |
| 115208 | | | | John Musaus | 60 00 |
| 115207 | | | | Michael Shannon | 75 00 |
| 115198 | | | | Joseph Goldberg, as Assignee of Emanuel Alexander | 562 50 |
| 115199 | | | | Lenox Hill Settlement Association | 90 00 |
| 115200 | | | | Brooklyn Benevolent Society | 45 00 |
| 115201 | | | | The Long Island News Co. | 225 00 |
| 115202 | | | | Church of Our Lady of Solace | 500 00 |
| 115203 | | | | Congregation Lovers of Peace Sfard Galicia | 250 00 |
| 115204 | | | | Mrs. Julia Dillon | 125 00 |
| 115205 | | | | James Keenan | 68 75 |
| 115206 | | | | Mrs. Frances Gold | 150 00 |

| Finance Voucher No. | Invoice Dates or Contract Number. | Received in Department of Finance. | Name of Payee. | Amount. |
|---|---|---|---|---|
| 115046 | | | Stuard Hirschmann | 1,147 46 |
| 115049 | | | C. Henry Offerman or Theodore Offerman, Attorneys in Fact for C. Henry Offerman, Lena Maria Rasch, Anna C. Schmidt, John Offerman and Theodore Offerman | 750 00 |
| 115050 | | | William C. Bergen | 1,125 00 |
| 115048 | | | American Real Estate Co. | 937 50 |
| 115047 | | | Stuard Hirschman | 1,128 52 |
| 115045 | | | Stuard Hirschman | 2,259 60 |
| 115044 | | | William Henderson | 875 00 |
| 115043 | | | August W. Rabe | 150 00 |
| 115042 | | | Catherine G. Burke and Leo H. McCall, Trustees of the Estate of F. P. Burke, deceased | 1,650 00 |
| 115041 | | | The Shetland Co. | 1,050 00 |
| 115040 | | | Mrs. Antonio Reitz | 250 00 |
| 115039 | | | Douglas Realty Co. | 250 00 |
| 115038 | | | Walter J. Salomon | 116 66 |
| 115037 | | | Hyman Cohen | 105 00 |
| 115058 | | | Broadway and 96th Street Realty Co. | 1,750 00 |
| 115059 | | | George W. Hudtwalker and Charles G. Bolmanno, as Executors under the Last Will and Testament of George Grauer, deceased | 37 50 |
| 115060 | | | Academy of Mount St. Ursula, Inc. | 500 00 |
| 115061 | | | David G. Legget, by Clinton R. James, Attorney | 286 56 |
| 115062 | | | C. Henry Offerman or Theodore Offerman, Attorneys in Fact for C. Henry Offerman, Lena Maria Rasch, Anna C. C. Schmidt, John Offerman and Theodore Offerman | 4,538 36 |
| 115063 | | | Roxton Realty Co. | 1,250 00 |
| 115064 | | | George Marshall | 60 00 |
| 115066 | | | Mary Olmstead | 83 33 |
| 115065 | | | Rev. Patrick Cherry | 318 75 |
| 115067 | | | Queens Plaza Court, Inc. | 60 00 |
| 115051 | | | William C. Bergen | 1,125 00 |
| 115052 | | | William C. Bergen | 1,406 25 |
| 115053 | | | Catharine Clary and Helen F. Donohue | 498 00 |
| 115055 | | | Mrs. Mary Smith | 75 00 |
| 115054 | | | Annie Heselschwerdt | 45 00 |
| 115056 | | | Jeremiah W. Kennedy | 75 00 |
| 115057 | | | Georgiana L. McClellan and Emeline D. Winthrop | 225 00 |
| 116683 | | | The Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 1,463 01 |
| 116682 | | | The Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 5,819 18 |
| 116681 | | | The Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 4,573 97 |
| 116680 | | | The Commissioners of the Sinking Fund for Account of the Sinking Fund for the Redemption of the City Debt No. 1 | 1,705 48 |
| 116679 | | | The Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 1,705 48 |
| 116678 | | | The Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 1,356 16 |
| 116677 | | | The Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of the Interest on the City Debt | 1,578 08 |
| 116687 | | | The Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of the Interest on the City Debt | 1,500,000 00 |
| 116675 | | | The Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 1,665 75 |
| 116676 | | | The Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of the Interest on the City Debt | 4,339 73 |
| 116669 | | | The Commissioners of the Sinking Fund for account of the Sinking Fund for the Payment of the Interest on the City Debt | 300,000 00 |
| 116670 | | | The Commissioners of the Sinking Fund for account of the Water Sinking Fund of the City of Brooklyn | 250,000 00 |
| 116671 | | | The Commissioners of the Sinking Fund for Account of the Water Sinking Fund of The City of Brooklyn | 250,000 00 |
| 116672 | | | The Commissioners of the Sinking Fund for Account of the Sinking Fund for the Redemption of the City Debt No. 1 | 250,000 00 |
| 116673 | | | Commissioners of the Sinking Fund for account of the Sinking Fund for the Payment of the Interest on the City Debt | 600,000 00 |
| 116674 | | | The Commissioners of the Sinking Fund for account of the Water Sinking Fund of the City of Brooklyn | 200,000 00 |
| 116694 | | | The Commissioners of the Sinking Fund for account of the Water Sinking Fund of the City of Brooklyn | 100,000 00 |
| 116693 | | | The Commissioners of the Sinking Fund for account of the Water Sinking Fund of the City of Brooklyn | 400,000 00 |
| 116692 | | | The Commissioners of the Sinking Fund for account of the Water Sinking Fund of the City of Brooklyn | 350,000 00 |
| 116691 | | | The Commissioners of the Sinking Fund for account of the Sinking Fund Fund for the Payment of the Interest on the City Debt | 1,000,000 00 |
| 116690 | | | The Commissioners of the Sinking Fund for account of the Sinking Fund for the Payment of the Interest on the City Debt | 200,000 00 |
| 116688 | | | The Commissioners of the Sinking Fund for account of the Sinking Fund for the Redemption of the City Debt No. 1 | 3,500,000 00 |
| 116689 | | | The Commissioners of the Sinking Fund for account of the Sinking Fund for the Redemption of the City Debt No. 1 | 23,589 04 |
| 116686 | | | The Commissioners of the Sinking Fund for account of the Sinking Fund for the Payment of the Interest on the City Debt | 10,109 59 |
| 116685 | | | The Commissioners of the Sinking Fund for account of the Sinking Fund for the Payment of the Interest on the City Debt | 1,627 40 |
| 116684 | | | The Commissioners of the Sinking Fund for account of the Sinking Fund for the Payment of the Interest on the City Debt | 7,643 84 |
| 116664 | | 9-29-15 | M. J. Rudolph Co. | 3,601 38 |
| 116663 | | | Rachel Kaplan or Jacob I. Berman, attorney | 669 96 |
| 116662 | | 9-29-15 | Gus Gregory | 200 00 |
| | | | **Fire Department.** | |
| 112878 | 8-31-15 | 42968 9-16-15 | Thos. W. Woods' Sons, Inc. | 243 60 |
| 112872 | | 42956 | Geo. N. Reinhardt & Co. | 1,100 99 |
| 113026 | 6- 3-15. | 8-27-15 9-16-15 | Department of Correction | 675 00 |
| 113031 | 8-28-15 | 9-16-15 | The Marine Torch Co. | 125 00 |
| 112873 | 8-27-15 | 42957 9-16-15 | J. & T. Adikes | 429 10 |
| 112875 | 8- 7-15 | 42971 9-16-15 | Standard Oil Co. of New York | 919 48 |
| 114422 | 8-30-15 | 42995 9-21-15 | Geo. D. Harris & Co., Inc. | 95 55 |
| 114425 | 4-29-15 | 42045 9-21-15 | Geo. T. Montgomery | 17 89 |
| 112876 | 8-26-15 | 42994 9-16-15 | William Farrell & Son | 2,495 84 |
| 113039 | 3-31-15. | 7-12-15 9-16-15 | International Motor Co. | 195 18 |
| 112874 | 8-27-15 | 42947 9-16-15 | The Clark & Wilkins Co. | 468 60 |
| 112882 | 7-16-15 | 42033 9-16-15 | S. F. Hayward & Co. | 174 30 |
| 112883 | 6-14-15 | 42038 9-16-15 | Stehlin-Miller-Henes Co. | 332 24 |
| 112881 | 8-28-15 | 42970 9-16-15 | Standard Oil Co. of New York | 124 38 |
| | | | **Department of Health.** | |
| 113461 | 8- 3-15 | 42814 9-17-15 | Morris & Co. | 94 51 |
| | | | **Board of Inebriety.** | |
| 112906 | | 9-16-15 | Conron Bros. Company | 257 14 |
| | | | **Law Department.** | |
| 115081 | | 9-24-15 | Louis H. Hahlo, Acting Corporation Counsel | 150 00 |
| | | | **The Mayoralty.** | |
| 6478 | | 9-23-15 | John Purroy Mitchel | 1,250 00 |
| | | | **Public Administrator, Queens County.** | |
| 6184 | | 9-21-15 | Randolph White | 100 00 |
| | | | **Public Recreation Commission.** | |
| 115189 | 4-23-15 | 9-13-15 | Samuel Lewis | 15 05 |
| 115195 | | 9-24-15 | United Electric Service Company | 55 |
| 115193 | | 9-24-15 | Cyril H. Jones | 21 80 |
| 115197 | 8-31-15 | 9-24-15 | Municipal Garage | 26 51 |
| | | | **Bronx Parkway Commission.** | |
| 115101 | | | Graham Building Co., Inc. | 1,273 85 |
| 115099 | | 9-24-15 | John C. Heintz & Jacob Siegel | 11,282 08 |
| 115100 | | 9-24-15 | Louis Formato | 22,564 16 |
| 115102 | | 9-24-15 | Peter D. Fischer & Margaretha Fischer, his wife | 12,307 73 |
| 115103 | | 9-24-15 | Joseph S. Winters | 2,339 87 |
| 115104 | | 9-24-15 | Louise Eberle | 2,410 65 |
| 115105 | | 9-24-15 | Annie Murray | 1,590 00 |
| 115106 | | 9-24-15 | Johanna Michaels | 1,538 71 |
| 115107 | | 9-24-15 | Elizabeth Kimberly Oler | 1,844 40 |
| 115108 | | 9-24-15 | Isidor Alschwang | 1,691 56 |
| 115109 | | 9-24-15 | Samuel Marano and Katty Durney Marano, his wife | 1,839 27 |
| 115110 | | 9-24-15 | Theresa Tengstrom | 1,485 61 |
| 115118 | | 9-24-15 | Julia T. Staff | 1,006 64 |
| 115116 | | 9-24-15 | George Bonavia | 1,273 23 |
| 115112 | | 9-24-15 | Mary A. McCormick | 1,333 76 |
| 115113 | | 9-24-15 | Frank Storey | 1,231 17 |
| 115111 | | 9-24-15 | Henry Charles Hensman | 295 81 |
| 115115 | | 9-24-15 | Emil Marx | 1,025 97 |
| 115114 | | 9-24-15 | Hyman Hordes and Margolia Hordes, his wife | 1,077 27 |
| | | | **Department of Parks.** | |
| 114633 | 8- 1-15 | 9-22-15 | Frank J. Felgenhauer Company, Inc. | $15 00 |
| 114601 | 8-10-15 | 9-22-15 | Standard Oil Co. of New York | 28 09 |
| 112309 | | | Edward Krieger, Bandmaster | 85 00 |
| 112308 | | | Thomas Clark, Bandmaster | 85 00 |
| 114618 | 8- 3-15 | 9-22-15 | James Mulligan | 31 00 |
| | | | **Police Department.** | |
| 112845 | 6-15-15 | 9-16-15 | The Simes Co. | $420 00 |
| 112846 | 6-15-15 | 9-19-15 | The Simes Co. | 498 00 |
| 114198 | 9- 1-15 | 9-21-15 | Novelty Wire Works, Inc. | 86 00 |
| 114213 | 9- 3-15 | 9-21-15 | Joseph D. Duffy | 47 32 |
| 114455 | 8-26-15 | 9-21-15 | General Vehicle Co. | 43 16 |
| 114451 | 9- 7-15 | 9-21-15 | A. B. Brown Co. | 66 10 |
| | | | **President of the Borough of Manhattan.** | |
| 112946 | | 35729 9-16-15 | Eastern Paving Co. | $185 34 |
| 112935 | 8-19-15 | 41360 9-16-15 | Murtha & Schmohl Co. | 167 50 |
| 112937 | | 42400 9-16-15 | The Aztec Asphalt Co. | 5,991 93 |
| 112936 | | 42912 9-16-15 | Christopher Nally | 1,785 00 |
| 112939 | | 30359 9-16-15 | The Barber Asphalt Paving Company | 232 03 |
| 112942 | | 25145 9-16-15 | The Sicilian Asphalt Paving Co. | 216 80 |
| 112941 | | 33257 9-16-15 | The Barber Asphalt Paving Company | 587 55 |
| 112940 | | 30360 9-16-15 | The Barber Asphalt Paving Company | 151 14 |
| 112947 | | 28074 9-16-15 | Harlem Contracting Co. | 182 15 |
| 112943 | | 29369 9-16-15 | The Sicilian Asphalt Paving Co. | 201 10 |
| 114889 | 8-31-15 | 9-23-15 | Holgan Bros. | 11 75 |
| 114890 | 8-26-15 | 9-23-15 | Strauss & Co., Inc. | 25 00 |
| 114893 | 8-31-15 | 9-23-15 | Meyer-Orr Company, Inc. | 30 00 |
| 114894 | | | Doyle & Kelly | 5 50 |
| | | | **President of the Borough of The Bronx.** | |
| 115238 | 9-17-15 | 9-24-15 | Otto Haas | $1 00 |
| 112311 | 8-30-15 | 9-15-15 | Jim Pierce Band and Orchestra | 85 00 |
| 112311 | 8-30-15 | 9-15-15 | J. Pierce Band and Orchestra; Jim Pierce, Bandmaster | 85 00 |
| 115251 | 9-17-15 | 9-24-15 | Otto Haas | 5 00 |
| 115250 | 9- 1-15 | 9-24-15 | A. P. Dienst Co., Inc. | 9 83 |
| 115249 | 9-14-15 | 9-24-15 | L. C. Smith & Bros. Typewriter Co. | 2 65 |
| 115248 | 8-30-15 | 9-24-15 | James H. Rhodes & Company | 16 50 |
| 115247 | 8- 6-15 | 9-23-15 | A. P. Dienst Co., Inc. | 13 24 |
| 115246 | 9-11-15 | 9-24-15 | John B. Elsey | 5 51 |
| 115245 | 9-10-15 | 9-24-15 | United States Tire Co. | 53 49 |
| 115244 | 9-14-15 | 9-24-15 | Vacuum Oil Company | 19 26 |
| 115243 | 9-15-15 | 9-24-15 | Republic Rubber Company | 26 66 |
| 115242 | 9-14-15 | 9-24-15 | Austin Nichols & Co., Inc. | 48 80 |

| Finance Voucher No. | Invoice Dates or Contract Number. | Received in Department of Finance. | Name of Payee. | Amount. |
|---|---|---|---|---|
| 115240 | 9-18-15 | 9-24-15 | Tremont Printing Co. | 5 25 |
| 115239 | 9-13-15 | 9-24-15 | The Clark & Wilkins Co. | 18 00 |
| 115257 | 8-31-15. 9- 2-15 | 9-24-15 | A. P. Dienst Co., Inc. | 12 67 |
| 115256 | 8-28-15 | 9-24-15 | National Lead Co. | 44 95 |
| 115252 | 9- 8-15 | 9-24-15 | Metropolitan Sewer Pipe Co. | 24 23 |
| | | | **President of the Borough of Brooklyn.** | |
| 113010 | | 41572 9-16-15 | J. F. Cogan Co. | $45,225 65 |
| 113009 | 8-18-15 | 43207 9-16-15 | Thomas Gill Soap Co. | 702 13 |
| 115334 | 8-31-15 | 9-24-15 | Municipal Garage | 14 84 |
| 115350 | 8- 5-15 | 9-24-15 | Samuel Kaplan | 1 80 |
| 115349 | 9- 1-15 | 9-24-15 | Cook Electric Co. | 3 75 |
| 115354 | 9-15-15 | 9-24-15 | Audley Clarke Co. | 53 40 |
| 115331 | 9- 8-15 | 9-26-15 | Audley Clarke Co. | 13 50 |
| 115330 | 8-31-15 | 9-24-15 | Municipal Garage | 7 13 |
| 115353 | 9-17- 5 | 9-24-15 | Standard Oil Co. of New York | 16 00 |
| 107345 | | 35995 8-27-15 | John J. Creem Co. | 41,789 35 |
| | | | **President of the Borough of Queens.** | |
| 112977 | | 39161 9-16-15 | Joseph Rosenthal | $3,631 51 |
| 112974 | | 31198 9-16-15 | Continental Public Works Co. | 175 73 |
| 112975 | | 32297 9-16-15 | Continental Public Works Co. | 288 68 |
| 112972 | | 39864 | Clancy & Huhn Contracting Co. | 137 77 |
| 112970 | | 42431 9-16-15 | H. J. Mullen Contracting Co., Inc. | 6,466 80 |
| 112976 | | 27444 | Newman & Carey Co. | 2,370 16 |
| 112971 | | 39445 9-16-15 | Moffat Contracting Co. | 141 99 |
| 112973 | | 39883 9-16-15 | The Royal Company of New York, assignee of Public Works Contracting Co. | 9,335 21 |
| | | | **Public Service Commission.** | |
| 115382 | | | Abraham & Straus | $18 40 |
| 115422 | 7-27-15 | 9-24-15 | The Tablet & Ticket Co. | 2 55 |
| 115371 | 5-31-15. 6-30-15 | 9-24-15 | The Brooklyn Union Gas Co. | 3 16 |
| 115378 | 7-27-15. 8-28-15 | 9-24-15 | Westchester Lighting Co. | 2 50 |
| 115370 | 8- 1-15. 9- 1-15 | 9-24-15 | The Bronx Gas & Electric Co. | 4 20 |
| 115379 | | | Thomas D. Hoxsey, Secretary | 57 46 |
| 115368 | 9- 7-15 | 9-24-15 | Adams Express Co. | 28 92 |
| 115429 | 8- 7-15 | 9-24-15 | Wolf Safety Lamp Co. of America, Inc. | 1 68 |
| 115426 | 8-20-15 | 9-24-15 | Whitall, Tatum Co. | 3 33 |
| 115391 | 8-25-15 | 9-24-15 | Commercial Utilities Mfg. Co. | 1 00 |
| 115390 | 8-31-15 | 9-24-15 | G. M. Christie | 14 00 |
| 115386 | 8-12-15 | 9-24-15 | Brooklyn Ladder Co., Inc. | 2 10 |
| 115384 | 8- 2-15 | 9-24-15 | Atlas Press Clipping Agency | 16 66 |
| 115383 | 9-11-15 | 9-24-15 | American Electric Railway Association | 4 00 |
| 113083 | | 31544 9-16-15 | Bradley Contracting Co. | 11,847 28 |
| 113055 | | 31546 9-16-15 | Bradley Contracting Co. | 18,552 37 |
| 113074 | | 40383 | Rapid Transit Subway Construction Co. | 33,390 55 |
| 113054 | | 32215 9-16-15 | Patrick McGovern & Co., assignee of Patrick McGovern | 5,460 25 |
| 113079 | | 38423 9-16-15 | Degnon Contracting Co. | 1,581 48 |
| 113063 | | 37711 9-16-15 | The Snare & Triest Co. | 38,028 73 |
| 113059 | | 35779 9-16-15 | E. E. Smith Contracting Co. | 15,165 13 |
| 113062 | | 43314 9-16-15 | American Iron & Steel Mfg. Co. | 597 00 |
| 113067 | | 39103 9-16-15 | Oscar Daniels Co. | 2,733 69 |
| 113071 | | 39181 9-16-15 | Equitable Trust Co. of New York, assignee of Cooper & Evans Co. | 4,489 59 |
| 113058 | | 34744 9-16-15 | Richard Carvel Co., Inc., assignee of Lyttleton Fox as trustee in bankruptcy of John F. Stevens Construction Co. | 80,448 50 |
| 113053 | | 34923 9-16-15 | Frederick L. Cranford, Inc., assignee of Frederick L. Cranford | 8,302 54 |
| 113076 | | 38945 9-16-15 | Rapid Transit Subway Construction Co. | 161 67 |
| 113084 | | 38945 9-16-15 | Rapid Transit Subway Construction Co. | 3,177 37 |
| 113082 | | 40386 9-16-15 | The Degnon Contracting Co. | 24,977 76 |
| 113057 | | 37788 9-16-15 | E. E. Smith Contracting Co. | 43,716 48 |
| 115408 | 8- 9-15. 9-14-15 | 9-24-15 | Library Bureau | 29 70 |
| 115399 | 9- 7-15 | 9-24-15 | Doane & Edelmann | 9 26 |
| 115396 | 8-26-15. 9- 7-15 | 9-24-15 | F. W. Devoe & C. T. Raynolds Co. | 21 68 |
| 115380 | | | H. A. D. Hollmann, Auditor | 360 58 |
| 113077 | | 40886 9-16-15 | Frederick L. Cranford, Inc. | 31,734 25 |
| 113065 | | 39323 9-16-15 | United States Realty & Improvement Co. | 2,108 41 |
| 113070 | | 40105 | Rapid Transit Subway Construction Co. | 3,912 78 |
| 113064 | | 38422 9-16-15 | The Degnon Contracting Co. | 2,677 84 |
| 113069 | | 39001 9-16-15 | The Degnon Contracting Co. | 6,611 60 |
| 113078 | | 40976 9-16-15 | Smith, Hauser & MacIsaac, Inc. | 66,174 82 |
| 113052 | | 39492 9-16-15 | Cranford Co. | 50,199 88 |
| 113051 | | 39492 9-16-15 | Cranford Co. | 100,399 76 |
| 113075 | | 40466 9-16-15 | Rapid Transit Subway Const. Co. | 9,560 82 |
| 113085 | | 40385 9-16-15 | Holbrook, Cabot & Rollins Corp. | 1,256 76 |
| 113061 | | 41614 9-16-15 | Samuel Beskin | 647 54 |
| 113060 | | 41614 9-16-15 | Samuel Beskin | 3,220 38 |
| 113080 | | 34477 9-16-15 | O'Rourke Engineering Construction Co. | 11,295 72 |
| 113087 | | 40384 9-16-15 | Flinn-O'Rourke Co., Inc., Assignees of Booth & Flinn, Ltd., & O'Rourke Engineering Const. Co. | 7,717 92 |
| 113066 | | 38426 9-16-15 | Oscar Daniels Co. | 1,966 61 |
| 113068 | | 38427 9-16-15 | Rodgers & Hagerty, Inc. | 5,864 81 |
| 113073 | | 40315 9-16-15 | Cranford Co. | 23,891 70 |
| 113072 | | 40315 9-16-15 | Cranford Co. | 23,891 70 |
| 113081 | | 40317 9-16-15 | Flinn-O'Rourke Co., Inc., Assignee of Booth & Flinn, Ltd., & O'Rourke Engineering Const. Co. | 159,304 59 |
| 113086 | | 40885 9-16-15 | Rapid Transit Subway Const. Co. | 73,484 76 |
| 113056 | | 31545 9-16-15 | Bradley Contracting Co. | 4,050 31 |
| | | | **Department of Public Charities.** | |
| 114279 | 7-31-15 | 42805 9-21-15 | David Isaacs | $67 77 |
| 114270 | 8-31-15 | 43003 9-21-15 | The Fleischmann Co. | 76 60 |
| 114290 | 7-31-15 | 42788 9-21-15 | A. Silz, Inc. | 30 22 |
| 114291 | 7-31-15 | 42788 9-21-15 | A. Silz, Inc. | 79 09 |
| | | | **Commissioner of Records.** | |
| 6549 | | 9-25-15 | George F. Williams | $25 00 |
| 115164 | 9-23-15 | 9-24-15 | James H. Leddy | 5 00 |
| | | | **Register, New York County.** | |
| 114902 | 9- 3-15. 9- 9-15 | 9-23-15 | Theo. Moss & Co. | $2 70 |
| 114904 | 9-21-15 | 9-23-15 | Fallon Law Book Co. | 1 00 |
| 114900 | 9- 1-15 | 9-23-15 | Nickel Towel Supply | 19 64 |
| 114901 | 7-22-15. 9-10-15 | 9-23-15 | Elliott, Fisher Co. | 18 06 |
| 115225 | | 9-24-15 | Theodore Kolber, Bookkeeper | 1 98 |
| | | | **Register, Bronx County.** | |
| 115226 | | 9-24-15 | New York Telephone Co. | $21 46 |
| | | | **Department of Street Cleaning.** | |
| 115151 | | 9-24-15 | The Relief and Pension Fund of the Department of Street Cleaning, J. T. Fetherston, Commissioner, as Treasurer and Trustee | 84 19 |
| 115611 | | 9-25-15 | The Relief and Pension Fund of the Department of Street Cleaning, J. T. Fetherston, Commissioner, as Treasurer and Trustee | 528 52 |
| 115610 | | 9-25-15 | The Relief and Pension Fund of the Department of Street Cleaning, J. T. Fetherston, Commissioner, as Treasurer and Trustee | 1,006 23 |
| 115609 | | 9-25-15 | The Relief and Pension Fund of the Department of Street Cleaning, J. T. Fetherston, Commissioner, as Treasurer and Trustee | 2,203 45 |
| 115152 | | 9-24-15 | The Relief and Pension Fund of the Department of Street Cleaning, J. T. Fetherston, Commissioner, as Treasurer and Trustee | 134 84 |
| | | | **Board of Water Supply.** | |
| 113090 | | 42110 9-16-15 | Frederick W. Burnham | $10,952 60 |
| 6458 | | 9-23-15 | Joseph A. Walsh | 33 15 |
| 113089 | | 40739 | Oscar Daniels Co. | 16,116 27 |
| 113088 | | 42527 9-16-15 | Zadoc P. Boice | 3,658 50 |
| 113091 | | 39597 9-16-15 | A. L. Guidone & Co. | 4,198 05 |
| 114980 | 8-19-15 | 9-23-15 | Rutherford Rubber Co. | 24 75 |
| 114973 | | 9-23-15 | Westchester Lighting Company | 70 |
| 114975 | 9- 1-15 | 9-22-15 | Board of Water Commissioners—Village of White Plains | 3 66 |
| 114979 | 9- 1-15 | 9-23-15 | Crawaupun Tire and Repair Company, Inc. | 7 00 |
| 114976 | 9- 2-15 | 9-23-15 | Giles and Clark | 38 22 |
| 114976 | 9- 2-15 | 9-23-15 | Giles and Clark | 38 22 |
| 114978 | 9- 1-15 | 9-23-15 | Mead & Taft Co. | 5 00 |
| 114982 | 8-31-15 | 9-23-15 | L. S. Winne & Co. | 19 47 |
| 114971 | 7-31-15. 8-31-15 | 9-23-15 | Lawson Motor Car & Garage Co. | 51 00 |
| 5954 | | 9-16-15 | State Law Reporters, Inc. | 182 20 |
| | | | **Department of Water Supply, Gas and Electricity.** | |
| 112925 | 7-30-15 | 41385 9-16-15 | The Flatbush Gas Co. | $154 40 |
| 112922 | 7-30-15 | 41385 9-16-15 | The Flatbush Gas Co. | 231 49 |
| 112920 | 1-28-15 | 41154 9-16-15 | Westchester Lighting Company | 3,292 47 |
| 112932 | | 42529 9-16-15 | Yorkville Bank, Assignee of Louis Coppeto | 8,816 57 |
| 112933 | | 42660 9-16-15 | Rogers & McManus | 15,102 50 |
| 112934 | | 43113 9-16-15 | The John J. Hearn Construction Co. | 1,492 13 |
| 115284 | | | Edward F. Joyce | 40 51 |
| 115276 | | | Michael J. Curren | 1 75 |
| 115286 | | | Thos. F. Crelly | 54 16 |
| 115288 | | | Walter Lethbridge, Inspector | 37 50 |
| 115287 | | | James H. Little, Inspector | 81 62 |
| 115285 | | | James Thompson, Inspector | 18 00 |
| 115278 | | | E. Beardsley | 18 54 |
| 115281 | | | Luther R. Sawin, Bacteriologist | 14 32 |
| 115280 | | 9-24-15 | Joseph Goodman, Asst. Engr. | 4 85 |
| 115270 | | 9-24-15 | Geo. R. Ferguson, Asst. Engr. | 31 35 |
| 115275 | | 9-24-15 | John A. Byrne, Borough Engineer | 5 75 |
| 115282 | | 9-24-15 | Nelson H. Henry, Water Register | 100 65 |
| 115283 | | | Matthew F. Quinn | 50 |
| 114248 | 8-16-15 | 9-21-15 | The Fairbanks Co. | 75 14 |
| 115277 | | | G. H. Williams, Engineer in Charge | 42 32 |
| 90370 | | | Charles Broadway Rouss | 1,310 00 |
| 112926 | 6-30-15 | 41284 9-16-15 | The Brooklyn Union Gas Co. | 533 47 |
| 112928 | 6-30-15 | 41386 9-16-15 | Edison Electric Illuminating Co. of Brooklyn | 294 35 |
| 112927 | 17-31-15 | 41284 9-16-15 | The Brooklyn Union Gas Co. | 380 18 |
| 112931 | 8- 3-15 | 42048 9-16-15 | New York & Richmond Gas Co. | 210 47 |

## VOUCHERS RECEIVED IN DEPARTMENT OF FINANCE, WEDNESDAY, SEPTEMBER 29, 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. |
|---|---|---|---|
| | | **Board of Aldermen.** | |
| 116773 | 5-31-15 | N. Y. Telephone Co. | $106 24 |
| 116774 | | John J. Traynor | 8 20 |
| | | **County Court, Kings County.** | |
| 116772 | | C. W. Todd & Co. | $70 00 |
| 116775 | 9-18-15 | Bklyn. Heights R. R. Co. | 12 00 |
| | | **City Magistrates' Courts.** | |
| 116666 | 9- 5-15 | Defender Photo Supply Co. | $185 22 |
| 116667 | 9- 8-15 | Ansco Co. | 171 00 |
| 116668 | 9-15-15 | Burrough's Adding Machine Co. | 286 65 |
| | | **Surrogates' Court, New York County.** | |
| 116810 | 8- 3-15 | Knickerbocker Towel Supply Co. | $20 00 |
| 116811 | | The Lily Cup Co. | 14 55 |
| | | **Board of City Record.** | |
| 116836 | 9- 7-15 | Wm. Bratter & Co. | $33 85 |
| 116837 | 9- 2-15 | M. B. Brown P. & B. Co. | 30 00 |
| 116838 | 9- 8-15 | Herald Square Press | 8 32 |
| 116839 | 8-26-15 | The Trow Press | 8 32 |
| 116840 | 9- 7-15 | Bklyn. Daily Eagle | 68 50 |
| 116841 | 9-10-15 | Vacuo Static Carbon Co. | 1 90 |
| 116842 | 9- 9-15 | Library Bureau | 9 80 |
| 116843 | 9- 2-15 | Tiebel Bros. | 20 60 |
| 116844 | 9- 7-15 | Wm. F. Albers | 29 50 |
| 116845 | 8- 8-15 | Tower Mfg. & Nov. Co. | 45 72 |
| 116846 | 9- 4-15 | Clarence S. Nathan | 40 99 |
| 116847 | 9- 1-15 | E. G. Soltmann | 21 00 |
| 116848 | 9-13-15 | Remington Typewriter Co. | 12 00 |
| 116849 | 9- 7-15 | P. J. Collison & Co. | 245 40 |
| 116852 | 8-11-15 | Wm. Bratter & Co. | 349 29 |
| 116853 | 9-14-15 | The I. W. Pratt Co. | 172 73 |
| 116854 | 8-31-15 | M. B. Brown P. & B. Co. | 238 29 |
| 116949 | 40983 | I. W. Pratt Co. | 135 00 |
| 116950 | 40983 | J. W. Pratt Co. | 326 07 |
| 116951 | 40983 | J. W. Pratt Co. | 1 08 |
| 116952 | 40983 | J. W. Pratt Co. | 3,303 23 |
| 116953 | 40983 | J. W. Pratt Co. | 40 99 |
| 116954 | 41902 | N. Y. Telephone Co. | 53 84 |
| 116855 | 8-31-15 | The O'Connell Press | 559 24 |
| 116856 | 8-27-15 | J. W. Pratt Co. | 538 65 |
| 116857 | 8-30-15 | M. B. Brown P. & B. Co. | 2,278 52 |
| | | **District Attorney, New York County.** | |
| 116776 | | M. Zalkowitz | $10 66 |
| 116777 | | Frank Connor | 11 72 |
| 116778 | | James Dalton | 97 37 |
| 116779 | 9-17-15 | Frank Tourist Co. | 112 40 |
| 116780 | | John J. Buckley | 46 73 |
| | | John J. Buckley | 76 67 |
| | | John J. Buckley | 57 75 |
| | | John J. Buckley | 427 38 |
| | | **Board of Elections.** | |
| 116749 | 42828 | M. B. Brown P. & B. Co. | $2,889 00 |
| 116750 | 7-31-15 | M. B. Brown P. & B. Co. | 405 90 |
| 116751 | 9-23-15 | M. B. Brown P. & B. Co. | 63 00 |
| 116752 | 9-24-15 | M. B. Brown P. & B. Co. | 300 50 |
| 116753 | 9- 2-15 | Norman L. Coe & Son | 120 00 |
| 116754 | 9-16-15 | The Schapirograph Co. | 4 00 |
| 116755 | 8- 5-15 | John R. Moynihan | 107 00 |
| 116756 | 9-10-15 | John Hirten | 19 00 |

| Finance Voucher No. | Invoice or Contract Date | Name of Payee. | Amount. |
|---|---|---|---|
| 116757 | 8-31-15 | W. F. Bartholomew | 8 50 |
| 116758 | 9- 7-15 | Reimers & Gabay | 62 16 |
| 116759 | 9-16-15 | Reimers & Gabay | 257 90 |
| 116760 | 9-25-15 | Wilson, Bohannan, Inc. | 316 73 |
| 116761 | 8-27-15 | M. B. Brown P. & B. Co. | 13 80 |
| 116743 | 9-10-15 | P. Belford & Son | 21 00 |
| 116744 | 9-15-15 | North Side Storage Warehouse Co. | 5 00 |
| 116745 | 8-31-15 | N. Y. Telephone Co. | 11 62 |
| 116746 | 8-31-15 | N. Y. Telephone Co. | 4 50 |
| 116747 | 9-17-15 | Underwood Typewriter Co. | 7 00 |
| 116748 | 9-23-15 | Angus Pntg. & Pub. Co. | 90 87 |
| | | **Board of Estimate and Apportionment.** | |
| 116869 | 42281 | N. Y. Telephone Co. | $30 14 |
| 116873 | 8-30-15 | The Tabulating Machine Co. | 11 00 |
| 116874 | 9- 4-15 | A. B. Dick Co. | 8 58 |
| 116875 | 7-23-15 | Patterson, Gottfried & Hunter, Inc. | 2 60 |
| 116876 | 9-16-15 | Emerson Apparatus Co. | 3 00 |
| 116877 | 9- 4-15 | Underwood Typewriter Co. | 2 00 |
| 116878 | 8-27-15 | Patterson, Gottfried & Hunter | 3 26 |
| 116879 | 9- 9-15 | Patterson, Gottfried & Hunter | 33 99 |
| 116880 | 9-17-15 | Gottlieb Greiner | 37 85 |
| 116881 | 9-14-15 | The J. W. Pratt Co. | 7 00 |
| 116882 | 9-23-15 | Library Bureau | 6 56 |
| 116872 | 7-12-15 | T. Irving Simonson | 395 00 |
| 116871 | 9-15-15 | Edwin H. A. Seligman | 35 00 |
| 116870 | 9- 1-15 | J. F. Hazrick, Clerk | 11 32 |
| | | **Department of Education.** | |
| 116640 | 42725 | Samuel Gallucci | $450 00 |
| 116634 | 9- 1-15 | Fred H. Johnson | 19 00 |
| 116635 | 8- 1-15 | A. W. Ross, Deputy | 99 50 |
| 116636 | 5- 4-15 | M. J. Tobin | 651 63 |
| 116633 | 8-16-15 | William Kreisberg | 259 00 |
| 116637 | 6- 1-15 | W. L. Johnson | 9 00 |
| 116638 | 7-12-15 | Hobart H. Todd | 82 30 |
| 116639 | 5-25-15 | Walter S. McGrane | 8 00 |
| 116641 | 8-23-15 | Ernest W. Newman | 127 21 |
| 116627 | 6-30-15 | M. M. Golding | 333 50 |
| 116628 | 8-11-15 | Ernest W. Newman | 769 00 |
| 116629 | 8-24-15 | Wm. J. McDermott | 28 50 |
| 116630 | 7-28-15 | Wm. J. McDermott | 178 00 |
| 116631 | 8-11-15 | Ernest W. Newman | 45 00 |
| 116632 | 9-10-15 | Ernest W. Newman | 105 00 |
| 116625 | 41484 | The J. W. Pratt Co. | 1,249 87 |
| 116626 | 41461 | The J. W. Pratt Co. | 2,362 85 |
| | | **Department of Finance.** | |
| 116624 | 41936 | N. Y. Tel. Co. | $943 53 |
| 116642 | | Asylum of St. Vincent de Paul | 599 64 |
| 116643 | | Assn. for Befriending Children and Young Girls, House Holy Family | 922 74 |
| 116644 | | Brooklyn Training School and Home for Young Girls | 478 57 |
| 116645 | | Beth Israel Hospital | 3,220 04 |
| 116646 | | Beth Israel Hospital | 2,551 40 |
| 116647 | | Blythedale Home for Tubercular Crippled Children. | 442 55 |
| 116648 | | Blythedale Home for Tubercular Crippled Children | 368 03 |
| 116649 | | Brooklyn Children's Aid Society | 1,775 98 |
| 116650 | | Catholic Institute for the Blind | 475 50 |
| 116651 | | Council Home for Jewish Girls | 242 88 |
| 116652 | | Good Counsel Training School for Young Girls | 1,409 64 |
| 116653 | | Hebrew Sheltering Guardian Society | 11,508 28 |
| 116654 | | Orphan Home, Brooklyn | 8,443 93 |
| 116655 | | St. Agatha Home for Children | 6,296 79 |
| 116656 | | St. Joseph's Asylum | 4,158 21 |
| 116657 | | The Hospital of the Holy Family | 1,221 10 |
| 116658 | | The Children's Home at Mineola, N. Y. | 232 50 |
| 116659 | | The Jewish Hospital | 2,094 83 |
| 116660 | | The Jewish Protectory and Aid Society | 5,715 47 |
| 116661 | | Ottilie Orphan Asylum | 588 57 |
| 116662 | | Gus Gregory | 200 00 |
| 116663 | | Rachel Kaplan | 669 96 |
| 116664 | | M. J. Rudolph Co. | 3,601 38 |
| 116686 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 10,109 59 |
| 116687 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 1,500,000 00 |
| 116688 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Redemption of the City Debt No. 1 | 3,500,000 00 |
| 116689 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Redemption of the City Debt No. 1 | 23,589 04 |
| 116690 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 200,000 00 |
| 116691 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 1,000,000 00 |
| 116692 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 350,000 00 |
| 116693 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 400,000 00 |
| 116694 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 100,000 00 |
| 116677 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 1,578 08 |
| 116678 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 1,356 16 |
| 116679 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 1,705 48 |
| 116680 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Redemption of the City Debt, No. 1 | 1,705 48 |
| 116681 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 4,573 97 |
| 116682 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 5,819 18 |
| 116683 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 1,463 01 |
| 116684 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 7,643 84 |
| 116685 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 1,627 40 |
| 116669 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 300,000 00 |
| 116670 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 250,000 00 |
| 116671 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 250,000 00 |
| 116672 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Redemption of the City Debt, No. 1 | 250,000 00 |
| 116673 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 600,000 00 |
| 116674 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 200,000 00 |
| 116675 | | Commissioners of the Sinking Fund for Account of the Water Sinking Fund of the City of Brooklyn | 1,665 75 |
| 116676 | | Commissioners of the Sinking Fund for Account of the Sinking Fund for the Payment of Interest on the City Debt | 4,339 73 |
| 116721 | | Maurice Meyers | 90 00 |
| 116722 | | Henry L. Byrnes | 75 00 |
| 116723 | | Hugh J. Christie as Receiver | 1,750 00 |
| 116724 | | Frank D. Creamer, Administrator with the Will Annexed of the Estate of F. D. Creamer, Deceased | 1,562 50 |
| 116725 | | Terrence Nugent | 105 00 |
| 116726 | | Realty Associates | 150 00 |
| 116727 | | James Dobbins as Attorney in Fact for John Dobbins | 240 00 |
| 116728 | | Mrs. Mathilde Protzmann | 55 00 |
| 116729 | | Mary Connelly as Executrix of the Last Will and Testament of T. Connolly, Deceased | 2,000 00 |
| 116730 | | The Andrews Institute for Girls | 450 00 |
| 116731 | | C. Henry Offerman or Theo. Offerman, Attorneys in Fact for C. H. Offerman, Lena Maria Rasch, Anna C. Schmidt, John Offerman and Theo. Offerman | 962 50 |
| 116732 | | Wm. F. Hueston, Executor, and Sarah Churchill, Executrix, under the Last Will and Testament of Thomas Hueston, Deceased | 135 00 |
| 116733 | | Louis Tekulsky | 105 00 |
| 116734 | | Matthias Haffen | 150 00 |
| 116735 | | C. Henry Offerman or Theo. Offerman, Attorneys, etc. | 166 67 |
| 116736 | | Cecelia A. Bavendam | 75 00 |
| 116737 | | Richard W. Lawrence as Trustee under the Last Will and Testament of C. Kohler, Deceased | 750 00 |
| 116738 | | Brooklyn Ash Removal Co., Inc. | 91 25 |
| 116739 | | Alexander Walker | 750 00 |
| 116740 | | J. & M. Haffen Brewing Co. | 625 00 |
| 116891 | 6-14-15 | Charles Lynn | 10 00 |
| 116892 | 9-18-15 | Fred Schmalstich | 6 00 |
| 116893 | 9-20-15 | O'Rourke Engineering & Const. Co. | 68 48 |
| 116894 | 9-24-15 | William Steinach | 50 00 |
| 116895 | 7-27-15 | Fidelity and Deposit Co. of Maryland | 11 25 |
| 116896 | 9-14-15 | Fidelity and Deposit Co. of Maryland | 7 70 |
| 116897 | 9-11-15 | R. E. Dockrell | 50 00 |
| 116913 | 41009 | J. John H. Eckhoff, Jr. | 418 20 |
| | | **Fire Department.** | |
| 116695 | 8-31-15 | Kanouse Mountain Spring Water Co. | $10 50 |
| 116696 | 9- 1-15 | Crown Stamp Works | 1 25 |
| 116697 | 7-19-15 | N. Y. Bottling Works | 3 00 |
| 116698 | 9- 4-15 | American Type Founders Co. | 4 40 |
| 116699 | 9- 4-15 | Annin & Co. | 3 00 |
| 116700 | 6-25-15 | Agent and Warden, Auburn | 23 70 |
| 116701 | 4-21-15 | Dept. of Correction | 771 66 |
| 116702 | 8-23-15 | H. W. Johns-Manville Co. | 8 00 |
| 116703 | 8-26-15 | The White Co. | 1 05 |
| 116704 | 9- 6-15 | Goodyear Tire and Rubber Co. | 13 00 |
| 116705 | 8-30-15 | Ford Motor Co. | 12 75 |
| 116706 | 8-28-15 | Chas. E. Miller | 7 00 |
| 116707 | 9- 1-15 | William E. Kemp | 5 00 |
| 116708 | 8-31-15 | B. F. Goodrich Co. | 26 04 |
| 116709 | 6-28-15 | Stanley & Patterson | 21 40 |
| 116710 | 8-31-15 | Montgomery & Co. | 16 60 |
| 116711 | 9- 4-15 | Wagner Specialty Co. | 12 60 |
| 116712 | 9- 2-15 | Vought & Williams | 163 99 |
| 116713 | 6-18-15 | Knickerbocker Supply Co. | 84 35 |
| 116714 | 8-11-15 | International Motor Co. | 67 20 |
| 116715 | 9- 2-15 | New Standard Adding Machine Co. | 15 00 |
| 116716 | 9- 3-15 | Bosch Magneto Co. | 1 55 |
| 116717 | 8-23-15 | Follett Time Recording Co. | 4 15 |
| 116717 | 8-11-15 | Amer. Multigraph Sales Co. | 6 70 |
| 116718 | 9-10-15 | Stewart Warner Speedometer Co. | 2 50 |
| | | **Department of Health.** | |
| 116824 | 42899 | Beyer Bros. Commission Co. | $457 56 |
| 116825 | 42961 | Burns Bros. | 123 70 |
| 116826 | 42212 | Sulzberger & Sons Co. | 246 88 |
| 116827 | 42876 | Knickerbocker Ice Co. | 84 69 |
| | | Knickerbocker Ice Co. | 283 04 |
| | | Knickerbocker Ice Co. | 93 91 |
| | | Knickerbocker Ice Co. | 258 11 |
| | | Knickerbocker Ice Co. | 302 52 |
| 116812 | 42990 | John McElroy, Jr. | 1 57 |
| | | John McElroy, Jr. | 14 85 |
| | | John McElroy, Jr. | 116 66 |
| 116813 | 43167 | Sulzberger & Sons Co. | 90 36 |
| | | Sulzberger & Sons Co. | 308 56 |
| | | Sulzberger & Sons Co. | 689 33 |
| | | Sulzberger & Sons Co. | 146 74 |
| 116814 | 43164 | Morris & Co. | 16 12 |
| | | Morris & Co. | 193 66 |
| | | Morris & Co. | 342 91 |
| | | Morris & Co. | 81 33 |
| 116815 | 42796 | Sulzberger & Sons Co. | 20 18 |
| 116816 | 42054 | J. D. Stout & Co. | 16 58 |
| 116817 | 42900 | Henneberger & Herold | 17 42 |
| | | Henneberger & Herold | 262 12 |
| 116818 | 42055 | Borden's Cond. Milk Co. | 110 46 |
| | | Borden's Cond. Milk Co. | 645 88 |
| | | Borden's Cond. Milk Co. | 2,103 85 |
| | | Borden's Cond. Milk Co. | 465 88 |
| 116819 | 43163 | Frank J. Murray Co. | 31 76 |
| | | Frank J. Murray Co. | 188 68 |
| | | Frank J. Murray Co. | 185 98 |
| | | Frank J. Murray Co. | 55 12 |
| 116820 | 43171 | Swift & Co. | 97 15 |
| | | Swift & Co. | 160 68 |
| 116821 | 43002 | Jos. Seeman | 349 27 |
| 116822 | 42214 | Lewis DeGroff & Son | 375 50 |
| 116823 | 43171 | Swift & Co. | 572 12 |
| | | Swift & Co. | 1,072 23 |
| | | **Commissioner of Jurors, Bronx County.** | |
| 116912 | 9-27-15 | John Hirten | $38 00 |
| | | **Commissioner of Jurors, New York County.** | |
| 116720 | 9-20-15 | R. L. Polk & Co., Inc. | $10 00 |
| | | **Department of Parks, Borough of Brooklyn.** | |
| 116610 | 9-13-15 | E. G. Soltmann | $9 00 |
| 116611 | 9-18-15 | Dept. Water Supply, Gas and Electricity | 12 00 |
| 116612 | 9-21-15 | G. E. Conterno | 100 00 |
| 116613 | 9-18-15 | United Singers of Brooklyn | 300 00 |
| 116614 | 9-19-15 | Louis Borjes | 185 00 |
| 116615 | 9- 1-15 | Henry Romeike, Inc. | 5 00 |
| 116616 | 8-13-15 | Jacob Lehman | 9 00 |
| 116617 | 12-12-14 | Geo. F. Melvin | 9 00 |
| 116618 | 2- 5-15 | Nathan Cohen | 18 00 |
| 116619 | 7- 1-15 | A. D. Contracting Co. | 9 00 |
| 116620 | 8-14-15 | Thomas Martin | 19 00 |
| 116621 | 7- 2-15 | Morris Lederman | 24 00 |
| 116622 | 4-21-15 | James De Fago | 49 00 |
| 116623 | 5- 1-15 | Benjamin Deinstein | 9 00 |
| 116587 | 9-10-15 | J. W. Gasteiger Son | 4 00 |
| 116588 | 9-18-15 | A. H. Hews Co. | 76 50 |
| 116589 | 8- 2-15 | Chas. Zeller & Son | 3 70 |
| 116590 | 9-14-15 | A. L. Miller | 98 00 |
| 116591 | 9-16-15 | Bloodgood Nurseries | 16 00 |
| 116592 | 5-24-15 | Carter's Tested Seeds, Inc. | 3 26 |
| 116593 | 9-14-15 | Russell Co. | 7 58 |
| 116594 | 9- 2-15 | Firestone Tire & Rubber Co., Inc. | 12 00 |
| 116595 | 9-13-15 | Oriental Rubber Sup. Co., Inc. | 19 25 |
| 116596 | 8-31-15 | Municipal Garage | 54 80 |

| Finance Voucher No. | Invoice Date or Contract Number. | Name of Payee. | Amount. |
|---|---|---|---|
| 116597 | 9-10-15 | The Fairbanks Co..... | 5 10 |
| 116598 | 9-10-15 | G. W. Keenan ..... | 139 35 |
| 116599 | 9-20-15 | Columbia Machine Works & Malleable Iron Co..... | 61 75 |
| 116600 | 9-14-15 | Cross, Austin & Ireland.... | 37 50 |
| 116601 | 9-14-15 | J. L. Mott Iron Wks..... | 1 70 |
| 116602 | 9- 8-15 | Fredk. J. Herr ..... | 26 23 |
| 116603 | 9-16-15 | Pittsburgh Plate Glass Co.. | 22 25 |
| 116604 | 8-23-15 | The Smyth & Donegan Co.. | 16 30 |
| 116605 | 9-11-15 | Detroit Cadillac Motor Car Co. ..... | 14 00 |
| 116606 | | Ford Motor Co. ..... | 17 03 |
| 116607 | 9-11-15 | John A. Scollay ..... | 10 50 |
| 116608 | 8-24-15 | Joshua Oldham & Sons.... | 1 80 |
| 116609 | 7-29-15 | F. V. Lindon ..... | 3 00 |
| | | **President of the Borough of Manhattan.** | |
| 116850 | 9-23-15 | Wm. F. Cunningham..... | $888 88 |
| 116851 | 9-23-15 | P. J. Duffy ..... | 2,980 95 |
| | | **President of the Borough of The Bronx.** | |
| 116898 | 8-24-15 | International Motor Co..... | $1 25 |
| 116899 | 9-11-15 | N. Y. C. Railroad Co..... | 35 00 |
| | | **President of the Borough of Brooklyn.** | |
| 116948 | 9-28-15 | Topeka Paving Co..... | $1,093 40 |
| | | **President of the Borough of Queens.** | |
| 116900 | 8-24-15 | Chas. C. Powell ..... | $32 83 |
| 116901 | | James J. Blake..... | 159 69 |
| 116902 | | Fred B. George, Chief Clerk, Bureau of Sewers ..... | 34 76 |
| 116903 | | Fred B. George, Ch. Clerk, Bureau of Sewers ..... | 50 76 |
| 116904 | | Henry A. Christe ..... | 35 10 |
| 116905 | | Chas. M. Nolan ..... | 3 00 |
| 116906 | 9-20-15 | John W. Moore, Supt..... | 167 85 |
| 116907 | | John J. Monaghan ..... | 4 50 |
| 116908 | 8-19-15 | L. C. Smith & Bros..... | 1 05 |
| 116909 | 7-22-15 | Elliott-Fisher Co. ..... | 1 70 |
| 116910 | | Fred L. Klee ..... | 7 80 |
| 116911 | 9-29-15 | William A. Prendergast, Comptroller of The City of N. Y., Trustee, Account Street Opening Fund..... | 488 44 |
| | | **Public Service Commission.** | |
| 116955 | 40516 | United States Realty & Improvement Co. ..... | $57,000 00 |
| 116956 | 38425 | United States Realty & Improvement Co. ..... | 1,250 00 |
| 116939 | 9-21-15 | Benj. Moore & Co..... | 182 25 |
| 116940 | 9- 1-15 | Patterson Brothers ..... | 9 09 |
| 116941 | 7- 8-15 | The J. W. Pratt Co..... | 1,017 01 |
| 116942 | 8-31-15 | The Safety Ford Starter Corp. ..... | 15 00 |
| 116943 | 9-20-15 | Tower Bros. Staty. Co..... | 159 65 |
| 116944 | 6-28-15 | B. A. & G. N. Williams, Inc. | 8 38 |
| 116945 | 7-31-15 | The Daily Long Island Farmer ..... | 21 60 |
| 116946 | 7-24-15 | Sun Printing & Pub. Co.... | 41 60 |
| 116947 | 8- 2-15 | The Evening Bronx..... | 27 20 |
| 116914 | 9-15-15 | Josephine Collins ..... | 50 00 |
| 116915 | 9-30-15 | Harry Goodstein Realty Co. | 30 00 |
| 116916 | 8-31-15 | Lawyers' Title & Trust Co. | 8 50 |
| 116917 | 6- 8-15 | Postal Telegraph Cable Co.. | 2 55 |
| 116918 | 9-15-15 | Riker & Hegeman Co..... | 112 34 |
| 116919 | 9- 1-15 | The Schaefer Co. ..... | 57 50 |
| 116920 | 9- 1-15 | Estate of D. E. Seybel..... | 166 66 |
| 116921 | 9- 1-15 | South Bklyn. Savings & Loan Assn. ..... | 50 00 |
| 116922 | 9- 2-15 | Tribune Assn. ..... | 8,954 73 |
| 116923 | | Louis D. Fouquet, Div. Engr. | 84 25 |
| 116924 | | Herman A. D. Hollmann, Auditor ..... | 90 20 |
| 116925 | | George S. Rice ..... | 261 66 |
| 116926 | 9-14-15 | Abraham & Straus ..... | 29 50 |
| 116927 | 9- 7-15 | Baker, Voorhis & Co..... | 14 00 |
| 116928 | 9-13-15 | Cobb, Macey, Dohme, Inc.. | 83 04 |
| 116929 | 9- 1-15 | Defiance Mfg. Co..... | 35 16 |
| 116930 | 9-18-15 | Eugene Dietzgen Co..... | 301 82 |
| 116931 | 7-31-15 | Great Bear Spring Co..... | 10 80 |
| 116932 | 9- 3-15 | Howard & Morse ..... | 1 62 |
| 116933 | 9-15-15 | J. H. Kersting ..... | 24 00 |
| 116934 | 9-15-15 | Ferdinand Kuster ..... | 6 00 |
| 116935 | 8-16-15 | W. G. MacKenna ..... | 14 00 |
| 116936 | 8-23-15 | Manhattan Electrical Sup. Co. ..... | 17 45 |
| 116937 | 8-17-15 | Paul M. Marko Co..... | 20 49 |
| 116938 | 9-10-15 | The Miller Rubber Co..... | 66 97 |
| | | **Department of Public Charities.** | |
| 116802 | 42954 | J. W. Gasteiger ..... | $563 74 |
| 116803 | 42955 | Thos. M. Blake ..... | 1,213 35 |
| 116804 | 42992 | S. Tuttle Son & Co..... | 63 30 |
| 116805 | 42995 | Geo. D. Harris & Co., Inc.. | 1,677 57 |
| 116806 | 43256 | The Manhattan Sup. Co.... | 110 00 |
| 116807 | 43257 | Knickerbocker Sup. Co.... | 12 75 |
| 116808 | 43252 | J. M. Gottesman ..... | 61 11 |
| 116809 | 42007 | Benedetto, Clark & Nugent, Inc. ..... | 1,561 75 |
| 116781 | 42834 | Blaisdell, Canady Co..... | 1,117 80 |
| 116782 | 41043 | Spuyten Duyvil Constn. Co. | 5,886 63 |
| 116783 | 38038 | Albert Winternitz ..... | 1,376 00 |
| | | Albert Winternitz ..... | 1,872 50 |
| 116784 | 43168 | Armour & Co..... | 5,064 58 |
| 116785 | 42997 | Burton & Davis Co..... | 9 30 |
| 116786 | 43005 | John Bellmann ..... | 265 13 |
| 116787 | 42055 | Borden's Cond. Milk Co.... | 1,364 28 |
| 116788 | 42055 | Borden's Cond. Milk Co.... | 3,503 31 |
| 116789 | 42786 | Conron Bros. Co..... | 3,873 96 |
| 116790 | 43166 | Conron Bros. Co..... | 497 00 |
| 116791 | 43166 | Conron Bros. Co..... | 709 56 |
| 116792 | 42998 | Lewis De Groff & Son..... | 1,785 93 |
| 116793 | 43004 | A. Goldstein & Co..... | 557 40 |
| 116794 | 42999 | Charles F. Mattlage & Sons. | 334 48 |
| 116795 | 42900 | Henneberger & Herold .... | 4,104 79 |
| 116796 | 42051 | Howell Cond. Milk & Cream Co. ..... | 233 59 |
| 116797 | 43000 | F. H. Leggett & Co..... | 409 32 |
| 116798 | 43164 | Morris & Co..... | 1,029 55 |
| 116799 | 43163 | F. J. Murray Co., Inc..... | 252 05 |
| 116300 | 1992 | Swift & Co..... | 1,942 37 |
| 116301 | 43002 | Jos. Seeman ..... | 4,700 56 |
| | | **Register, Kings County.** | |
| 116665 | 8-31-15 | N. Y. Telephone Co..... | $20 87 |
| | | **Sheriff, Kings County.** | |
| 116762 | 9-10-15 | Globe, Wernicke Co. ..... | $24 00 |
| 116763 | 8-31-15 | Great Bear Spring Co..... | 11 10 |
| 116764 | 8-31-15 | J. D. Books ..... | 13 22 |
| 116765 | 8-31-15 | Michael Braun ..... | 15 55 |
| 116766 | 8-31-15 | Empire State Dairy Co.... | 8 37 |
| 116767 | 8-31-15 | John F. Farrell ..... | 9 00 |
| 116768 | 8-31-15 | C. Futler & Sons..... | 37 40 |
| 116769 | 8-31-15 | Metropolitan Supply Co.... | 53 03 |
| 116770 | 8-28-15 | Louis M. Moniz ..... | 14 65 |
| 116771 | 8-17-15 | Otto Muhlbauer & Co..... | 11 95 |
| | | **Department of Street Cleaning.** | |
| 116858 | | The Relief and Pension Fund of the Dept. of Street Cleaning, J. T. Fetherston, Commr., as Treasurer and Trustee ..... | $325 93 |
| 116859 | | The Relief and Pension Fund of the Dept. of Street Cleaning, J. T. Fetherston, Commr., as Treasurer and Trustee ..... | 474 53 |
| | | **United States Volunteer Life Saving Corps.** | |
| 116741 | | Joseph Merz ..... | $5 65 |
| 116742 | | Fred C. Mills ..... | 4 82 |
| 116860 | 8- 1-15 | Empire Towel Supply Co.. | 4 00 |
| 116861 | 8-19-15 | Chas. F. Hubbs & Co..... | 12 06 |
| 116862 | 8-27-15 | The Yachtman's Guide..... | 2 00 |
| 116863 | 9- 1-15 | N. Y., N. H. & H. R. R. Co. | 15 40 |
| 116864 | 9- 1-15 | De Grauw, Aymar & Co.... | 13 69 |
| 116865 | 9- 1-15 | Patterson Brothers ..... | 11 67 |
| 116866 | 9- 1-15 | Euclid Printing & Binding Co. ..... | 5 25 |
| 116867 | 9- 1-15 | Estate of James Leach.... | 3 28 |
| 116868 | 9- 2-15 | B. F. Goodrich Co..... | 22 44 |
| | | **Board of Water Supply.** | |
| 116883 | 9-16-15 | The J. W. Pratt Co..... | $85 42 |
| 116884 | 8-31-15 | Lithoprint Co., Inc..... | 60 10 |
| 116885 | 9- 4-15 | Barrett Mfg. Co..... | 6 60 |
| 116886 | 9-16-15 | E. R. Nickerson ..... | 35 72 |
| 116887 | 9-17-15 | Phoenix Specialty Mfg. Co. | 6 13 |
| 116888 | 8-31-15 | Rutherford Rubber Co.... | 52 29 |
| 116889 | 9-14-15 | F. W. Devoe & C. T. Raynolds Co. ..... | 156 40 |
| 116890 | 8- 7-15 | Henry Riley ..... | 68 30 |
| | | **Department of Water Supply, Gas and Electricity.** | |
| 116828 | 7-15-15 | Ford Motor Co. ..... | $51 23 |
| 116829 | 1-26-15 | William C. Duggan ..... | 11 85 |
| 116830 | 5- 1-15 | Jos. A. Brogan & Son..... | 18 82 |
| 116831 | 7- 1-15 | Rockville Centre Garage.... | 9 10 |
| 116832 | 7- 1-15 | Rockville Centre Garage.... | 10 25 |
| 116833 | 7-13-15 | Autocar Sales Co..... | 18 95 |
| 116834 | 8-11-15 | Knickerbocker Supply Co.. | 140 85 |
| 116835 | 8-11-15 | John J. Leahy ..... | 8 52 |

# LAW DEPARTMENT

The following schedules form a brief extract of the transactions of the office of the Corporation Counsel for the week ending August 21, 1915, as required by section 1546 of the Greater New York Charter.

Note—The City of New York, or the Mayor, Aldermen and Commonalty of The City of New York, is defendant unless otherwise mentioned.

## SCHEDULE "A."

### Suits and Special Proceedings Instituted.

| Court. | Register and Folio. | When Commenced. | Title. | Nature of Action. |
|---|---|---|---|---|
| Supreme...108 | 1 | Aug. 16, 1915 | Monahan, Mary ..... | Personal injuries, fall, condition of sidewalk, 502 W. 53rd St., $10,000. |
| Supreme...108 | 2 | Aug. 16, 1915 | Candiotte, Haim J. (ex rel.), vs. George H. Bell, etc. ..... | Mandamus to compel revocation of order suspending license. |
| Supreme...108 | 3 | Aug. 16, 1915 | East River Savings Institution, The, vs. Alice E. Willis, ind. and adm'x, etc., et al. | To foreclose mortgage. |
| Co., K. Co..108 | 3 | Aug. 16, 1915 | Kings County Savings Institution vs. Frederick Clarke et al.... | To foreclose mortgage. |
| Supreme...108 | 4 | Aug. 16, 1915 | Standard Motor Express Co. ..... | For damage to motor truck, caving in of street, 421 W. 51st St., $4,250. |
| Supreme...108 | 5 | Aug. 16, 1915 | Cummings, J. Lizzette, vs. Frank Terrelli et al ..... | To foreclose mortgage. |
| Land Office.108 | 6 | Aug. 16, 1915 | Atlantic Terra Cotta Co. (Matter of) ..... | For a grant of land under waters of Staten Island Sound. |
| Sup., Q. Co.108 | 7 | Aug. 17, 1915 | Scheer, William, vs. City of N. Y. et al.. | To restrain maintenance of dump, Sound End and east side of Barbadoes Creek. |
| Sup., K. Co.108 | 8 | Aug. 17, 1915 | Johann, Isabella J., vs. Simon Duryea et al. | Action in partition to divide premises, Stewart Av. and Denyses Lane, Bk. |
| Supreme...108 | 9 | Aug. 17, 1915 | Kipp, Abraham, vs. Secured Holdings Corporation et al..... | To foreclose mortgage. |
| Supreme...108 | 9 | Aug. 17, 1915 | Dean, Charles F., ext'r, vs. Robert E. Farley et al. ..... | To foreclose mortgage. |
| Sup., K. Co.108 | 10 | Aug. 17, 1915 | Ryan, Patrick F. (ex rel.), vs. Arthur Woods, etc..... | Certiorari to review fine of ten days' salary. |
| Sup., K. Co.108 | 11 | Aug. 18, 1915 | New York Mortgage & Security Co. vs. Brooklyn Realty Sellers et al. (No. 1).... | To foreclose mortgage. |
| Sup., K. Co.108 | 11 | Aug. 18, 1915 | New York Mortgage & Security Co. vs. Brooklyn Realty Sellers et al. (No. 2).... | To foreclose mortgage. |
| Sup., K. Co.108 | 12 | Aug. 18, 1915 | New York Mortgage & Security Co. vs. Brooklyn Realty Sellers et al (No. 3).... | To foreclose mortgage. |
| Sup., K. Co.108 | 12 | Aug. 18, 1915 | New York Mortgage & Security Co. vs. Brooklyn Realty Sellers et al. (No. 4).... | To foreclose mortgage. |
| Supreme...108 | 13 | Aug. 18, 1915 | Prime, Frederick, Jr., and ano. vs. Evarts Holding Co. et al.... | To foreclose mortgage. |
| Co., K. Co..108 | 13 | Aug. 18, 1915 | Fisher, Agnes R., vs. Alfred Lack et al.... | To foreclose mortgage. |
| Sup., R. Co.108 | 14 | Aug. 18, 1915 | City of New York (Matter of) ..... | To acquire title to lands, etc., Egbert Av., Saw Mill Rd. and Manor Rd., Richmond, for hospital purposes. |
| Supreme...108 | 16 | Aug. 19, 1915 | Parsons, Henry, vs. Terbor Improvement Corporation et al.... | To foreclose mortgage. |
| Sup., K. Co.108 | 16 | Aug. 19, 1915 | Eagle Savings & Loan Co. vs. Walter T. Crowe et al..... | To foreclose mortgage. |
| Supreme...108 | 17 | Aug. 20, 1915 | Edelstein, Samuel Q., and ano. vs. George H. Bell, etc..... | To restrain revocation of license for motion picture, etc. |
| Sup., K. Co.108 | 18 | Aug. 20, 1915 | Ajas, Paul A. (ex rel.), vs. Bd. of Education et al. ..... | Mandamus to compel auditing of payroll at rate of $15,540 per annum. |
| Sup., K. Co.108 | 19 | Aug. 20, 1915 | Perlmutter, Louis, vs. Katharine Van Volkenberg et al..... | To foreclose tax lien. |
| Co., K. Co..108 | 19 | Aug. 20, 1915 | Kalter, Max, vs. Albert A. Isaacs et al..... | To foreclose mortgage. |
| Municipal..108 | 20 | Aug. 21, 1915 | Pytel, Frank, vs. Theodore A. Sunderman.. | To recover chattels valued at $41. |
| Sup., K. Co.108 | 21 | Aug. 21, 1915 | Scheib, Herman W. (ex rel.), vs. Arthur Woods ..... | Certiorari to review dismissal from Police Dept. |
| Supreme...108 | 22 | Aug. 21, 1915 | Green-Wood Cemetery, The, vs. Israel Lippmann et al..... | To foreclose mortgage. |
| Sup., K. Co.108 | 22 | Aug. 21, 1915 | Seitz, Max, vs. James H. Serene et al..... | To foreclose tax lien. |
| Sup., K. Co.108 | 23 | Aug. 21, 1915 | Seitz, Max, vs. James H. Serene et al..... | To foreclose tax lien. |
| Sup., K. Co.108 | 23 | Aug. 21, 1915 | Seitz, Max, vs. McLaughlin Real Estate Co. et al..... | To foreclose tax lien. |
| Sup., K. Co.108 | 23 | Aug. 21, 1915 | Seitz, Max, vs. Carmelo Pumo et al..... ... | To foreclose tax lien. |

## SCHEDULE "B."

### Judgments, Orders and Decrees Entered.

Peo. ex rel. Harlem River & Portchester Railroad Co. vs. S. B. T. C. (1909)—Entered order on remittitur from Court of Appeals affirming order dismissing proceeding and for $97.64 costs in favor of intervenor The City of N. Y.

Peo. ex rel. Harlem River & Portchester Railroad Co. vs. S. B. T. C. (1910 and 1911)—Entered order on remittitur from Court of Appeals affirming order dismissing proceedings and for $97.61 costs in favor of intervenor The City of N. Y.

City of N. Y. vs. John A. Anger; Same vs. Swastika Tours Co.—Orders entered discontinuing actions without costs.

City of N. Y. vs. Michael A. Rofrano et al.—Entered judgment of foreclosure and sale.

Elmer P. Morris Co. of Pennsylvania—Entered order granting motion to compel plaintiff to file undertaking for security for costs.

Lloyd Warren—Entered order discontinuing action without costs.

**Judgments Were Entered in Favor of the Plaintiffs in the Following Actions.**

| Date. | Name. | Register and Folio. | Amount. |
|---|---|---|---|
| 1915. | | | |
| Aug. 12 | Eisenberg, Tillie, infant.....95 | 303 | $ 97.60 |
| " 20 | Larkin, Oscar E.....98 | 413 | 397.90 |

## SCHEDULE "C."

### Record of Court Work.

In re Joseph J. Asch—Motion for order directing Register to discharge mortgage, submitted to Guy, J. Decision reserved; G. H. Cowie for the City.

Elmer P. Morris Co. of Pennsylvania—Motion for order compelling plaintiff to file undertaking for security for costs, submitted to Guy, J. and granted; L. H. Newkirk for the City.

Peo. ex rel. Holbrook, Cabot & Rollins Co. vs. J. P. Mitchel et al.—Motion for peremptory writ of mandamus, argued before Guy, J. Decision reserved; J. Lehman for the City. "Motion granted."

Peo. ex rel. Haim J. Caindotte vs. G. H. Bell—Motion for peremptory writ of mandamus, submitted to Guy, J. Decision reserved; T. A. Hardy for the City. "Motion denied."

**Hearings Before Commissioners of Estimate in Condemnation Proceedings.**

Rapid Transit (Mott Av. and Exterior St.), 4 hearings; H. W. Mayo for the City.

**SCHEDULE "D."**

**Contracts, Etc., Drafted, Examined and Approved as to Form.**

| Department. | Contracts Approved as to Form. | Contracts Examined and Returned for Revision. | Advertisements Approved as to Form. |
|---|---|---|---|
| Borough Presidents | 23 | 1 | 5 |
| Central Purchasing Committee | 5 | .. | .. |
| Board of Education | 3 | .. | 1 |
| Fire Department | 2 | .. | 2 |
| Bellevue and Allied Hospitals | 1 | 1 | 1 |
| Dock Department | 1 | 1 | .. |
| Department of Correction | 1 | .. | 1 |
| Board of Estimate and Apportionment | 1 | .. | .. |
| Park Department | .. | 1 | .. |
| Board of Elections | .. | 1 | .. |
| Total | 37 | 5 | 10 |

| | | | |
|---|---|---|---|
| **Deeds Approved.** | | **Leases Approved.** | |
| Finance Department | 1 | Finance Department | 1 |
| **Bonds Approved.** | | **Agreements Approved.** | |
| Borough Presidents | 5 | Board of Estimate and Apportionment | 1 |
| Finance Department | 1 | Park Department | 1 |
| Total | 6 | Total | 2 |

**SCHEDULE "E."**

**Opinions Rendered to the Various Departments.**

| Department. | Number of Opinions Rendered. | Department. | Number of Opinions Rendered. |
|---|---|---|---|
| Finance Department | 59 | City Clerk | 1 |
| Borough Presidents | 28 | Dock Department | 1 |
| Fire Department | 2 | Department of Water Supply, Gas and Electricity | 1 |
| Board of Estimate and Apportionment | 1 | Street Cleaning Department | 1 |
| Board of Water Supply | 1 | Total | 97 |
| Register, Bronx County | 1 | | |
| Commissioner of Licenses | 1 | | |

LOUIS H. HAHLO, Acting Corporation Counsel.

The following schedules form a brief extract of the transactions of the office of the Corporation Counsel for the week ending August 28, 1915, as required by Section 1546 of the Greater New York Charter.

Note—The City of New York or the Mayor, Aldermen and Commonalty of The City of New York is defendant, unless otherwise mentioned.

**SCHEDULE "A."**

**Suits and Special Proceedings Instituted.**

| Court. | Register and Folio. | When Commenced. | Title. | Nature of Action. |
|---|---|---|---|---|
| Municipal..108 | 24 | Aug. 23, 1915 | City of N. Y. vs. Columbus Wet Wash & Laundry Co. | For damage to Fire Dept. wagon, collision with defendant's wagon, 52nd St. and 9th Av., $22.51. |
| Supreme...108 | 25 | Aug. 23, 1915 | Nassau Beekman Investing Co. vs. Robert J. Park et al. | To foreclose tax lien. |
| Sup., K. Co.108 | 26 | Aug. 23, 1915 | City of N. Y. vs. Herbert C. Smith et al. (No. 1) | To foreclose tax lien. |
| Sup., K. Co.108 | 27 | Aug. 23, 1915 | City of N. Y. vs. Herbert C. Smith et al. (No. 2) | To foreclose tax lien. |
| Municipal..108 | 28 | Aug. 24, 1915 | Naspo, August, vs. Joseph Jaso et al. | To recover chattels valued at $100. |
| Sup., K. Co.108 | 29 | Aug. 24, 1915 | Brady, Mary, vs. City of N. Y. and ano. | Personal injuries, fall, alighting from car, Flatbush and 7th Av., Bk., condition of pavement, $10,000. |
| Supreme...108 | 30 | Aug. 24, 1915 | Stewart, Bessie M. | Summons only served. |
| Supreme...108 | 31 | Aug. 24, 1915 | Muller, George A., and ano. vs. Margaret E. Hughes et al. | To foreclose mortgage. |
| Sup., K. Co.108 | 31 | Aug. 24, 1915 | American Tax Lien Co. vs. Sarah James Tredwell et al. | To foreclose tax lien. |
| Sup.,B'xCo.108 | 32 | Aug. 24, 1915 | Nolan, Mary A., et al., trustees, etc. (Matter of) | For payment of award in re regulating, etc., Cottage Pl., 170th St. to Crotona Park, Bx. |
| Supreme...108 | 33 | Aug. 24, 1915 | Leggett & Co., Francis H., vs. Degnon Contracting Co. | To restrain interference with premises, West Broadway and Franklin St. |
| Co., B'x Co.108 | 34 | Aug. 25, 1915 | Brecher, Max, by guardian, etc., vs. Joseph S. Rinschler | For assault, $2,000. |
| Supreme...108 | 35 | Aug. 25, 1915 | Morgan, W. Forbes, Jr., trustee, etc., vs. Justa Realty Co. et al. | To foreclose mortgage. |
| Co., K. Co..108 | 35 | Aug. 25, 1915 | Storz, Katharine, guardian, etc., vs. The Dean-Howard Realty Co. et al. | To foreclose mortgage. |
| Supreme...108 | 36 | Aug. 25, 1915 | Finkelstein, David, adm'r. | For death of intestate, struck by brick falling from Ludlow St. Jail, $20,000. |
| Sup., K. Co.108 | 37 | Aug. 25, 1915 | Smilowitz, Sarah | Personal injuries, struck by Street Cleaning cart, S. 4th St., Bk., $5,000. |
| Sup., K. Co.108 | 38 | Aug. 27, 1915 | Vogel, Charles H., vs. Harry Cook et al. | To foreclose tax lien. |
| Sup., K. Co.108 | 39 | Aug. 27, 1915 | Weintraub, Jacob, vs. John Scanlon et al. | To foreclose tax lien. |
| Sup., K. Co.108 | 39 | Aug. 27, 1915 | Uhr, Stella, vs. Samuel Weiss et al. | To foreclose tax lien. |
| Sup., K. Co.108 | 39 | Aug. 27, 1915 | Uhr, Stella, vs. Christopher E. Hill et al. | To foreclose tax lien. |
| Sup., K. Co.108 | 40 | Aug. 27, 1915 | Simon, Jacob, vs. Marie Miller et al. | To foreclose tax lien. |
| Sup., K. Co.108 | 40 | Aug. 27, 1915 | Silberstein, Benjamin, vs. August Hagedorn et al. | To foreclose tax lien. |
| Sup., K. Co.108 | 40 | Aug. 27, 1915 | Silberstein, Benjamin, vs. Belinda L. Carr et al. | To foreclose tax lien. |
| Supreme...108 | 41 | Aug. 27, 1915 | Silverman, Harry, vs. City of N. Y. et al. | To foreclose lien. |
| Supreme...108 | 42 | Aug. 27, 1915 | Equitable Life Assurance Society of the United States vs. Frank S. Gingliano et al. | To foreclose mortgage. |
| Sup., Q. Co.108 | 42 | Aug. 27, 1915 | Nassau Beekman Investing Co. vs. J. Maynard Kissam et al. | To foreclose tax lien. |
| Sup., Q. Co.108 | 43 | Aug. 27, 1915 | Finkelstein, Samuel | Personal injuries, thrown from wagon, horse frightened at steam roller, South and Bretton Sts., Jamaica, $10,000. |
| Sup., K. Co.108 | 44 | Aug. 27, 1915 | Fischette, Frank, vs. City of N. Y. and ano. | Personal injuries, fall, condition of plank sidewalk, 8th Av. and 6th to 7th Aves., $2,000. |
| Supreme...108 | 45 | Aug. 27, 1915 | Stern, Lina, vs. Katz Goldstein et al. | To foreclose mortgage. |
| Sup., K. Co.108 | 45 | Aug. 27, 1915 | Senior, Alice, vs. Matthew Nooney et al. | To foreclose mortgage. |
| Supreme...108 | 46 | Aug. 27, 1915 | Mahony, John J., vs. Mae Lyons et al. | To foreclose mortgage. |
| Sup., K. Co.108 | 47 | Aug. 27, 1915 | Bayerlein, Emily, infant, by guardian, etc. | Personal injuries, fall, condition of sidewalk, 660 45th St., $25,000. |
| Sup., K. Co.108 | 48 | Aug. 27, 1915 | Bayerlein, Julius | For loss of services of daughter, injured, fall, 660 45th St., Bk., $10,000. |
| Sup., K. Co.108 | 49 | Aug. 28, 1915 | Arnoldi, Frederick D., et al., vs. John Purroy Mitchel et al. | To restrain enforcement of provisions of Sec. 108, Public Hack Ordinance. |
| Sup., K. Co.108 | 50 | Aug. 28, 1915 | Street, Charles G., and ano., ext'rs, vs. Milton S. Kistler et al. | To foreclose mortgage. |
| Sup., K. Co.108 | 50 | Aug. 28, 1915 | Hausman, Abraham, vs. Sarah H. Ripple, ind. and ext'x, et al. | To foreclose tax lien. |
| Supreme...108 | 51 | Aug. 28, 1915 | Ogilvie, Helen Slade, vs. George W. Young et al. | To foreclose mortgage. |

**SCHEDULE "B."**

**Judgments, Orders and Decrees Entered.**

People ex rel. John A. Daly vs. J. A. Kingsbury—Entered order denying motion for peremptory or alternative writ of mandamus.

City of N. Y. vs. Mary A. C. Wheeler—Entered order denying motion for reargument of motion to vacate judgment.

People ex rel. Standard Computing Scale Co. vs. J. Hartigan—Order entered denying motion for peremptory or alternative writ of mandamus.

Willard P. Lusk—Entered order denying motion to change venue from N. Y. County to Putnam County.

People ex rel. Thomas F. O'Connor vs. D. I. McKay; People ex rel. Same vs. A. Woods—Entered orders discontinuing proceedings without costs.

Manhattan Approach to Bridge No. 3 (In re Charles S. Simpson et al.)—Entered order denying motion to compel County Clerk to enter judgment on Appellate Division order of affirmance.

People ex rel. Martin J. Moore vs. K. B. Davis—Entered order denying motion for peremptory writ of mandamus.

People vs. "John Doe"—Entered order denying motion for order permitting Martin J. Moore to inspect minutes of Grand Jury.

**Judgments Were Entered in Favor of the Plaintiffs in the Following Actions.**

| Date. | Name. | Register and Folio. | | Amount. |
|---|---|---|---|---|
| 1915. | | | | |
| June 30 | Curtin Manufacturing Co., William H. | 107 | 121 | $89 40 |
| June 30 | Curtin Manufacturing Co., William H. | 107 | 122 | 14 40 |

**SCHEDULE "C."**

**Record of Court Work.**

Manhattan Approach to Bridge No. 3 (In re Charles S. Simpson et al.)—Motion for order directing County Clerk to enter judgment, argued before Whitaker, J. Decision reserved; H. W. Mayo for the City. "Motion denied."

John D. Dailey and Another (No. 2)—Motion for stay of proceedings pending appeal, argued before Whitaker, J. Decision reserved; L. H. Hahlo for the City. "Motion granted."

Seaview Hospital Site—Motion for appointment of Commissioners of Appraisal submitted to Callaghan, J., and granted; H. W. Mayo for the City.

People ex rel. Daniel D. Sheehan vs. R. J. Moorehead—Motion to quash writ of certiorari, argued before Guy, J. Decision reserved; L. N. Futter for the City.

Lena Tepper vs. Michael Tepper—Motion for order directing Chamberlain to pay $500 to Louis Spiegel, Esq., submitted to Whitaker, J. Decision reserved; G. H. Cowie for the City.

**Hearings Before Commissioners of Estimate in Condemnation Proceedings.**

Rapid Transit (Mott Ave. and Exterior St.), 3 hearings; H. W. Mayo for the City.

**SCHEDULE "D."**

**Contracts, Etc., Drafted, Examined and Approved as to Form.**

| Department. | Contracts Approved as to Form. | Contracts Examined and Returned for Revision. | Advertisements Approved as to Form. |
|---|---|---|---|
| Central Purchasing Committee | 19 | .. | .. |
| Board of Education | 13 | .. | 2 |
| Borough Presidents | 9 | .. | 1 |
| Department of Water Supply, Gas and Electricity | 4 | .. | 2 |
| Dock Department | 3 | 1 | 2 |
| Public Service Commission | 3 | .. | .. |
| Finance Department | 2 | .. | .. |
| Park Department | 1 | 1 | 1 |
| Department of Correction | 1 | .. | 1 |
| City Clerk | 1 | .. | .. |
| Bellevue and Allied Hospitals | .. | 1 | .. |
| Total | 56 | 3 | 9 |

| | | | |
|---|---|---|---|
| **Bonds Approved.** | | **Leases Approved.** | |
| Borough Presidents | 8 | Finance Department | 1 |
| Finance Department | 5 | Board of Education | 1 |
| Total | 13 | Total | 2 |
| | | **Releases Approved.** | |
| | | Finance Department | 1 |

**SCHEDULE "E."**

**Opinions Rendered to the Various Departments.**

| Department. | Number of Opinions Rendered. | Department. | Number of Opinions Rendered. |
|---|---|---|---|
| Finance Department | 36 | Department of Water Supply, Gas and Electricity | 1 |
| Borough Presidents | 4 | Board of Elections | 1 |
| Fire Department | 2 | Dock Department | 1 |
| City Marshal | 1 | Total | 48 |
| Board of Education | 1 | | |
| Board of City Record | 1 | | |

LOUIS H. HAHLO, Acting Corporation Counsel.

The following schedules form a brief extract of the transactions of the office of the Corporation Counsel for the week ending September 4, 1915, as required by section 1546 of the Greater New York Charter.

Note—The City of New York, or the Mayor, Aldermen and Commonalty of The City of New York, is defendant unless otherwise mentioned.

**SCHEDULE "A."**

**Suits and Special Proceedings Instituted.**

| Court. | Register and Folio. | When Commenced. | Title. | Nature of Action. |
|---|---|---|---|---|
| Co., K. Co..108 | 52 | Aug. 30, 1915 | New York Investors' Corporation vs. Sarah Reosenthal et al. | To foreclose mortgage. |
| Co., K. Co..108 | 52 | Aug. 30, 1915 | German Society of City of N. Y., The, vs. John O'Grady et al. | To foreclose mortgage. |
| Sup., K. Co.108 | 53 | Aug. 30, 1915 | Robrecht, Barbara, adm'x. | For death of intestate, thrown from automobile, striking abutment, Howard Av., Bk., $10,000. |
| Supreme...108 | 54 | Aug. 30, 1915 | Fitzgerald Construction Co. vs. City of N. Y. et al. (No. 1) | To foreclose lien. |

| Court. | Register and Folio. | When Commenced. | Title. | Nature of Action. |
|---|---|---|---|---|
| Supreme.. | 108 55 | Aug. 30, 1915 | Fitzgerald Construction Co. vs. City of N. Y. et al. (No. 2)..... | To foreclose lien. |
| U. S. Dist. | 108 56 | Aug. 31, 1915 | Cullen, James H., Jr... | Citation only served. |
| Supreme.. | 108 57 | Aug. 31, 1915 | Sokolski, Samuel, vs. John H. Barry and ano. ..... | Personal injuries, struck by automobile, Rockaway Boulevard, etc., Queens, $10,000. |
| Sup., K. Co | 108 58 | Aug. 31, 1915 | Lawyers Mortgage Co. vs. Wilbur C. Smith et al. ..... | To foreclose mortgage. |
| Supreme... | 108 58 | Aug. 31, 1915 | Mente, Eugene W., vs. Annette Benjamin et al. ..... | To foreclose mortgage. |
| Supreme... | 108 59 | Aug. 31, 1915 | Marrone, Joseph ..... | For breach of contract for trimming scows, etc., dumps, Manhattan and Bronx, $3,532.92. |
| Supreme... | 108 60 | Aug. 31, 1915 | Lahl, Janan Cecil..... | Personal injuries, fall, condition of sidewalk, Crotona Parkway and 175th St., $7,500. |
| Sup., K. Co. | 108 61 | Aug. 31, 1915 | Bantle, Louisa, vs. James Fogarty et al. | To foreclose mortgage. |
| Sup., K. Co. | 108 61 | Aug. 31, 1915 | London, Daniel, vs. Emma G. Henderson et al. ..... | To foreclose tax lien. |
| Co., K. Co.. | 108 62 | Aug. 31, 1915 | Gahren, Emma, vs. Maria L. Graziano et al. ..... | To foreclose mortgage. |
| Supreme... | 108 63 | Sept. 1, 1915 | Eppig Brewing Co., Leonard (ex rel.), vs. Alfred P. W. Seaman et al. ..... | Mandamus to compel defendants to reconsider claim filed for damages in re regulating, etc., Putnam Av., Queens. |
| Sup.,B'xCo. | 108 64 | Sept. 1, 1915 | White, Laura Tweedy, vs. Mary Magerle et al. ..... | To foreclose mortgage. |
| Co., K. Co.. | 108 64 | Sept. 1, 1915 | Kings County Mortgage Co. vs. William A. A. Brown et al..... | To foreclose mortgage. |
| Mun.,B'k'n. | 108 65 | Sept. 1, 1915 | Watshstain, Herman .. | Personal injuries, thrown from wagon, horse frightened by steam roller, South and Bretton Sts., Jamaica, $1,000. |
| Sup., Q. Co. | 108 66 | Sept. 1, 1915 | Germania Savings Bank, Kings Co., vs. William Sturz et al..... | To foreclose mortgage. |
| Sup., K. Co. | 108 67 | Sept. 1, 1915 | Zimmerman, August, adm'r, vs. City of N. Y. and ano..... | For death of intestate, crushed by auto truck while passenger on ferryboat "Nassau," collision with slip, $20,000. |
| Sup., K. Co. | 108 68 | Sept. 1, 1915 | Ball, Nellie L., vs. City of N. Y. and ano.... | Personal injuries, fall, obstruction on sidewalk, 84th St. and 18th Av., Bk., $5,000. |
| Surrogates.. | 108 69 | Sept. 1, 1915 | Dax, Joanna, adm'x (Matter of) ..... | Judicial settlement of accounts. |
| Sup., Q. Co. | 108 70 | Sept. 1, 1915 | Seinfel, Helen, vs. Frederick Chapman et al. ..... | To foreclose tax lien. |
| Sup., Q. Co. | 108 70 | Sept. 1, 1915 | Seinfel, Henry, vs. Herman Jonas et al..... | To foreclose tax lien. |
| Mun.,B'k'n. | 108 71 | Sept. 2, 1915 | Naparano, John, and ano. vs John J. Haslam ..... | To recover chattel valued at $500. |
| Sup., K. Co. | 108 72 | Sept. 2, 1915 | Maddock, John T. (ex rel.), vs. Arthur Woods ..... | Certiorari to review dismissal from Police Dept. |
| Sup., K. Co. | 108 73 | Sept. 2, 1915 | Dolan, John A. (ex rel.), vs. Arthur Woods ..... | Certiorari to review dismissal from Police Dept. |
| Sup., K. Co. | 108 74 | Sept. 2, 1915 | Bossard, Artemus W. ex rel.), vs. Arthur Woods ..... | Certiorari to review dismissal from Police Dept. |
| Municipal.. | 108 75 | Sept. 2, 1915 | Appelbaum, Rachel .... | Personal injuries, fall, condition of sidewalk, 1392 E. New York Ave., $1,000. |
| Mun.,B'k'n. | 108 76 | Sept. 2, 1915 | Gorsky, Jennie ..... | Personal injuries, fall, condition of floor, Public Bath, Montrose Av. and Union St., $500. |
| Sup.,W. Co. | 108 77 | Sept. 2, 1915 | City of New York vs. The City of Yonkers. | To strike from records of City of Yonkers assessment of $9,098.42 for regulating, etc., portion of pipe line in City of N. Y. |
| Supreme... | 108 78 | Sept. 2, 1915 | Levenson Wrecking Co., Inc. (ex rel.), vs. Morgan J. O'Brien et al. ..... | Mandamus to compel execution and delivery of contract for demolition of parcels 20 and 23. |
| Supreme... | 108 79 | Sept. 2, 1915 | Rothkopf, Marianna, vs. James M. Heinle et al. ..... | To foreclose mortgage. |
| Supreme... | 108 79 | Sept. 2, 1915 | Free Home for Young Girls vs. Louis Lese et al. ..... | To foreclose mortgage. |
| Co., K. Co.. | 108 80 | Sept. 2, 1915 | Peekskill Savings Bank vs. Potter & Decker Realty Co. et al..... | To foreclose mortgage. |
| Supreme... | 108 80 | Sept. 2, 1915 | Palmer, Mlin P., trustee, etc., vs. Vincent Garofalo et al..... | To foreclose mortgage. |
| Supreme... | 108 81 | Sept. 2, 1915 | Kohn, Solomon H., vs. Augusta Greenspan et al. ..... | To foreclose mortgage. |
| Supreme... | 108 82 | Sept. 2, 1915 | Burhans, Lorenzo Palmer ..... | Personal injuries, fall, condition of sidewalk, 857 6th Av., $50,000. |
| U. S. Dist.. | Bkt 410 | Sept. 3, 1915 | Belmont Waist & Dress Co., Inc. (Matter of) | Bankruptcy proceeding. |
| Sup.,B'xCo. | 108 83 | Sept. 3, 1915 | Travis, Eugene M., as Comptroller, etc., vs. Dominicus S. Voorhees et al. (No. 1).. | To foreclose mortgage. |
| Sup.,B'xCo. | 108 83 | Sept. 3, 1915 | Travis, Eugene M., as Comptroller, etc., vs. Dominicus S. Voorhees et al (No. 2).. | To foreclose mortgage. |
| Sup.,B'xCo. | 108 84 | Sept. 3, 1915 | Travis, Eugene M., as Comptroller, etc., vs. Amandus R. Bresler et al. (No. 1)..... | To foreclose mortgage. |
| Sup.,B'xCo. | 108 84 | Sept. 3, 1915 | Travis, Eugene M., as Comptroller, etc., vs. Amandus R. Bresler et al. (No. 2)..... | To foreclose mortgage. |
| Supreme... | 108 85 | Sept. 3, 1915 | Kouwenhoven Estates, Inc., vs. Beatrice Herz et al..... | To foreclose mortgage. |
| Supreme... | 108 86 | Sept. 3, 1915 | Arnold, Mary, vs. City of N. Y. and ano.... | Personal injuries, fall, condition of sidewalk, 594 E. 138th St., $10,000. |
| Supreme... | 108 87 | Sept. 3, 1915 | New York Savings Bank vs. Catherine M. Burke et al..... | To foreclose mortgage. |
| Supreme... | 108 87 | Sept. 3, 1915 | Kohn, Solomon H., vs. Augusta Greenspan et al. ..... | To foreclose mortgage. |
| Supreme... | 108 88 | Sept. 3, 1915 | Burns Brothers ..... | To clear title to property, Pleasant Av., Harlem River and E. 106th St. |
| Supreme... | 108 88 | Sept. 3, 1915 | Burns Brothers ..... | To clear title to property, Harlem River, Pleasant Av. and E. 107th St. |
| Sup., K. Co. | 108 89 | Sept. 4, 1915 | Municipal Liens Co. vs. John T. Fenlon et al. | To foreclose tax lien. |
| Co., K. Co.. | 108 89 | Sept. 4, 1915 | Brooklyn City Savings & Loan Association vs. John J. Reilly et al.. | To foreclose mortgage. |
| Supreme... | 108 90 | Sept. 4, 1915 | New York Market Gardeners Association .. | Summons only served. |
| Sup., K. Co. | 108 91 | Sept. 4, 1915 | Lawyers Mortgage Co. vs. Frank T. Hooker et al. ..... | To foreclose mortgage. |
| Sup., K. Co. | 108 92 | Sept. 4, 1915 | Herr, Celia, vs. City of N. Y. and ano..... | Personal injuries, fall, condition of sidewalk, 80 Graham Av., Bk., $5,000. |

## SCHEDULE "B."

### Judgments, Orders and Decrees Entered.

Thomas H. Wesley—Judgment entered in favor of defendant for $104.41 costs.

Mary E. Moore—Filed findings of fact and conclusions of law of Delahanty, J. Entered judgment in favor of defendant dismissing the complaint upon the merits, and for $57.35 costs.

Peo. ex rel. Ernest C. Hunt vs. W. A. Prendergast—Entered order denying motion for peremptory writ of mandamus.

John Mullens—Entered order discontinuing action without costs.

Peo. ex rel. N. Y. Municipal Railways Corporation vs. L. Purdy, et al.—Entered order granting motion to quash writ of certiorari and dismissing proceeding with $10 costs to defendants.

Daniel J. Keegan (2 actions)—Entered orders discontinuing actions without costs.

Peo. ex rel. Meier Steinbrink vs. Bd. of Elections—Entered order on remittitur from Appellate Division reversing order granting peremptory writ of mandamus, and denying motion for same.

Peo. ex rel. Theodore R. Unger vs. A. Woods—Entered Appellate Division order confirming determination of defendant. Entered Judgment on Appellate Division order for $57.21 costs in favor of defendant.

Long Island Railroad Co. vs. L. H. Pounds et al.—Order entered discontinuing action without costs.

Thomas English—Entered order dismissing action for lack of prosecution.

Mary Allen, admx.—Entered judgment in favor of defendant upon the merits, and for $76.11 costs in favor of defendant. Entered order denying plaintiff's motion for new trial.

Tillie Eisenberg, infant—Appellate Division order entered affirming judgment in favor of plaintiff.

Max Newman, infant, vs. Bd. of Education—Entered order changing venue to Queens County.

Interborough Rapid Transit Co.—Entered order denying defendant's motion for new trial.

### Judgments Were Entered in Favor of the Plaintiffs in the Following Actions.

| Date. | Name. | Register and Folio. | Amount. |
|---|---|---|---|
| 1915. | | | |
| July 29. | Strauss, Julius ..... | B. | $8,266 29 |

## SCHEDULE "C."

### Record of Court Work.

Rapid Transit (Westchester Av., in re Harry J. Sachs)—Motion to confirm referee's report, submitted to Donnelly, J. Decision reserved; C. Bradshaw for the City.

Francis H. Leggett & Co. vs. Degnon Contracting Co.—Motion to continue injunction pendente lite, argued before Donnelly, J. Decision reserved; C. V. Nellany for the City.

Peo. ex rel. Standard Computing Scale Co. vs. J. Hartigan—Motion to resettle order denying motion for mandamus, submitted to Delahanty, J. Decision reserved; H. N. Whitehouse for the City. "Motion granted."

Peo. ex rel. Herman Goldschmidt vs. Bd. of Education—Motion to vacate order for examination of Patrick Jones, argued before Donnelly, J. Decision reserved; C. McIntyre for the City. "Motion granted."

City of N. Y. vs. Columbus Wet Wash Laundry Co.—Tried before Prince, J., in Municipal Court; Judgment for defendant; J. H. Miles for the City.

Kidders Morris vs. City of N. Y. et al.—Reference proceeded and adjourned; S. K Probasco for the City.

### Hearings Before Commissioners of Estimate in Condemnation Proceedings.

Rapid Transit (Mott Ave. and Exterior St.)—4 hearings; H. W. Mayo for the City.

## SCHEDULE "D."

### Contracts, Etc., Drafted, Examined and Approved as to Form.

| Department. | Contracts Approved as to Form. | Contracts Examined and Returned for Revision. | Advertisements Approved as to Form. |
|---|---|---|---|
| Central Purchasing Committee ..... | 8 | .. | .. |
| Borough President ..... | 6 | .. | 4 |
| Public Service Commission ..... | 4 | .. | .. |
| Bellevue and Allied Hospitals..... | 2 | 2 | 1 |
| Department of Water Supply, Gas and Electricity ..... | 2 | .. | 1 |
| Board of Education ..... | 1 | .. | .. |
| Dock Department ..... | .. | 1 | .. |
| Board of Water Supply..... | .. | 1 | .. |
| Total..... | 23 | 4 | 6 |

| | | | |
|---|---|---|---|
| **Bonds Approved.** | | Public Service Commission ..... | 1 |
| Finance Department ..... | 13 | Borough President ..... | 1 |
| Borough Presidents ..... | 5 | Board of Water Supply..... | 1 |
| Total..... | 18 | Total..... | 6 |
| **Agreements Approved.** | | | |
| Dock Department ..... | 3 | | |

## SCHEDULE "E."

### Opinions Rendered to the Various Departments.

| Department. | Number of Opinions Rendered. | Department. | Number of Opinions Rendered. |
|---|---|---|---|
| Finance Department ..... | 34 | Board of Water Supply..... | 1 |
| Public Service Commission..... | 1 | Borough Presidents ..... | 1 |
| Department of Water Supply, Gas and Electricity..... | 1 | Dock Department ..... | 1 |
| Board of Estimate and Apportionment ..... | 1 | Park Department ..... | 1 |
| Municipal Civil Service Commission ..... | 1 | Department of Correction..... | 1 |
| | | Total..... | 43 |

LOUIS H. HAHLO, Acting Corporation Counsel.



## 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.**
Municipal Building, 10th floor. Ambulance Calls, 3100 Spring. Administration Offices, 748 Worth.

**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. Saturdays, 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, 1800 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, 6250 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.
Eugene W. Scheffer, Secretary.
S. S. Goldwater, Commissioner.

**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.
——, Corporation Counsel.
Louis H. Hahlo, Acting 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.
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.
George Featherstone, 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.
Calvin D. Van Name, 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.
9 a. m. to 2 p. m. during July and August.
Wm. F. Schneider, County Clerk.

**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.
——, 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, Room 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, 330-331 Main.
Jacob Brenner, 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 3d 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, 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, 14 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.
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.
William C. McKee, 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, 8452 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, Long Island City. Court opens at 10 a. m. Trial and Special Term for motions and ex-parte business each month, except July, August and the first two weeks in September, in Part 1. Trial Term, Part 2, February, April, June, last two weeks in September, and November. Special Term for Trials, January, April, June and October.
Clerk's Office open 9 a. m. to 5 p. m. Saturdays until 12 m. from Oct. to June. July, August and September until 2 p. m. Telephone, 3896 Hunter's 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, County Clerk.

## MUNICIPAL CIVIL SERVICE COMMISSION.

### Amendments to Rules and Classifications.

AT A MEETING OF THE MUNICIPAL Civil Service Commission of New York held December 16, 1914, it was
Resolved, that the Municipal Civil Service Classification be and the same hereby is amended by including in the Labor Class, Part III., the title "Auto Truck Driver."
December 17, 1914.
HENRY MOSKOWITZ, President.
Attest: ROBT. W. BELCHER, Secretary.

New York, January 15, 1915.
I hereby approve the foregoing amendment.
JOHN PURROY MITCHEL, Mayor.

STATE OF NEW YORK, OFFICE OF STATE CIVIL SERVICE COMMISSION, ALBANY, SEPTEMBER 21, 1915.
The foregoing resolution amending the civil service rules for the City of New York, having been duly examined, is hereby approved by the State Civil Service Commission.
Attest: JOHN C. BIRDSEYE, Secretary. s30

AT A MEETING OF THE MUNICIPAL Civil Service Commission of New York held August 18, 1915, it was
Resolved, that the Municipal Civil Service Classification be and the same hereby is amended by striking from the Non-Competitive Class for the Department of Health, under the heading "Hospitals for Contagious Diseases in New York City (Without Maintenance)," the following: "Attending Physician at Tuberculosis Clinics, $600 per annum."
August 19, 1915.
HENRY MOSKOWITZ, President.
Attest: ROBT. W. BELCHER, Secretary.

New York September 9, 1915.
I hereby approve the foregoing amendment.
JOHN PURROY MITCHEL, Mayor.

OFFICE OF STATE CIVIL SERVICE COMMISSION, ALBANY, SEPTEMBER 21, 1915.
The foregoing resolution amending the civil service rules for the City of New York, having been duly examined, is hereby approved by the State Civil Service Commission.
Attest: JOHN C. BIRDSEYE, Secretary. s30

AT A MEETING OF THE MUNICIPAL Civil Service Commission of New York held November 25, 1914, it was
Resolved, that the Municipal Civil Service Classification be and the same hereby is amended by striking from the Non-Competitive Class, under the heading "Positions in the Department of Public Charities, at compensations not exceeding the amounts set forth below (With Maintenance)," the line Automobile or Ambulance Driver, $960 per annum, and substituting therefor the following:
*AMBULANCE DRIVER, $960 PER ANNUM.*
November 27, 1914.
ALEXANDER KEOGH, Commissioner.
Attest: ROBT. W. BELCHER, Secretary.

New York, July 12, 1915.
I hereby approve the foregoing amendment.
JOHN PURROY MITCHEL, Mayor.

STATE OF NEW YORK, OFFICE OF STATE CIVIL SERVICE COMMISSION, ALBANY, JULY 16, 1915.
The foregoing resolution of the Municipal Civil Service Commission of the City of New York, having been duly examined, is hereby approved by the State Civil Service Commission.
Attest: JOHN C. BIRDSEYE, Secretary. s30

AT A MEETING OF THE MUNICIPAL Civil Service Commission of New York held June 16, 1915, it was
Resolved, that clause 2 of Rule XXI. of the Rules of the Municipal Civil Service Commission be and the same hereby is amended 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 employees of the Commission as the Commission shall, by resolution, designate therefor."
June 16, 1915.
DARWIN R. JAMES, Commissioner.
Attest: ROBT. W. BELCHER, Secretary.

New York, June 22, 1915.
I hereby approve the foregoing amendment.
O. GRANT ESTERBROOK, Acting Mayor.

OFFICE OF STATE CIVIL SERVICE COMMISSION, ALBANY, N. Y., JULY 6, 1915.
The foregoing resolution amending the civil service rules for the City of New York, having been duly examined, is hereby approved by the State Civil Service Commission.
Attest: JOHN C. BIRDSEYE, Secretary. s30

### Notices of Examinations.

PUBLIC NOTICE IS HEREBY GIVEN THAT applications will be received by the Municipal Civil Service Commission, Municipal Building, Manhattan, New York City, from
**TUESDAY, SEPTEMBER 28, 1915, TO WEDNESDAY, OCTOBER 13, 1915,**
for the position of
**ACTUARIAL CLERK, GRADE 3.**
No applications delivered at the office of the Commission, by mail or otherwise, after 4 P. M. WEDNESDAY, OCTOBER 13, 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. Postage on applications forwarded by mail must be fully prepaid.
Applicants must be citizens of the United States and residents of the State of New York.
The subjects and weights of the examination are: Duties, 4; Mathematics, 4; Experience, 2. 70% is required on Experience; 70% on all. The examination in Mathematics will include calculations employed in the handling of actuarial problems, algebra and the use of logarithms.
Applications for this examination must be filed on a special blank, Form C, with insert. Experience blanks will be issued with the applications, and must be filed with the Commission at the time of filing applications. The Experience will then be rated. Candidates receiving less than 70% in Experience will not be summoned for the Mental Examination.
*Duties:* Assisting in the adjustment of crude mortality rates prepared from tabulations in the computing department; constructing commutation columns; preparing annuity values and present values of pension benefits and working tables.
*Requirements:* Candidates must present evidence of at least one year's experience in the actuarial department of a life insurance company or similar institution in positions involving the actual performance of duties like those described above, or other experience tending to qualify them for this work. Candidates must be thoroughly acquainted with mathematics as applied in actuarial work, especially logarithms, interest and annuities, permutations and combinations, chance or probability. Knowledge of actuarial terms and ability to read symbols and formulae are most essential.
Minimum age, 20 years. There is one vacancy in the Commission on Pensions. Salary, $1,050.
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.
s28,o13 R. W. BELCHER, Secretary.

## DEPARTMENT OF PARKS.

### 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, OCTOBER 7, 1915,**
**Borough of Manhattan.**
FOR PAVING AND REPAVING WITH ROCK ASPHALT MASTIC WHERE DIRECTED THE WALKS OF THE CENTRAL AND OTHER PARKS IN THE BOROUGH OF MANHATTAN.
The time allowed for the completion of the whole work will be thirty consecutive working days.
The amount of the security required is one thousand five hundred dollars ($1,500).
Certified check or cash in the sum of Seventy-five dollars must accompany bid.
Blank forms and other information may be obtained at the office of the Department of Parks, Borough of Manhattan, 10th floor, Room 1004, Municipal Building, Centre and Chambers Sts.
The bids will be compared and the contract awarded at a lump or aggregate sum.
CABOT WARD, President; RAYMOND V. INGERSOLL, THOMAS W. WHITTLE, JOHN E. WEIER, Commissioners of Parks. s25,o7.
**☞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, Manhattan, until 3 o'clock p. m., on
**THURSDAY, OCTOBER 7, 1915,**
**Borough of Manhattan.**
FOR ALL LABOR AND MATERIALS REQUIRED FOR THE INSTALLATION OF GALLERIES, BOOKSHELVES AND CASES IN ROOMS 307, 308, 313 AND 226, FOR THE PRESERVAAION OF VALUABLE MANUSCRIPTS AND PRINTS, AT THE NEW YORK PUBLIC LIBRARY, ASTOR, LENOX AND TILDEN FOUNDATIONS, BOROUGH OF MANHATTAN.
The amount of security required is three thousand dollars ($3,000).
The time allowed to complete the work will be one hundred (100) consecutive working days.
Certified check or cash in the sum of one hundred and fifty dollars ($150) must accompany bid.
Blank forms and other information may be obtained at the office of the Department of Parks, Borough of Manhattan, Room 1004, Municipal Building, Chambers and Centre Streets.
The bids will be compared and the contract awarded at a lump or aggregate sum.
CABOT WARD, President; RAYMOND V. INGERSOLL, THOMAS W. WHITTLE, JOHN E. WEIER, Commissioners of Parks. s25,o7
**☞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 3 o'clock p. m., on
**THURSDAY, SEPTEMBER 30, 1915,**
**Borough of Manhattan.**
FOR FURNISHING AND DELIVERING FORAGE.
The amount of bond required is thirty per cent. of the amount for which the contract is awarded.
The security deposit must be not less than 1½% of amount of bid, and be in certified check or cash.
The time allowed for the completion of the contract is before December 31, 1915.
Blank forms and other information may be obtained at the office of the Dept. of Parks, Boroughs of Manhattan and Richmond, Municipal Bldg., 10th floor, Chambers and Centre Sts.
The bids will be compared and the contract awarded at a lump or aggregate sum.
CABOT WARD, President, RAYMOND V. INGERSOLL, THOMAS W. WHITTLE, JOHN E. WEIER, Commissioners of Parks. s18,30
**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

## FIRE DEPARTMENT.

### RULES AND REGULATIONS.

**Trans-shipment of Ammunition and Explosives.**

No explosives (including wet guncotton) and no form of ammunition, other than small arms ammunition, and shrapnel without fuses or propelling charges as provided in paragraph No. 5 of this resolution, shall be brought into the City of New York except for use in such City or under the following conditions:
(1) Such explosives and ammunition may be transported by rail into the Mott Haven Railroad Yards, and the railroad yards of the Baltimore & Ohio Railroad Company on Staten Island, provided they are promptly transferred by car floats, barges or lighters to government anchorage to be there loaded on an outgoing vessel.
(2) Such explosives and ammunition, transshipped by water, shall be conveyed to vessels at anchor, upon which such explosives or ammunition is to be loaded, between sunrise and sunset and when there is no dense fog.
(3) All barges, floats or other vessels, when engaged in transporting explosives or ammunition in the waters adjacent to the City of New York, shall maintain a distance of 1,000 feet from the pier lines, excepting at such points in the East River where they are precluded from so doing by the narrowness of the fairway, and at such points shall maintain a course as near midstream as the necessities of navigation will permit.
(4) All barges, floats or other vessels carrying such explosives or ammunition in the waters adjacent to the City of New York shall fly at the bow and stern of each vessel and not less than fifteen feet above the deck a red flag of not less than twenty square feet in surface. Red lights shall be substituted for the flags if the vessel remains at government anchorage after sundown.
(5) Shrapnel shells containing black powder only as a bursting charge may be loaded upon ships lying at their docks from barges and on the day of sailing only, and the total amount of black powder contained in any one shipment shall not exceed 1,000 lbs.; the number of shrapnel shells of various calibres in any one shipment not to exceed that set forth in the following tabulation: 3 3-10" shrapnel, bursting charge, 3¼ ounces, 6,400 shells; 5" shrapnel, bursting charge, .82 lb., 976 shells; 6" shrapnel, bursting charge, 1.27 lb., 787 shells; 8" shrapnel, bursting charge, 2.60 lb., 385 shells.
Shrapnel shells of higher calibres than those stated to be allowed in such number as will not exceed 1,000 lbs. of black powder in the total of their bursting charges.
*Resolution adopted by Board of Hazardous Trades—July 28, 1915, and as amended Sept. 3 and Sept. 25, 1915.*

## 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, OCTOBER 1, 1915.**
FOR FURNISHING AND DELIVERING CANNED GOODS AND GROCERIES.
The time for the performance of the contract is on or before December 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. 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. s21,o1
**☞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 TAXES AND ASSESSMENTS.

### PROPERTY OWNERS, NOTICE!

The annual Record of the Assessed Valuation of Real Estate in the City of New York for 1916 will be open for inspection, examination, and correction from
**OCTOBER 1 until, but not including, NOVEMBER 16, 1915.**
The annual Record of Assessed Valuation of Personal Estate for the City of New York for 1916 will be open for inspection, examination, and correction from
**OCTOBER 1 until, but not including, DECEMBER 1, 1915.**
*During the time the books are open for public inspection, application may be made to the Department of Taxes and Assessments by any person or corporation claiming to be aggrieved by the assessed valuation to have it corrected.*
Applications for the reduction of Real Estate assessments must be made in writing and should be upon blanks furnished by the Department.
Applications for the correction of the Personal assessments of corporations must be filed at the main office in the Borough of Manhattan.
Applications in relation to the assessed valuation of Personal Estate must be made by the person assessed at the office of the Department, in the Borough where such person resides, and in case of a non-resident carrying on business in the City of New York, at the office of the Department in the Borough where such place of business is located, between the hours of 10 A. M. and 2 P. M., except on Saturdays, when all applications must be made between 10 A. M. and 12 noon.
LOCATION OF OFFICES.
Manhattan—Main Office, Municipal Building, 9th Floor.
Bronx—Bergen Building, Tremont and Arthur Aves.
Brooklyn—Offerman Building, Duffield and Fulton Sts.
Queens—Court House Square, Long Island City.
Richmond—Borough Hall, New Brighton, S. I.
LAWSON PURDY, President; JOHN J. HALLERAN, CHAS. T. WHITE, COLLIN H. WOODWARD, ARDOLPH L. KLINE, GEORGE V. MULLAN, FREDERIC B. SHIPLEY, Commissioners. s27,d1

## 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, OCTOBER 19, 1915,**
for
CONTRACT 166.
FOR THE ERECTION OF TWO STEEL FRAME BUILDINGS, GALVANIZED STEEL COVERED, FOR THE DRAINAGE CHAMBERS, AT SHAFTS 11 AND 21 OF THE CITY TUNNEL OF CATSKILL AQUEDUCT, NEW YORK CITY. BOTH BUILDINGS ARE OF APPROXIMATELY, THE SAME SIZE, THE LARGER ONE BEING ABOUT 48 FEET BY 40 FEET BY 83 FEET. THE SUBSTRUCTURES OR FOUNDATIONS OF THESE BUILDINGS ARE BEING BUILT UNDER OTHER CONTRACTS.
A statement of the work required 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 eighteen thousand dollars ($18,000) 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 nine hundred dollars ($900).
Time allowed for the completion of the work is 7 calendar weeks from the service of notice that the foundations are ready for the erection of the steel.
Pamphlets containing information for bidders, forms of proposal and contract, specifications, etc., and pamphlets of contract drawings 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 eqivalent 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.
GEORGE FEATHERSTONE, Secretary.
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. s30,o19

## DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

### Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Water Supply, Gas and Electricity at Room 2351, Municipal Building, Manhattan, until 2 o'clock p. m. on
**THURSDAY, OCTOBER 7, 1915,**
**Boroughs of Manhattan and The Bronx.**
FOR FURNISHING, DELIVERING AND LAYING WATER MAINS AND APPURTENANCES IN WESTCHESTER AVENUE, FROM THIRD AVENUE TO SOUTHERN BOULEVARD, BOROUGH OF THE BRONX.
The time allowed for doing and completing the entire work is one hundred (100) consecutive working days.
The amount in which security is required for the performance of the contract is Fifteen Thousand Dollars ($15,000).
The bidder will state the price per unit of each item of work, materials or supplies contained in the specifications or schedules, by which the bids will be tested. The bids will be compared and award made to the lowest formal bidder in the aggregate for all the items contained in the specifications and schedule of quantities.
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.
Sept. 24, 1915.
s27,o7 WILLIAM WILLIANS, Commissioner.
**☞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 Water Supply, Gas and Electricity at Room 2351, Municipal Building, Manhattan, until 2 o'clock p. m., on
**MONDAY, OCTOBER 4, 1915,**
**All Boroughs.**
FOR FURNISHING AND DELIVERING LUBRICANTS AND KEROSENE; PUMP VALVES; BOILER GASKETS; LANTERN WICKS; CANDLES, RED RUBBER SHEET; HYDRANT PARTS; PACKING AND STANCHION BOLTS; BRASS UNIONS; GAUGE GLASSES; OIL CANS; PUMP STRAINERS AND SUCKERS; SLEDGE HANDLES; CASTING BRUSHES; CHISELS; WRENCHES; SCREWDRIVERS, ETC.; MACHINE BOLTS AND NUTS; LEATHER; INK; SUCTION HOSE, ROOFING FELT.
The time allowed for the performance of the contract is thirty (30) calendar days.
The amount of the security for the performance of the contract shall be thirty per cent. (30%) of the total amount for which the contract is awarded.
The bidder will state the price of materials or supplies contained in the specifications or sched-

ules, by which the bids will be tested. The bids will be compared and award made to the lowest formal bidder on each item.

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.

Sept. 20, 1915.

s23,o4 WILLIAM WILLIAMS, Commissioner.

☞See General Instructions to Bidders on last page, last column, of the "City Record."

## 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 Queens, Affecting Real Property in the First Ward of said Borough, as shown on the Tax Map of said City for said Borough of Queens, and also for Unpaid Taxes on the Real Estate of Corporations and Taxes on the Special Franchises of Corporations Affecting Property of certain Corporations and Individuals within the entire Borough of Queens.**

THE CITY OF NEW YORK, DEPARTMENT OF FINANCE, BUREAU FOR THE COLLECTION OF ASSESSMENTS AND ARREARS OF TAXES AND ASSESSMENTS, MUNICIPAL BUILDING, BOROUGH OF MANHATAAN, 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 Queens, in the City of New York, as said lands and tenements are shown within the First Ward of said Borough, 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 entire Borough of Queens 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 eleventh, 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 first, 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 in the Municipal Building, Court House Square, Anable Avenue, Long Island City, Borough of Queens, 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 eleventh, nineteen hundred and fifteen, will be sold at Public Auction, in Arrears Office, Third Floor, Municipal Building, Court House Square, Long Island City, Borough of Queens, in the City of New York, on

**TUESDAY, OCTOBER 19, 1915,**

at ten o'clock in the forenoon 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 eleventh 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 first, nineteen hundred and fifteen).

Notice is hereby further given that a particular and detailed statement of the property affected showing section, volume 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 Queens and the tax liens thereon which are to be sold, is published in a pamphlet and that copies thereof are deposited in the offices of the Collector of Assessments and Arrears in the Boroughs of Queens and Manhattan and will be delivered to any person applying for the same.

Dated, New York, July 15, 1915.

DANIEL MOYNAHAN, Collector of Assessments and Arrears of the City of New York.

This notice applies to arrears as of March 11, 1915. jy15,22.29,a5,12.19,26,s2,9,16.23.30,o7,14

### 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 sales of July 15, September 9, October 7, November 4 and December 2, 1914, January 13, February 17, April 17, May 19, June 16 and July 14, Sept. 15, 1915, has been continued to

**WEDNESDAY, OCTOBER 13, 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. s21,o13

### Notice of Continuation of the Queens Tax Sale.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of Queens, as to liens remaining unsold at the termination of the sale of October 27, December 8, 1914, January 19, March 2, April 20, June 8 and July 20, 1915, has been continued to

**TUESDAY, OCTOBER 5, 1915,**

at 10 o'clock A. M., pursuant to Section 1028 of the Greater New York Charter, and will be continued at that time on the third floor of the Municipal Building, Court House Square, Long Island City, Borough of Queens, City of New York.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. a17,o5

### Notice of the Continuation of The Bronx Tax Sale.

THE SALE OF THE LIENS FOR UNPAID SPECIAL FRANCHISE TAXES AND REAL ESTATE OF CORPORATION TAXES for the Borough of the Bronx, as to liens remaining unsold at the termination of sale of August 9, 1915, has been continued to

**MONDAY, NOVEMBER 1, 1915,**

at 2 o'clock P. M., pursuant to Section 1028 of the Greater New York Charter, and will be continued at that time on the 4th floor of the Bergen Building, corner of Arthur and Tremont Avenues, Borough of the Bronx, City of New York.

DANIEL MOYNAHAN, Collector of Assessments and Arrears a17,n1

### Notice of Continuation of the Manhattan Tax Sale.

THE SALE OF THE LIENS FOR UNPAID taxes, assessments and water rents for the Borough of Manhattan as to the liens remaining unsold at the termination of the sale of August 26th, 1915, has been continued to

**THURSDAY, OCTOBER 7, 1915,**

at 2 P. M., pursuant to Section 1028 of the Greater New York Charter, and will be continued at that time on the fifth floor of the Municipal Building (room 512), Manhattan, City of New York.

DANIEL MOYNAHAN, Collector of Assessments and Arrears. a28,o7

### Corporation Sales of Real Estate.

Bryan L. Kennelly, Auctioneer.

PUBLIC NOTICE IS HEREBY GIVEN THAT the Commissioners of the Sinking Fund of The City of New York, by virtue of the powers vested in them by law, will offer for sale at public auction on

**THURSDAY, SEPTEMBER 30, 1915,**

at 12 o'clock M., at the New York Real Estate Exchange, Nos. 14 and 16 Vesey Street, Borough of Manhattan, all that certain piece or parcel of land situate, lying and being in the former Town of Westfield, Borough of Richmond, City and State of New York, bounded and described as follows:

BEGINNING at a point on the southerly side of the road leading to Richmond Valley, commonly called the Mill Road, and at the dividing line between the lands of Ann E. Barnard and land now or formerly of F. J. Dubois; and running thence westerly along the said road 110 feet; thence southerly and at right angles to said road to the middle of the creek; thence easterly along the middle of the creek to land now or formerly of F. J. Dubois; thence northerly along said lands now or formerly of said Dubois to the southerly side of said Mill Road at the point or place of beginning.

The minimum or upset price at which said property shall be sold is hereby fixed at Four hundred and twenty-five dollars ($425), plus the cost of advertising the sale. The sale to be made upon the following

TERMS AND CONDITIONS:

The highest bidder will be required to pay ten per cent. (10%) of the amount of his bid, together with the auctioneer's fees, at the time of the sale, and ninety per cent. (90%) upon the delivery of the deed, which shall be within sixty days from the date of the sale.

The deed so delivered shall be in the form of a bargain and sale deed, without covenants.

The Comptroller may, at his option, resell the property if the successful bidder shall fail to comply with the terms of the sale, and the person so failing to comply therewith will be held liable for any deficiency which may result from such resale.

The right is reserved to reject any and all bids.

Maps of said real estate may be seen on application at the Comptroller's Office (Division of Real Estate), Room 733, Municipal Building, Borough of Manhattan.

By order of the Commissioners of the Sinking Fund under resolution adopted at meeting of the Board held July 30, 1915.

WM. A. PRENDERGAST, Comptroller.

Department of Finance, Comptroller's Office, September 11, 1915. s14,30

### Interest on City Bonds and Stock.

THE INTEREST DUE ON NOVEMBER 1, 1915, on registered bonds and stock of The City of New York, and of the former corporations now included therein, will be paid on that day by the Comptroller at his office (Room 847, in the Municipal Building, at Chambers and Centre sts., in the Borough of Manhattan).

The coupons that are payable in New York or in London for the interest due on November 1, 1915, on assessment bonds and corporate stock of The City of New York will be paid on that day at the option of the holders thereof, either at the office of the Comptroller (Room 847, in the Municipal Building, at Chambers and Centre sts., in the Borough of Manhattan, New York City), in United States, or at the office of Messrs. Seligman Brothers, 18 Austin Friars, London, E. C., England, in sterling.

The coupons that are payable only in New York for interest due on November 1, 1915, on bonds and stock of the present and former City of New York, of former corporations now included in The City of New York, and the former County of Queens, will be paid on that day at the office of the Comptroller (Room 847, in the Municipal Building, at Chambers and Centre sts., in the Borough of Manhattan, New York City).

The books for the transfer of bonds and stock on which interest is payable November 1, 1915, will be closed from October 5, 1915, to November 1, 1915.

WILLIAM A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office. September 15th, 1915. s16,o30

THE INTEREST DUE ON OCTOBER 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 Sts., in the Borough of Manhattan.

The interest due on October 1, 1915, on the Coupon Bonds and Stock of the present and former City of New York and of former corporations now included therein, except the former County of Queens, will be paid on that day by the Comptroller at his office (Room 853) in the Municipal Building, at Chambers and Centre Sts.,

The Coupons that are payable on October 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 payable on October 1, 1915, will be closed from September 15 to October 1, 1915.

WM. A. PRENDERGAST, Comptroller, City of New York, Department of Finance, Comptroller's Office, September 1, 1915. s1,30

### 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 autnorized 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 Pavement.*

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.

### Corporation Sale of Lease.

CORPORATION SALE BY SEALED BIDS OF THE LEASE OF CERTAIN CITY REAL ESTATE.

UPON THE AUTHORIZATION OF THE Commissioners of the Sinking Fund, and pursuant to a resolution adopted by them at a meeting held July 30, 1915, the Comptroller of the City of New York will sell by sealed bids on

**THURSDAY, OCTOBER 14, 1915,**

at 12 o'clock M., in Room 368, Municipal Building, Borough of Manhattan, the lease of premises situated on the easterly side of Clinton Street, 100 feet north of Grand Street, and known as No. 154 Clinton Street, Borough of Manhattan, with the improvements thereon, for a period of five years commencing January 1, 1916.

The Comptroller will receive sealed bids for the lease of the said premises for the said period at the minimum or upset price of Twenty-seven hundred and Fifty-six Dollars ($2,756) per annum, payable quarterly in advance, and the said sale will be made upon the following terms and conditions:

The highest bidder will be required to pay twenty-five per cent. (25%) of the amount of the yearly rental at the time and place of sale; the amount so paid for one quarter's rent shall be forfeited if the successful bidder does not execute the lease when notified it is ready for execution.

He will also be required to give an undertaking in the amount of the annual rental bid, with two sufficient sureties to be approved by the Comptroller, for the payment of the rent quarterly in advance, and for the performance of the terms and covenants of the lease.

No person shall be received as lessee or surety who is a delinquent on any former lease from the corporation, and no bid shall be accepted from any person who is in arrears to the corporation upon debt or contract, or who is a defaulter as surety or otherwise upon any obligation to the City, as provided by law.

The lease will be in the usual form of leases of like property, and will contain in addition to other terms, covenants and conditions, as follows:

First—A clause providing that the lessee shall pay the usual rate for water per meter measurements, and comply with the rules and regulations of the Department of Water Supply, Gas and Electricity.

Second—A clause providing that the lessee shall not make any alterations or improvements on the property, except with the consent and approval of the Comptroller.

Third—A clause providing that during the term of the lease the lessee shall keep the buildings in proper repair, both inside and outside, at his own cost and expense, and shall comply with all the laws and ordinances of The City of New York.

Fourth—A clause providing that all repairs, alterations and improvements made on or to the property by the lessee during the period of the lease shall become the property of The City of New York at the expiration of said lease.

The Comptroller shall have the right to reject any or all bids if deemed to be to the interest of The City of New York.

WM. A. PRENDERGAST, Comptroller of The City of New York.

Department of Finance, Comptroller's Office, September 24th, 1915. s27,o14

### 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 Queens, 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 Queens.**

BEING the buildings, parts of buildings, etc., standing within the lines of Bartow Street (6th Avenue) from Flushing Avenue to Woolsey Avenue, in the Borough of Queens, 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 September 15, 1915, the sale by sealed bids at the upset or minimum prices named in the description of each parcel of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

**MONDAY, OCTOBER 11, 1915,**

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 62: Part of one-story frame building on the south side of Bartow Street (6th Avenue), 65 feet east of Flushing Avenue. Upset price, $10.00.

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 11th day of Oct., 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 October 11, 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, September 18, 1915. s24,o11

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 Powell Avenue, from Pugsley Avenue to Zerega Avenue, 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 September 15, 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

**FRIDAY, OCTOBER 8, 1915,**

at 11 A. M., in lots and parcels, and in manner and form, and at unset prices as follows:

PARCEL NO. 247: Fence on north side of Powell Avenue, 100 feet east of Pugsley Avenue. Unset price, $3.00.

PARCEL NO. 251: Fence 225 feet east of Parcel No. 247. Unset price, $2.00.

PARCEL NO. 254: Fence and part of steps 150 feet east of Parcel No. 251. Upset price, $2.00.

PARCEL NO. 255: Fence and part of steps east of and adjoining Parcel No. 254. Upset price, $2.00.

PARCEL NO. 258: Fence on the south side of Powell Avenue, 300 feet east of Pugsley Avenue. Unset price, $3.00.

PARCEL NO. 259: Part of one-story frame house east of and adjoining Parcel No. 258. Cut 2.4 feet on west side by 2.1 feet on east side. Unset price, $10.00.

PARCEL NO. 260: Fence at the southwest corner of Powell Avenue and Olmstead Avenue. Unset price, $5.00.

PARCEL NO. 267: Part of three-story frame building on the southeast corner of Powell Avenue and Olmstead Avenue. Cut 4.1 feet on front and rear. Unset price, $100.00.

PARCEL NO. 268: Fence on the southwest corner of Powell Avenue and East 177th Street. Unset price, $2.00.

PARCEL NO. 269: Iron fence at the northeast corner of Powell Avenue and East 177th Street. Unset price, $5.00.

PARCEL NO. 270: Fence east of and adjoining Parcel No. 269. Unset price, $2.00.

PARCEL NO. 271: Fence east of and adjoining Parcel No. 270. Unset price, $2.00.

PARCEL NO. 272: Fence east of and adjoining Parcel No. 271. Unset price, $2.00.

PARCEL NO. 273: Fence east of and adjoining Parcel No. 272. Unset price, $2.00.

PARCEL NO. 283: Fence and part of porch at the southwest corner of Powell Avenue and Castle Hill Avenue. Cut porch 1.5 feet east and west. Unset price, $5.00.

PARCEL NO. 285: Picket fence on the north side of Powell Avenue, 90 feet east of Castle Hill Avenue. Unset price, $2.00.

PARCEL NO. 286: Wire fence east of and adjoining Parcel No. 285. Upset price, $2.00.

PARCEL NO. 287: Picket fence east of and adjoining Parcel No. 286. Unset price, $2.00.

PARCEL NO. 288: Wire fence east of and adjoining Parcel No. 287. Upset price, $2.00.

PARCEL NO. 289: Iron fence east of and adjoining Parcel No. 288. Upset price, $3.00.

PARCEL NO. 290: Picket fence east of and adjoining Parcel No. 289. Upset price, $2.00.

PARCEL NO. 291: Wall and iron fence east of and adjoining Parcel No. 290. Upset price, $3.00.

PARCEL NO. 292: Iron fence east of and adjoining Parcel No. 291. Upset price, $3.00.

PARCEL NO. 293: Iron fence east of and adjoining Parcel No. 292. Upset price, $5.00.

PARCEL NO. 294: Picket fence on the north side of Powell Avenue, west of Havemeyer Avenue. Unset price, $3.00.

PARCEL NO. 297: Wire fence on the south side of Powell Avenue, 200 feet east of Castle Hill Avenue. Unset price, $2.00.

PARCEL NO. 298: Picket fence east of and adjoining Parcel No. 297. Unset price, $2.00.

PARCEL NO. 299: Picket fence east of and adjoining Parcel No. 298. Upset price, $5.00.

PARCEL NO. 300: Iron fence east of and adjoining Parcel No. 299. Unset price, $5.00.

PARCEL NO. 301: Picket fence east of and adjoining Parcel No. 300. Upset price, $2.00.

PARCEL NO. 302: Picket fence east of and adjoining Parcel No. 301. Upset price, $2.00.

PARCEL NO. 303: Picket fence on the south side of Powell Avenue, west of Havemeyer Avenue. Upset price, $3.00.

PARCEL NO. 307: Fence and part of frame barn on the south side of Powell Avenue, 75 feet east of Havemeyer Avenue. Cut 5.3 feet on east and west sides. Upset price, $10.00.

PARCEL NO. 309: Fence and part of shed at the northeast corner of Powell Avenue and Havemeyer Avenue. Cut shed 6.3 feet on west side by 6.2 feet on east side. Upset price, $5.00.

PARCEL NO. 310: Picket fence east of and adjoining Parcel No. 309. Upset price, $2.00.

PARCEL NO. 311: Picket fence east of and adjoining Parcel No. 310. Upset price, $2.00.

PARCEL NO. 314: Wire fence 75 feet east of Parcel No. 311. Upset price, $2.00.

PARCEL NO. 315: Picket fence east of and adjoining Parcel No. 314. Upset price, $2.00.

PARCEL NO. 316: Picket fence east of and adjoining Parcel No. 315. Upset price, $2.00.

PARCEL NO. 317: Picket fence east of and adjoining Parcel No. 316. Upset price, $2.00.

PARCEL NO. 318: Picket fence east of and adjoining Parcel No. 317. Upset price, $2.00.

PARCEL NO. 319: Picket fence and part of shed east of and adjoining Parcel No. 318. Cut shed 7.1 feet on west side by 7.2 feet on east side. Upset price, $3.00.

PARCEL NO 327: Picket and board fence on the south side of Powell Avenue, 150 feet west of Zerega Avenue. Upset price, $2.00.

PARCEL NO. 328: Board fence east of and adjoining Parcel No. 327: Upset price, $2.00.

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 8th day of Oct., 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 Oct. 8, 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 September 18, 1915. s22,08

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 East 213th Street, from Bronx Boulevard to Boston Road, 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 September 15, 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

**THURSDAY, OCTOBER 7, 1915,**

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL NO. 9: Iron fence at the southeast corner of East 213th Street and Bronxwood Avenue. Upset price, $10.00.

PARCEL NO. 10: Fence and part of steps 902 East 213th Street. Upset price, $2.00.

PARCEL NO. 11-12: Part of two three-story brick houses 904-906 East 213th Street. Cut 4.3 feet on west side by 4.2 feet on east side. Upset price, $250.00.

PARCEL NO. 13-14: Fence east of and adjoining Parcel No. 11-12. Upset price, $3.00.

PARCEL NO. 17: Part of porch and fence 50 feet east of Parcel No. 14. Upset price, $5.00.

PARCEL NO. 19: Part of one-story frame shed 30 feet east of Parcel No. 17. Cut 8.9 feet on west side by 9.2 feet on east side. Upset price, $5.00.

PARCEL NO. 20: Fence east of and adjoining Parcel No. 19. Upset price, $2.00.

PARCEL NO. 21: Fence east of and adjoining Parcel No. 20. Upset price, $2.00

PARCEL NO. 22: Fence east of and adjoining Parcel No. 21. Upset price, $2.00.

PARCEL NO. 25: Shed in rear of 949 Tilden Street. Upset price, $5.00.

PARCEL NO. 28-30: Part of porch and chicken coop in rear of 955 Tilden Street. Cut coop 8.1 feet on east and west sides. Upset price, $10.00.

PARCEL NO. 34: Part of two-story and basement frame house 1009 Tilden Street. Cut 22.8 feet on east and west sides. Upset price, $50.00.

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 7th day of Oct., 1915, and then publicly opened for the sale for removal of the above-described buildings and appurtenance 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 Oct. 4, 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. September 17, 1915. s20,04

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 Matthews Avenue, from Van Nest Avenue to Bear Swamp Road, and Damage Parcel No. 150 of the Bear Swamp Road proceeding, 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 resolutions of the Commissioners of the Sinking Fund, adopted at meetings held June 10, 1914, and September 15, 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

**MONDAY, OCTOBER 4, 1915,**

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices, as follows:

PARCELS 150 and 306: Part of three-story frame building, No. 1919 Bronxdale Avenue (Bear Swamp Road). Cut 0.6 feet on east side by 32.1 feet on west side from rear of house, and cut 24.8 feet on east side by 31.26 feet on west side from front of building.

Upset price, $150.

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 a. m., on the 4th day of October, 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.

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 October 5, 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, September 17, 1915. s20,05

CORPORATION SALE OF BUILDINGS AND APPURTENANCES THERETO ON CITY REAL ESTATE, BY SEALED BIDS.

AT THE REQUEST OF THE PRESIDENT of the Borough of Queens, 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 Queens.**

Being the buildings, parts of buildings, etc., standing within the lines of Rust Street, from Clark Avenue to Grand Street, in the Borough of Queens, 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 September 15, 1915, the sale by sealed bids at the upset or minimum prices named in the description of each parcel of the above described buildings and appurtenances thereto will be held by direction of the Comptroller on

**WEDNESDAY, OCTOBER 6, 1915,**

at 11 A. M., in lots and parcels, and in manner and form, and at upset prices as follows:

PARCEL 18: Part of two two-story frame buildings at the southeast corner of Herbert Street and Rust Street. Cut 5.06 feet on front by 9.94 feet on rear.

Upset price, $25.

PARCEL 19: Part of one-story and basement frame house in rear of Parcel No. 18. Cut 9.03 feet on front by 3.51 feet on south side.

Upset price, $5.

PARCEL 21: Three sheds at Charles Street and Rust Street.

Upset price, $5.

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 a. m., on the 6th day of October, 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 October 6, 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, September 17, 1915. s20,06

**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 BROOKLYN:

ELEVENTH WARD, SECTION 7.

ACQUIRING TITLE TO THE TRIANGLE PARCEL OF LAND located at the junction of the Northeasterly side of Flatbush Avenue and the Westerly side of Ashland Place. Confirmed August 14, 1915; entered September 23, 1915. 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.:

Beginning at a point on a line midway between Third and Fourth Avenues where it is intersected by a line midway between State Street and Atlantic Avenue, and running thence northeastwardly along the said line midway between Third and Fourth Avenues and along the prolongation of the said line to the intersection with the prolongation of a line midway between Lafayette Avenue and Hanson Place; thence eastwardly along the said line midway between Lafayette Avenue and Hanson Place and the prolongation thereof to a point distant 100 feet easterly from the easterly line of Ashland Place, the said distance being measured at right angles to Ashland Place; thence southwardly and parallel to Ashland Place to a point distant 100 feet southerly from the southerly line of Hanson Place, the said distance being measured at right angles to Hanson Place; thence westwardly and parallel with Hanson Place and its prolongation to the intersection with the prolongation of a line midway between State Street and Atlantic Avenue; thence westwardly along the said line midway between State Street and Atlantic Avenue and along the prolongation of the said line to the point or place of beginning.

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 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 November 22, 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, September 23, 1915. s28,08

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 to all persons, owners of property, of the confirmation by the Supreme Court and the entering in the Bureau for the Collection of Assessments and Arrears of Assesments for CLOSING AND ACQUIRING TITLE to the following named street in the BOROUGH OF BROOKLYN:

THIRTY-FIRST WARD, SECTION 21.

WEST EIGHTH STREET—CLOSING, from Surf Avenue to High Water line; confirmed July 30, 1915; entered September 21, 1915. Area of assessment includes all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Brooklyn, in The City of New York, and contained within the lines of the discontinued and closed West 8th Street, extending from Surf Avenue to High Water line.

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, 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 Nov. 20, 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, September 21, 1915. s24,05

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE TO 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.

LOTT AVENUE—REGULATING, GRADING, CURBING AND FLAGGING, from Bristol Street to Rockaway Avenue. Area of Assessment: both sides of Lott Avenue from Bristol Street to Rockaway Avenue and to the extent of half the block at the intersecting and terminating streets.

TWENTY-SIXTH WARD, SECTION 13.

CLEVELAND STREET—PAVING, from Blake Avenue to Dumont Avenue. Area of Assessment: both sides of Cleveland Street from Blake Avenue to Dumont Avenue, to the extent of half the block at the intersecting avenue.

TWENTY-NINTH WARD, SECTION 16.

EAST SEVENTH STREET—REGULATING, GRADING, CURBING AND FLAGGING, from Ditmas Avenue to 18th Avenue. Area of Assessment: both sides of East 7th Street from Ditmas Avenue to 18th Avenue and to the extent of half the block at the intersecting avenue.

THIRTIETH WARD, SECTION 17.

FIFTIETH STREET—PAVING, from Fort Hamilton Avenue to a point 215 ft. west of 11th Avenue. Area of Assessment: affects lots 31 and 37 in Block 5646 and Lots 30 and 61 in Block 5639.

FIFTY-FOURTH STREET—PAVING, between 8th and 9th Avenue. Area of Assessment: both sides of 54th Street from 8th to 9th Avenues and to the extent of half the block at the intersecting avenues.

SIXTEENTH AVENUE — REGULATING, GRADING, PAVING AND FLAGGING, from 60th Street to Seabeach Railroad. Area of Assessment: both sides of 16th Avenue from 60th Street to 63rd Street and to the extent of 100 ft. East and West of said avenue.

SEVENTEENTH AVENUE — SEWER BASIN on the West corner of 17th Avenue and 67th Street. Area of Assessment affects Lot 8 in Block 5567.

THIRTIETH WARD, SECTION 18.

SEVENTY-SIXTH STREET — PAVING, from 4th to 5th Avenues. Area of assessment: both sides of 76th Street from 4th to 5th Avenue, to the extent of half the block at the intersecting avenues.

THIRTIETH WARD, SECTION 19.

EIGHTEENTH AVENUE AND SEVENTY-SIXTH STREET—SEWER BASIN at the Easterly corner. Area of Assessment affects Block 6227.

THIRTY-FIRST WARD, SECTION 20.

EAST THIRTEENTH STREET—REGULATING, GRADING, PAVING AND FLAGGING, between Avenues K. and L. Area of Assessment: both sides of East 13th Street from Avenues K to L and to the extent of half the block at the intersecting avenues.

THIRTY-SECOND WARD, SECTION 23.

EAST TWENTY-SEVENTH STREET—SEWER, from Avenue M to N. Area of Assessment: affects Blocks 7662 and 7663.

The above entitled assessments were entered on the day hereinbefore mentioned 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 November 20, 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, September 21, 1915. s24,o5

## 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:

SECOND AND FOURTH WARDS.

SEWER IN FULTON STREET from Vanderveer Avenue to Ocean View Avenue, and in OCEAN VIEW AVENUE from Fulton Street to Ridgewood Avenue. Area of Assessment: affects block 2813 in the Second Ward and Block 1 to 44, 50, 52, 54, 56, 60, 61, 62, 64 to 84, 116 to 124 and 126 in the Fourth Ward.

—that the same were confirmed by the Board of Assessors September 21, 1915, and entered September 21, 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 November 20, 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, September 21, 1915. s24,o5

## 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 12 o'clock Noon on

**FRIDAY, OCTOBER 1, 1915,**
**Borough of Brooklyn.**

CONTRACT NO. 1473.

FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR BUILDING A FREIGHT SHED WITH APPURTENANCES ON THE PIER NEAR THE FOOT OF 35TH STREET, in THE BOROUGH OF BROOKLYN.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 260 calendar days for the inner portion of the shed, and 400 calendar days for the entire shed.

The amount of security required is $120,000.00.

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. 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 September 17, 1915. s20,o1

**☞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 Municipal Building, Manhattan, until 11 o'clock a. m., on

**MONDAY, OCTOBER 11, 1915,**

FURNISHING AND DELIVERING 125 TONS ICE.

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) 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 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. s30,o11

**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

SEALED BIDS OR PROPOSALS WILL BE received by the Commissioner of Correction at Municipal Building, Borough of Manhattan, until eleven o'clock A. M. on

**MONDAY, OCTOBER 11, 1915,**

FURNISHING ALL LABOR AND MATERIAL NECESSARY OR REQUIRED TO ERECT A GALVANIZED WIRE GUARD FENCE AT NEW HAMPTON FARMS, NEW HAMPTON, ORANGE COUNTY, NEW YORK.

The time for the completion of the work and the full performance of the contract is by or before forty (40) working days.

The amount of Security required is thirty (30) per cent. of the amount of bid or estimate.

Bids will be compared and the contract awarded at a lump or aggregate sum.

Blank forms and further information may be obtained at the office of the Department of Correction, the Borough of Manhattan, Municipal Building, Centre and Chambers Streets, New York City.

KATHARINE BEMENT DAVIS, Commissioner. s30,o11

**☞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 Municipal Building, Manhattan, until 11 o'clock A. M.

**THURSDAY, SEPTEMBER 30, 1915,**

TO PROVIDE ALL NECESSARY LABOR AND MATERIALS FOR INSTALLING A NEW *FIREPROOF* WINDOW IN THE SOUTHERLY WALL OF MALE HALL, WORKHOUSE, BLACKWELL'S ISLAND.

The time for the completion of the work and the full performance of the contract is by or before sixty consecutive working days.

The amount of security required is thirty (30) per cent. of the amount of bid or estimate.

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 Charles B. Meyers, Architect, No. 1 Union Square West, Borough of Manhattan, New York City.

KATHARINE BEMENT DAVIS, Commissioner. s20,30

**☞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 Room 1840, Municipal Building, Borough of Manhattan, City of New York, until 12 M. on

**MONDAY, OCTOBER 11, 1915,**

FOR FURNISHING AND DELIVERING OFFICIAL AND SAMPLE BALLOTS FOR CANDIDATES, OFFICIAL AND SAMPLE BALLOTS FOR CONSTITUTIONAL AMENDMENTS AND PROPOSITIONS, AND OFFICIAL AND SAMPLE REVISED CONSTITUTION BALLOTS FOR GENERAL ELECTION, NOVEMBER 2, 1915.

The time for the delivery of the ballots and the performance of the contract is ten (10) calendar days.

The amount of security required is fifty (50) per cent. of the total amount for which the contract is awarded.

The bids will be compared and the contract awarded "in aggregate for all items."

The Board of Elections reserves the right to make any changes or corrections in the copy that it may deem advisable, or that shall be made necessary by the orders of courts of competent jurisdiction up to within forty-eight (48) hours of the time for the delivery of the ballots.

As delivery of all of the ballots on time is absolutely essential, all night and Sunday work that shall be necessary to insure such prompt deliveries shall be performed, the cost of same to be included in the price bid, as no allowance can or will be made for such extra work.

Blank forms and other information may be obtained at the General Office of the Board of Elections, 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, September 29th, 1915. s29,o11

**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

## DEPARTMENT OF EDUCATION.

**Proposals.**

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Supplies, at the office of the Superintendent of School Supplies, Park avenue and 59th street, Manhattan, until 11 A. M., on

**MONDAY, OCTOBER 11, 1915,**

FOR FURNISHING AND DELIVERING DIRECT TO EACH SCHOOL KITCHEN UTENSILS FOR THE SCHOOLS OF THE CITY OF NEW YORK, BOROUGH OF MANHATTAN.

The time for the delivering 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%) per cent. of the amount of the contract.

The bidder will state the price of each item or article contained in the specifications herein contained or hereto annexed, by which the bids will be tested.

Award will be made to the lowest bidder on each item whose sample is equal to the Board sample submitted for inspection or referred to by catalogue number. The said reference is made only as a means of briefly describing the article called for.

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, the Borough of Manhattan, corner of Park ave. and 59th st.

PATRICK JONES, Superintendent of School Supplies.

Dated, September 29, 1915. s29,o11

**☞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 three o'clock p. m., on

**MONDAY, OCTOBER 11, 1915,**

NO. 5:—FOR FURNISHING AND DELIVERING NEW PIANOS TO VARIOUS SCHOOLS (OLD BUILDINGS) IN THE BOROUGHS OF MANHATTAN, THE BRONX, BROOKLYN, QUEENS AND RICHMOND.

The time allowed to complete the whole work will be one hundred and thirty (130) working days, as provided in the contract.

The amount of security required is One Hundred Dollars ($100) per instrument on each item.

Bids will be considered by the Committee on Buildings only when made by the manufacturers.

Bidders must indicate on the outside of the envelope containing the bids the number of instruments bid for under each item.

Bidders must state in the bid what action is to be supplied, and length of Grand Pianos.

A separate proposal must be submitted for each piano and award will be made thereon.

The deposit accompanying bid for each piano shall be five per centum of the amount of security.

*Important.*

Each bid or estimate must be accompanied by a statement showing the average prices obtained by the bidder in the wholesale trade, exclusive of sales to his own retail stores, for instruments of like grade, size and quality as those he at this time bids for. The average to be compiled from wholesale sales made, as aforesaid, during the three months next prior to the date of the bid.

This statement shall be in the form of an affidavit, executed before a Notary Public, and made by one of the firm submitting the bid; and shall be certified to by a certified public accountant, who shall certify that the prices quoted are true, without discount or rebate, and in accordance with the foregoing paragraph.

The statement shall be placed in a sealed envelope, which shall be marked "Price List," and shall have on the outside the name of the bidder. This shall be enclosed in the envelope containing the bid at the time that same is submitted to the Bid Clerk.

The statements which are so submitted are for the information of the Committee on Buildings, and will not, under any circumstances, be made public without the written consent of the bidder.

Any bid or estimate which is not accompanied by such a statement as is hereinbefore described will be considered as informal and invalid, and by reason of such failure, the said bid or estimate so accompanied will be so adjudged and treated.

On No. 5, the bidders must state the price of each item, by which the bids will be tested.

Blank forms 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, September 29, 1915. s29,o11

**☞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 three o'clock P. M., on

**MONDAY, OCTOBER 11, 1915,**
**Borough of The Bronx.**

NO. 2:—FOR CORK TILING FOR FLOOR OF GYMNASIUM IN PUBLIC SCHOOL 28, ON THE WEST SIDE OF ANTHONY AVENUE, BETWEEN TREMONT AVENUE AND MT. HOPE PLACE, BOROUGH OF THE BRONX.

The time allowed to complete the whole work will be Fifteen (15) working days.

The amount of security required is Eight Hundred Dollars ($800).

The deposit accompanying bid shall be five per centum of the amount of security.

NO. 3:—FOR ITEM 1, INSTALLING HEATING AND VENTILATING APPARATUS, AND ITEM 2, INSTALLING TEMPERATURE REGULATION IN NEW PUBLIC SCHOOL 48, ON THE SOUTHERLY SIDE OF SPOFFORD AVENUE, BETWEEN FAILE AND COSTER STREETS, BOROUGH OF THE BRONX.

The time allowed to complete the whole work on each Item will be One Hundred (100) working days, as provided in the contract.

The amount of security required is as follows: Item 1, $30,000; Item 2, $2,000.

A separate proposal must be submitted for each Item and award will be made thereon.

The deposit accompanying bid on each Item shall be five per centum of the amount of security.

**Borough of Richmond,**

NO. 4:—FOR INSTALLING ELECTRIC EQUIPMENT IN NEW 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 Ninety (90) working days, as provided in the contract.

The amount of security required is Two Thousand ($2,000) Dollars.

The deposit accompanying bid shall be five per centum of the amount of security.

On Nos. 2 and 4, the bids wil be compared and the contract will be awarded in a lump sum to the lowest bidder on each contract.

On No. 3, the bidders must state the price of each item, by which the bids will be tested.

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, for work for their respective boroughs.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated, September 29, 1915. s29,o11

**☞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 three o'clock P. M., on

**MONDAY, OCTOBER 11, 1915,**
**Borough of Brooklyn.**

NO. 1:—FOR ITEM 1, GENERAL CONSTRUCTION, ALSO ITEM 2, PLUMBING AND DRAINAGE OF ADDITIONS TO AND ALTERATIONS IN PUBLIC SCHOOL 89, IN THE NORTHERLY SIDE OF NEWKIRK AVENUE, BETWEEN EAST 31ST AND EAST 32ND STREETS, BOROUGH OF BROOKLYN.

The time allowed to complete the whole work on each Item will be One Hundred and Twenty-five (125) working days, as provided in the contract.

The amount of security required is as follows: Item 1, $15,000; Item 2, $1,800.

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.

*Important.*

Attention of all intending bidders is expressly called to the printed addenda which has been inserted in the specifications.

On No. 1, the bidders must state the price of each item, by which the bids will be tested.

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, September 29, 1915. s29,o11

**☞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, Park Avenue and 59th Street, Manhattan, until three o'clock P. M., on

**MONDAY, OCTOBER 4, 1915,**
**Borough of The Bronx,**

NO. 1. FOR ITEM 1, INSTALLING HEATING AND VENTILATING APPARATUS; ITEM 2, INSTALLING TEMPERATURE REGULATION; ITEM 3, INSTALLING BOILERS AND FORCED DRAFT APPARATUS; ITEM 4, INSTALLING STEAM ENGINES AND GENERATORS, AND ITEM 5, INSTALLING ELECTRIC ASH HOIST, IN THE EVANDER CHILDS HIGH SCHOOL, ON EAST 184TH STREET AND FIELD PLACE, BETWEEN CRESTON AND MORRIS AVENUES, BOROUGH OF THE BRONX.

The time allowed to complete the whole work on each item will be one hundred and twenty (120) working days, as provided in the contract.

The amount of security required is as follows:

Item 1, $30,000; Item 2, $2,000; Item 3, $3,000; Item 4, $4,000; Item 5, $500.

A separate proposal must be submitted for each item, and award will be made thereon.

The deposit accompanying bid on each item shall be five per centum of the amount of security.

NO. 2. FOR INSTALLING PREVOCATIONAL SHOP EQUIPMENT IN PUBLIC SCHOOL 42, WASHINGTON AVENUE AND CLAREMONT PARKWAY, BOROUGH OF THE BRONX.

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 Four Hundred Dollars ($400).

The deposit accompanying bid shall be five per centum of the amount of security.

NO. 3. FOR INSTALLING ELECTRIC EQUIPMENT IN NEW PUBLIC SCHOOL 48, ON THE SOUTHERLY SIDE OF SPOFFORD AVENUE, BETWEEN COSTER AND FAILE STREETS, BOROUGH OF THE BRONX.

The time allowed to complete the whole work will be One Hundred and Thirty (130) working days, as provided in the contract.

The amount of security required is Five Thousand Dollars ($5,000).

The deposit accompanying the bid shall be five per centum of the amount of security.

**Borough of Queens.**

NO. 4. FOR INSTALLING ELECTRIC EQUIPMENT IN NEW PUBLIC SCHOOL 41, ON THE NORTHEASTERLY CORNER OF CROCHERON AND FRANKLIN AVENUES, BAYSIDE, BOROUGH OF QUEENS.

The time allowed to complete the whole work will be One Hundred (100) working days, as provided in the contract.

The amount of security required is Two Thousand Dollars ($2,000).

The deposit accompanying bid shall be five per centum of the amount of security.

On No. 1 the bidders must state the price of each item by which the bids will be tested.

On Nos. 2, 3 and 4 the bids will be compared and the contracts 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. 69 Broadway, Flushing, Borough of Queens.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated September 22, 1915. s22,o4

**☞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, New York City, until 2 o'clock P. M., on

**WEDNESDAY, OCTOBER 6, 1915,**

NO. 1. FOR THE CONSTRUCTION OF RECEIVING BASINS ON THE SOUTHEAST CORNER OF EIGHTH AVENUE AND 111TH STREET, AND 79 OTHER POINTS IN THE BOROUGH OF MANHATTAN (2 CONTRACTS). CONTRACT NO. 1. PROVIDES FOR THE CONSTRUCTION OF ALL BASINS SOUTH OF 59TH STREET.

The engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required is as follows:

1,125 lineal feet of 12" Vitrified Pipe Culvert, complete.
7 Manholes, complete.
37 Receiving Basins (granite head), complete.
100 cu. yds. of Rock excavated and removed.
10,000 ft. B. M. of Timber and Planking for bracing and sheeting.
1 Inlet (Type "A"), complete.
1 Inlet (Type "B"), complete.
15 cu. yds. of Concrete (Class "A").
15 cu. yds. of Brick Masonry.
75 cu. yds. of extra Earth Excavation.
500 lbs. of Structural Steel or Steel Reinforcement Bars.
258 lineal ft. of Curb restored and reset in Concrete.
792 sq. ft. of Concrete Sidewalk restored.
1,188 sq. ft. of Bluestone Flag restored or relaid.
310 sq. yds. of Paving.

The time allowed for constructing and completing the basins and appurtenances will be Forty-five (45) consecutive working days.

The amount of security required will be Four Thousand Dollars ($4,000), and the amount of deposit accompanying the bid shall be five per cent. (5%) of the amount of security.

NO. 2. FOR THE CONSTRUCTION OF RECEIVING BASIN ON THE SOUTHEAST CORNER OF EIGHTH AVENUE AND 111TH STREET, AND 79 OTHER POINTS IN THE BOROUGH OF MANHATTAN (2 CONTRACTS). CONTRACT NO. 2 PROVIDES FOR THE CONSTRUCTION OF ALL BASINS NORTH OF 59TH STREET.

The engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required is as follows:

1,195 lineal feet of 12" Vitrified Pipe Culvert, complete.
4 Manholes, complete.
35 Receiving Basins (granite head), complete.
500 cu. yds. of Rock excavated and removed.
10,000 feet B. M. of Timber and Planking for bracing and Sheeting.
1 Inlet (Type "A"), complete.
10 cu. yds. of Concrete (Class "A").
10 cu. yds. of Brick Masonry.
100 cu. yds. of extra Earth excavation.
500 lbs. of Structural Steel or Steel Reinforcement Bars.
220 lineal ft. of Curb restored and reset in Concrete.
760 sq. ft. of Concrete Sidewalk restored.
1,140 sq. ft. Bluestone Flag restored or relaid.
165 sq. yds. of Paving.

The time allowed for constructing and completing the basins and appurtenances will be Forty-five (45) consecutive working days.

The amount of security required will be Four Thousand Dollars ($4,000), and the amount of deposit accompanying the bid shall be five per cent. (5%) of the amount of security.

NO. 3. FOR THE CONSTRUCTION OF RECEIVING BASINS ADJACENT TO THE SOUTHWEST CORNER OF EAST 62ND STREET AND MADISON AVENUE, AND 24 OTHER POINTS IN THE BOROUGH OF MANHATTAN

The engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required is as follows:

785 lineal ft of 12" Vitrified Pipe Culvert, complete.
1 Manhole, complete.
25 Receiving Basins (granite head), complete.
250 cu. yds. of Rock excavated and removed.
10,000 ft. B. M. of Timber and Planking for bracing and sheeting.
1 Inlet (Type "A"), complete.
10 cu. yds. of Concrete (Class "A").
10 cu. yds. of Brick Masonry.
100 cu. yds. of extra Earth excavation.
500 lbs. of Structural Steel or Steel Reinforcement Bars.
210 lineal ft. of Curb restored and reset in Concrete.
914 sq. ft. of Concrete Sidewalk restored.
1,371 sq. ft. Bluestone Flag restored or relaid.
155 sq. yds. of Paving.

The time allowed for constructing and completing the basins and appurtenances will be Thirty (30) consecutive working days.

The amount of security required will be Four Thousand Dollars ($4,000), and the amount of deposit accompanying the bid shall be five per cent. (5%) of the amount of security.

NO. 4. FOR THE CONSTRUCTION OF RECEIVING BASINS ON AMSTERDAM AVENUE ADJACENT TO THE NORTHWEST CORNER OF WEST 67TH STREET, AND AT 28 OTHER POINTS IN THE BOROUGH OF MANHATTAN.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required is as follows:

810 lin. ft. of 12" Vitrified Pipe Culvert, complete.
10 Manholes, complete.
29 Receiving Basins (granite head), complete.
300 cu. yds. of Rock excavated and removed.
9,000 feet B. M. of Timber and Planking for bracing and sheeting.
1 Inlet (Type "A"), complete.
1 Inlet (Type "B"), complete.
10 cu. yds. of Concrete (Class "A").
10 cu. yds. of Brick Masonry.
60 cu. yds. of extra Earth Excavation.
500 lbs. of Structural Steel or Steel Reinforcement Bars.
200 lineal ft. of Curb restored and reset in Concrete.
650 sq. ft. of Concrete Sidewalk restored.
900 sq. ft. of Bluestone Flag restored or relaid.
175 sq. yds. of Paving.

The time allowed for constructing and completing the basins and appurtenances will be Thirty-five (35) consecutive working days.

The amount of security required will be Four Thousand Dollars ($4,000), and the amount of deposit accompanying the bid shall be five per cent. (5%) of the amount of security.

The bidder will state the price for each item or article contained in the specifications or schedules herein contained or hereto annexed, per foot, yard or other unit of measure or article, by which the bid will be tested. The contract, if awarded, will be awarded for the whole work at a lump sum.

Blank forms may be had and the plans and drawings may be seen at the offices of the Commissioner of Public Works, Municipal Building, Bureau of Sewers, Room 2103, Borough of Manhattan.

MARCUS M. MARKS, President.

Sep. 25, 1915. s25,o6

**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

## BOROUGH OF RICHMOND.

### Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Richmond at Borough Hall, St. George, New Brighton, N. Y. City, until 12 o'clock M., on

**TUESDAY, OCTOBER 5, 1915,**
**Borough of Richmond.**

NO. 1. FOR CONSTRUCTING A TEMPORARY SANITARY SEWER, WITH THE NECESSARY APPURTENANCES, IN CASTLETON AVENUE FROM KISSEL AVENUE TO BRIGHTON AVENUE, AND A SANITARY SEWER IN CASTLETON AVENUE FROM BRIGHTON AVENUE TO HAVENWOOD ROAD, ETC., TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required is as follows:

3,840 linear feet of vitrified pipe sewer of 8 inches interior diameter, complete, as per section on plan of the work.
620 linear feet of vitrified pipe sewer of 6 inches interior diameter, complete, as per section on plan of the work.
364 vitrified pipe spurs of 6 inches interior diameter on 8-inch pipe sewer, furnished and placed.
42 vitrified pipe spurs of 6 inches interior diameter on 6-inch pipe sewer, furnished and placed.
26 manholes, complete, as per section on plan of the work.
1,000 B. M. feet of foundation timber and planking, furnished, placed and secured.
4,000 B. M. feet of sheeting, retained.
2 cubic yards of additional concrete, class "D," for cradle, etc., furnished and placed.
5 cubic yards of additional excavation.
5 cubic yards of additional filling.
1 cubic yard of additional brick masonry.
3 cubic yards of broken stone ballast, furnished and placed.
20 linear feet house sewers, not intercepted, extended and connected.
920 square yards of Tar macadam pavement, restored.
3 square yards of brick pavement on concrete foundation, restored.
65 square yards of block pavement on sand foundation, restored.
45 square feet of concrete crosswalk, restored.

The time for the completion of the work and the full performance of the contract is one hundred and fifteen (115) days.

The amount of security required is Thirty-nine Hundred Dollars ($3,900).

NO. 2. FOR REGULATING, GRADING AND PAVING BARRETT BOULEVARD FROM DUER LANE TO THE WEST HOUSE LINE OF HAVENWOOD ROAD, FRELINGHUYSEN ROAD FROM DUER LANE TO HAVENWOOD ROAD, AND HAVENWOOD ROAD FROM BARRETT BOULEVARD TO CASTLETON AVENUE, TOGETHER WITH ALL WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantity and quality of the material and the nature and extent, as near as possible, of the work required is as follows:

6,260 Cu. yds. of excavation.
7,570 Lin. ft. of cement curb with steel guard.
2,015 Sq. yds. of vitrified brick gutters.
13,674 Sq. yds. of bituminous macadam pavement.
19,500 Sq. ft. of cement sidewalk.
10,100 Sq. ft. of old sidewalk relaid.
345 Cu. yds. of concrete foundation.
2 Cu. yds. of reinforced concrete.
100 lin. ft. of 10-inch vitrified drain pipe.

The time for the completion of the work and the full performance of the contract is Ninety (90) days.

The amount of security required is Ten thousand nine hundred Dollars ($10,900).

The contracts must be bid for separately, and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Bidders are requested to make their bids or estimates upon the blank form prepared by the President, a copy of which, with the proper envelope in which to enclose the bid, can be obtained upon application therefor at the office of the Assistant Commissioner of Public Works. The plans and the contract, including the specifications, in the form approved by the Corporation Counsel, may be seen and other information obtained at the office of the Assistant Commissioner of Public Works of the Borough of Richmond, Borough Hall, St. George, S. I.

CALVIN D. VAN NAME, President.

New York September 20th, 1915. s24,o5

**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

## BOARD OF ESTIMATE AND APPORTIONMENT.

### Notices of Public Hearings.

PUBLIC IMPROVEMENT MATTERS.

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on September 17th, 1915, the Board continued until October 1st, 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, October 1st, 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 southerly 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.

(The map showing the area of assessment in this proceeding is on file in the office of the Chief Engineer of the Board, Room 1347, Municipal Building.)

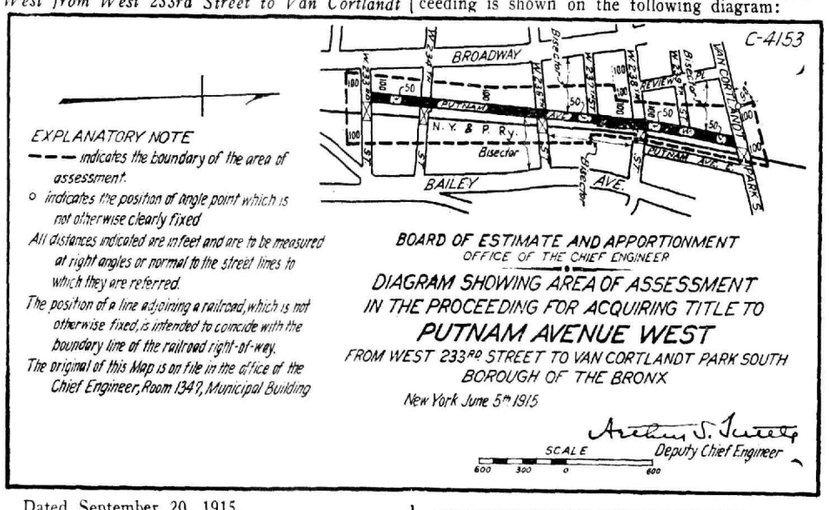
Dated September 20, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. s20,30

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on September 17, 1915, *the Board continued until October 1st, 1915, the hearing in the matter of acquiring title to Putnam Avenue West from West 233rd Street to Van Cortlandt Park South, Borough of The Bronx.*

*The hearing will be held in the City Hall, Borough of Manhattan, City of New York, on Friday, October 1st, 1915, at 10 o'clock a. m.*

The proposed area of assessment in the proceeding is shown on the following diagram:




Dated September 20, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. s20,30

### Notice of Public Hearings.

FRANCHISE MATTERS.

PUBLIC NOTICE IS HEREBY GIVEN THAT at the meeting of the Board of Estimate and Apportionment, held this day, the following resolutions were adopted:

Whereas, The Jay Street Connecting Railroad has, under date of April 13, 1915, made application to this Board for a modification of the terms and conditions of a certain contract dated June 29, 1911, granting said Company a franchise for the construction, maintenance and operation of railroad tracks in and across certain streets in the Borough of Brooklyn; and

Whereas, Sections 72, 73 and 74 of the Greater New York Charter, as amended by Chapters 629 and 630 of the Laws of 1905, and Chapter 467 of the Laws of 1914, provide for the manner and procedure of making such grants; and

Whereas, In pursuance of such laws, this Board adopted a resolution on April 16, 1915, fixing the date for public hearing thereon as May 14, 1915, at which citizens were entitled to appear and be heard, and publication was had for at least two (2) days in the "Brooklyn Daily Eagle" and "Brooklyn Times," newspapers designated by the Mayor, and in the City Record for ten (10) days immediately prior to the date of hearing, and the public hearing was duly held on such day; and

Whereas, This Board has made inquiry as to the proposed modification and amendment of said contract of June 29, 1911; now, therefore, it is

Resolved, That the following form of resolution for the consent or right applied for by The Jay Street Connecting Railroad, containing the form of proposed contract for the grant of such right, be hereby introduced and entered in the minutes of this Board, as follows, to wit:

*Resolved*, That the Board of Estimate and Apportionment hereby consents to certain modifications in the terms and conditions of the said contract of June 29, 1911, such modified terms and conditions being fully set forth and described in the following form of proposed contract for the grant thereof, embodying such terms and conditions as modify or alter said contract of June 29, 1911, which said contract otherwise remains unchanged as to all the other terms and conditions expressed therein, and that the Mayor of The City of New York be and he hereby is authorized to execute and deliver such contract in the name and on behalf of The City of New York, as follows, to wit:

PROPOSED FORM OF CONTRACT.

THIS CONTRACT, made and executed in duplicate this day of , 1915, by and between THE CITY OF NEW YORK (hereinafter called the City), party of the first part, by the Mayor of said City, acting for and in the name of said City, under and in pursuance of the authority of the Board of Estimate and Apportionment of said City (hereinafter called the Board), and THE JAY STREET CONNECTING RAILROAD (hereinafter called the Company), party of the second part, WITNESSETH:

WHEREAS, By contract dated June 29, 1911, the City granted to the Company the franchise, right and privilege to construct, maintain and operate railroad tracks in, upon and along certain streets in the Borough of Brooklyn, named in said contract, and shown upon a map thereto

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on September 17th, 1915, the Board continued until October 1st, 1915, the hearing in the matter of acquiring title to Flatbush Avenue from the southerly limit of the land heretofore acquired for this street, near Avenue U, to the northerly bulkhead line of Rockaway Inlet, Borough of Brooklyn.

The hearing will be held in the City Hall, Borough of Manhattan, City of New York, on Friday, October 1st, 1915, at 10 a. m.

The following is the proposed area of assessment in the proceeding:

Beginning at a point on the prolongation of a line distant 100 feet northwesterly from and parallel with the northwesterly line of Avenue T, the said distance being measured at right angles to Avenue T, distant 125 feet southwesterly from the prolongation of the southwesterly line of East 31st Street, and running thence northeastwardly along the said line parallel with Avenue T, and along the prolongation of the said line to the intersection with a line midway between East 62d Street and East 63d Street, as these streets are laid out between Avenue T and Avenue U; thence southeastwardly along the said line midway between East 62d Street and East 63d Street, and along the prolongation of the said line to the intersection with the southerly bulkhead line of Mill Basin; thence generally eastwardly along the southerly bulkhead line of Mill Basin to the intersection with the westerly bulkhead line of Jamaica Bay; thence southwardly along the westerly bulkhead line of Jamaica Bay to the intersection with the northerly bulkhead line of Rockaway Inlet; thence generally westwardly along the northerly bulkhead line of Rockaway Inlet to the intersection with the easterly bulkhead line of Gerritsen Basin; thence generally northwardly along the easterly and northerly bulkhead lines of Gerritsen Basin to the intersection with a line parallel with East 31st Street and passing through the point of beginning; thence northwardly along the said line parallel with East 31st Street to the point or place of beginning; excepting such land as may fall within the bulkhead lines of Mill Basin and of Deep Creek Basin.

(The map showing the area of assessment in this proceeding is on file in the office of the Chief Engineer of the Board, Room 1347, Municipal Building.)

Dated September 20th, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. s20,30

NOTICE IS HEREBY GIVEN THAT AT THE meeting of the Board of Estimate and Apportionment held on September 17, 1915, the Board *continued until October* 1, 1915, the hearing in the matter of acquiring title to Gerritsen Avenue from the northerly line of Avenue U as laid out east of Gerritsen Avenue to Avenue X, Borough of Brooklyn.

The hearing will be held in the City Hall, Borough of Manhattan, City of New York, on Friday, October 1, 1915, at 10 o'clock a. m.

The following is the proposed area of assessment in the proceeding:

Bounded on the north by a line midway between Avenue S and Avenue T as these streets are laid out east of Gerritsen Avenue, and by the prolongation of the said line; on the east by the westerly pierhead and bulkhead line of Gerritsen Basin and the prolongation thereof; on the south by a line distant 1,000 feet southerly from and parallel with the southerly line of Avenue X as this street is laid out east of Gerritsen Avenue and by the prolongation of the said line, the said distance being measured at right angles to Avenue X; and on the west by a line distant 1,000 feet westerly from and parallel with the westerly line of Gerritsen Avenue and by the prolongation of the said line, the said distance being measured at right angles to Gerritsen Avenue.

(The map showing the proposed area of assessment in this proceeding is on file in the office of the Chief Engineer of the Board, Room 1347, Municipal Building.)

Dated September 20, 1915.

JOSEPH HAAG, Secretary, Municipal Building. Telephone, 4560 Worth. s20,30

attached, for the purpose of conveying goods, wares and merchandise; and

WHEREAS, Said contract provided in Section 2, Eighth thereof, that the construction of the tracks authorized thereby should be completed and the railroad placed in full operation within nine (9) months from the date of filing with the Board the consents of abutting property owners, or within nine (9) months from the date of filing an order of the Appellate Division of the Supreme Court confirming the determination of commissioners, appointed pursuant to the Railroad Law, that the railroad tracks authorized by said contract ought to be constructed; and

WHEREAS, Said contract in and by said Section 2, Eighth, further provided that in case the Company failed to construct and place in full operation such railroad tracks within the time thus fixed, the rights and privileges granted by and contained in the said contract should cease and determine; and

WHEREAS, The consents of property owners were filed with the Board on or about August 1, 1911; and

WHEREAS, Pursuant to the terms of said contract, the time for the completion of construction and placing the railroad in full operation expired May 1, 1912; and

WHEREAS, Upon application of the Company, the Board by resolution adopted April 25, 1912, and approved by the Mayor the same day, granted the Company an extension of time to November 1, 1912, within which to complete the construction and place in operation said railroad tracks; and

WHEREAS, The Company did construct certain of the tracks specified in and authorized by the said contract of June 29, 1911, but failed to complete the construction of all of such tracks and place the same in operation within such extended time, to wit, on or before November 1, 1912; and

WHEREAS, The City claims that by reason of such failure, the franchises, rights and privileges granted by said contract, pursuant to the terms thereof, would and should have become forfeited and of no effect on and after said November 1, 1912; and

WHEREAS, The Company thereafter, on April 13, 1915, applied to the Board for the amendment and modification of said contract of June 29, 1911, by striking therefrom all the routes named therein and substituting therefor certain new routes; and

WHEREAS, Among the new routes thus applied for there is included a route which covers the tracks already constructed by the Company as hereinbefore set forth;

NOW, THEREFORE, In consideration of the Company thus applying for the right to maintain and operate the said already constructed tracks, the City hereby agrees to and hereby does waive the claimed forfeiture of the franchise, rights and privileges granted by the said contract of June 29, 1911, occasioned by the failure of the Company to complete construction within the time fixed for said construction, as hereinbefore set forth, and

In further consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby covenant and agree as follows:

SECTION 1. The parties hereto hereby consent, subject to the provisions and conditions hereinafter set forth, to certain modifications and amendments in and to said contract of June 29, 1911, said modifications and amendments to be as follows:

1. All of Section 1 of said contract of June 29, 1911, is hereby stricken out and the following substituted therefor:

"SECTION 1. The City hereby grants to the Company, subject to the conditions and provisions hereinafter set forth, the right and privilege to construct, maintain and operate standard gauge railroad tracks either at the same grade as the surface of the streets, or above or below the grade thereof, as shall be determined by the Public Service Commission for the First District of the State of New York, pursuant to law, for the purpose of conveying goods, wares and merchandise only, together with the poles, wires, conduits or other structures necessary for the operation of said tracks by electric power, in the Borough of Brooklyn, City of New York, the centre lines of which are as followws:

MAIN TRACK.

*A.* One track beginning at a point on the easterly side line of Jay Street about fifty-eight (58) feet northerly from the northerly side line of John Street; thence southwesterly for a distance of about one hundred and thirty (130) feet to a point on the southerly side line of John Street situated about twenty (20) feet eight (8) inches westerly from the westerly side line of Jay Street.

Also two spurs or turnouts from said Track A, as follows:

(1) One spur or turnout beginning at a point in Track A situated about seventy (70) feet from the southerly side line of John Street, measured along the centre line of Track A; thence southwesterly on a curve whose radius is one hundred and fifty (150) feet for a distance of fifty-three (53) feet to a point in John Street; thence continuing in a straight line a distance of about thirty-nine (39) feet to a point in the southerly side line of John Street, which point is about fifty (50) feet six (6) inches from the westerly side line of Jay Street.

(2) One spur or turnout beginning at a point in the centre line of Track A situated about fifty-five (55) feet from the southerly side line of John Street, measured along the centre line of Track A; thence southwesterly on a curve whose radius is one hundred and fifty (150) feet for a distance of fifty-five (55) feet to a point on the southerly side line of John Street situated about ten (10) feet six (6) inches from the westerly side line of Jay Street.

EXTENSIONS.

*B.* Beginning at a point in main Track A about eighty-five (85) feet from the southerly side of John Street measured along the centre of main Track A; thence southwesterly along Jay Street to John Street; thence westerly along John Street to Adams Street; thence southerly along Adams Street and southwesterly across lands of The City of New York, lying under the Manhattan Bridge to Plymouth Street; thence westerly along Plymouth Street to the westerly line of Mair Street.

*C.* Beginning at a point in main Track A in Jay Street, between John Street and the existing bulkhead at the foot of Jay Street and the East River; thence southerly along Jay Street to Plymouth Street; thence easterly along Plymouth Street to the westerly side of Bridge Street.

*D.* Beginning at a point in the line of Extension B hereinabove described on Pymouth Street at or about the centre line of the driveway on the westerly side of the Plaza under the Manhattan Bridge; running thence easterly along Plymouth Street beyond the centre line of Adams Street; thence curving southeasterly along the driveway on the easterly side of the Plaza under the Manhattan Bridge to Water Street and thence easterly along Water Street to the westerly side of Bridge Street.

*E.* Beginning at a point in the westerly side of Main Street at or near its intersection with the southerly side of Plymouth Street; thence southerly along Main Street to the northerly side of Water Street.

CONNECTIONS TO EXTENSION B.

1. One (1) connection to the Arbuckle Sugar Refinery on the northerly side of John Street about two hundred and sixteen (216) feet westerly from the westerly side of Jay Street.

2. One (1) connection to the building of E. W. Bliss Company on the easterly side of Adams Street, about one hundred and fifteen (115) feet northerly from the northerly side of Plymouth Street.

3. One (1) connection to the building of Robert Gair Company on the easterly side of Main Street about ten (10) feet southerly from the southerly side of Plymouth Street.

4. Two (2) connections to the proposed Jay Street Terminal from the easterly side of Main Street, and crossing Main Street to the aforesaid terminal.

CONNECTIONS TO EXTENSION C.

5. One (1) connection to the building of John W. Masury & Son on the southerly side of Plymouth Street about ten (10) feet westerly from the westerly side of Jay Street.

6. One (1) connection to the building of E. W. Bliss Company on the southerly side of Plymouth Street about two hundred (200) feet easterly from the easterly side of Jay Street.

7. One (1) connection to the property of Kirkman & Son on the southeasterly corner of Plymouth and Bridge Streets about sixteen (16) feet southerly from the southerly side of Plymouth Street.

CONNECTIONS TO EXTENSION D.

8. One (1) connection to the building of the Grand Union Tea Company on the easterly side of Pearl Street about twenty-three (23) feet southerly from the southerly side of Water Street.

9. Two (2) connections to a vacant lot owned by Kirkman & Son on the northeasterly corner of Bridge Street and Water Street.

10. One (1) connection to the building of E. W. Bliss Company on the driveway on the easterly side of the Plaza under the Manhattan Bridge, about twenty-four (24) feet southerly from the southerly side of Plymouth Street.

CONNECTIONS TO EXTENSION E.

11. One (1) connection to the building of Robert Gair Company on the easterly side of Main Street about twenty-eight (28) feet southerly from the southerly side of Plymouth Street.

12. One (1) connection to the building of Robert Gair Company on the southerly side of Water Street about seventy-two (72) feet easterly from the easterly side of Main Street.

and to cross such other streets and avenues, named and unnamed, as may be encountered in said routes.

The said tracks, connections, turnouts and switches hereby authorized are shown upon a map entitled:

"Map and Profile showing main line, extensions and connections of The Jay Street Connecting Railroad To accompany amended application dated April 13, 1915, of The Jay Street Connecting Railroad to the Board of Estimate and Apportionment"

and signed by Wm. A. Jamison, President, and L. D. Crear, Engineer; a copy of which is attached hereto, is to be deemed a part of this contract, is to be construed with the text thereof and is to be substantially followed; provided that deviations therefrom and additional connections, turnouts and switches which are consistent with the foregoing description and with the other provisions of this contract may be permitted or ordered by resolution of the Board."

2. All of Section 2, First, of said contract of June 29, 1911, is hereby stricken out.

3. So much of Section 2, Fourth, of said contract of June 29, 1911, reading as follows:

"(*b*) During the first ten (10) years of this contract an annual sum of five hundred dollars ($500).

During the succeeding five (5) years of this contract an annual sum of one thousand dollars ($1,000)."

is hereby stricken out and the following substituted therefor:

"(*b*) The additional sum of five thousand dollars ($5,000) on or before December 31, 1915."

"(*c*) From June 29, 1911, to January 31, 1916, an annual sum of five hundred dollars ($500).

From February 1, 1916, to September 30, 1920, an annual sum of three thousand dollars ($3,000).

From October 1, 1920, to June 29, 1926, an annual sum of four thousand dollars ($4,000)."

4. All of Section 2, Sixth, of said contract of June 29, 1911, is hereby stricken out and the following substituted therefor:

"*Sixth*—Nothing in this contract shall be deemed to affect in any way the right of the City to grant to any person or corporation a franchise or right to use the streets hereinbefore described or any part of them, for railroad purposes, and the Company shall not at any time oppose, but shall consent to the construction and operation of a railroad by any such other corporation or individual which may receive a franchise therefor from the City; provided, however, that nothing in this clause contained shall estop the Company from appearing before the Board and being heard on any application for rights in said streets."

5. All of Section 2, Eighth, of said contract of June 29, 1911, is hereby stricken out and the following substituted therefor:

"*Eighth*—The Company shall complete construction of the main tracks and extensions herein authorized and place the same in full operation on or before April 1, 1916, and each connection within four (4) months after the individual, firm or corporation whose premises are to be connected as herein provided, shall pay, or in writing agree to pay, the cost of construction thereof; otherwise this right shall cease and determine, and all sums paid or which may be deposited with the Comptroller of the City, as hereinafter provided, shall thereupon be forfeited to the City; provided, however, that the Company shall not be obligated to construct any such connection prior to the construction of that portion of any extension herein named with which the premises of the individual firm or corporation are to be connected; provided that the period for completing and placing the tracks, extensions or connections in full operation may be extended by the Board, but the total extension of time shall not exceed in the aggregate six (6) months, except that as to the tracks herein designated and described as Extension D and the connections therefrom the Company shall not be required to construct the same within the time fixed as above, but may construct and place the same, or any portion thereof, in operation at any time during the term of this contract; provided, however, that should the Board notify the Company to construct said Extension D and the connections therefrom or any portion thereof, and place the same in operation, the Company shall construct such tracks, or portion thereof, and place the same in operation within four (4) months from the date of such notification by the Board, provided that the period for completing and placing in operation of the tracks in said Extension D and the connections therefrom, or any such designated portion thereof, may be extended by the Board, but the total extension of time shall not exceed in the aggregate six (6) months; and provided further that when the completion of construction of any of the tracks herein authorized shall be prevented by legal proceedings in any court or by works of public improvement, or by other causes not within the control of the Company, the time for the completion of such construction may be extended for the period of such prevention, but no delay shall be allowed for unless the court proceedings shall be diligently prosecuted by the Company; and provided further that in no case shall such delay be deemed to begin until the Company shall have given written notice to the Board of any such court proceedings or other occasion of delay and deliver to the Board copies of any injunction or other orders and the papers upon which the same shall have been granted, and unless upon the request of the Board the Company shall, in writing, consent that the Board, either in its own name as a party or in the name of the City as a party, may intervene in any such proceedings."

6. Section 2, Ninth, of said contract of June 29, 1911, is hereby amended by striking out in the fourth paragraph thereof the words "if any."

7. All of Section 2, Eleventh, of said contract of June 29, 1911, is hereby stricken out, and the following substituted therefor:

"*Eleventh*—Cars may be operated upon said tracks designated in Section 1 hereof as Main Track A and the spurs or turnouts therefrom numbered 1 and 2 by steam locomotives, which shall be housed or boxed so as to conform with the type commonly known as the "dummy engine," or by any other motive power which may be approved by the Board and consented to by the abutting property owners, in accordance with the provisions of law, and by the Public Service Commission for the First District of the State of New York. Cars may be operated upon the remaining said tracks described in Section 1 hereof by electric power or by any other motive power except locomotive steam power or horse power, which may be approved by the Board and consented to by the abutting property owners, in accordance with the provisions of law, and by the Public Service Commission for the First District of the State of New York. It is understood, however, that no overhead wires, except trolley wires, shall be permitted for the operation of said tracks by electric power."

8. Section 2, Twelfth, of said contract of June 29, 1911, is hereby amended by striking out therefrom the word "passengers" and inserting in lieu thereof the word "pedestrians."

9. Section 2, Nineteenth, of said contract of June 29, 1911, is hereby amended by striking out in the third line thereof the word "street."

10. All of Section 2, Twenty-fifth, of said contract of June 29, 1911, is hereby stricken out and the following substituted therefor:

"*Twenty-fifth*—This grant is upon the express condition that the Company, within thirty (30) days after the signing of this contract by the Mayor, and before anything is done in exercise of the rights conferred hereby, shall deposit with the Comptroller of the City the sum of Five thousand dollars ($5,000), and on or before December 31, 1915, shall deposit with the Comptroller an additional sum of Two thousand five hundred dollars ($2,500), either in money or securities, to be approved by him, both of which sums shall constitute a fund which shall be security for the performance by the Company of all of the terms and conditions of this contract and compliance with all orders of the Board acting under the powers herein reserved, especially those which relate to the payment of the annual charges for the privilege hereby granted, the rendering of efficient public service at reasonable rates, the repairs of the street pavement, the removal of snow and ice, the quality of construction of the railroad and the maintenance of the property in good condition throughout the whole term of this contract, and in case of default in the performance by the Company of such terms and conditions, or compliance with such orders or either or any of them, the City shall have the right to cause the work to be done and the materials to be furnished for the performance thereof after due notice, and shall collect the reasonable cost thereof from the said fund without legal proceedings; or after default in the payment of the annual charges, shall collect the same, with interest, from the said fund after ten (10) days' notice to the Company; or in case of failure to observe the said terms and conditions of this contract and orders of the Board acting hereunder, relating to the obstruction of traffic, the maintenance of gates and flagmen, the Company shall pay a penalty of fifty dollars ($50) per day for each day of violation, all of which sums shall be deducted from said fund.

The procedure for the imposition and collection of the penalties in this contract shall be as follows:

The Board, on complaint made, shall give notice to the Company, directing its President, or other officer, to appear before the Board on a certain day not less than ten (10) days after the date of such notice, to show cause why the Company should not be penalized in accordance with the foregoing provisions. If the Company fails to make an appearance, or, after a hearing appears in the judgment of the Board to be in fault, said Board shall forthwith impose the prescribed penalty, or where the amount of the penalty is not prescribed herein, such amount as appears to the Board to be just, and without legal procedure direct the Comptroller to withdraw the amount of such penalty from the security fund deposited with him. In case of any drafts made upon the security fund the Company shall, upon ten (10) days' notice, pay to the City a sum sufficient to restore said security fund to the original amount of seven thousand five hundred dollars ($7,500), and in default thereof, this contract shall be canceled and annulled at the option of the Board, acting on behalf of the City. No action or proceeding or right under the provisions of this contract shall affect any other legal rights, remedies or causes of action belonging to the City."

11. Section 2 of said contract of June 29, 1911, is hereby further amended by adding at the end thereof the following additional clauses, numbered, respectively, Thirtieth, Thirty-first, Thirty-second, Thirty-third, Thirty-fourth, Thirty-fifth, Thirty-sixth, Thirty-seventh, Thirty-eighth and Thirty-ninth.

*Thirtieth*—The words "Jay Street Terminals" wherever used in this contract shall be deemed to mean the freight yards or terminals, so-called, at the present time lying within the districts generally described as follows:

*Old Terminal:*

Bounded on the north by the East River; bounded on the east by Gold Street; bounded on the south by John Street; bounded on the west by Jay Street.

*New or Proposed Terminal:*

Bounded on the north by the East River; bounded on the east by Main Street; bounded on the south by Water Street; bounded on the west by New Dock Street.

—or as such yards or terminals may hereafter be extended or changed; together with the tracks, connections, turnouts and switches contained in or comprising said yards or terminals, which said yards or terminals are maintained or operated either by the firm or partnership known as The Jay Street Terminal or by any individual, firm or corporation which may acquire or succeed to the rights or interests of the said The Jay Street Terminal in or to either or both of said yards or terminals.

*Thirty-first.*—The words "South Brooklyn Marginal Freight Railroad" wherever used in this contract shall be deemed to mean any freight railroad along or near the water-front in the Borough of Brooklyn, westerly or southwesterly from the tracks or extensions herein authorized, which shall be constructed or operated by the City, or under a contract with the City, any part of which railroad shall be so located that a connection can be made with the tracks or extensions of the Company herein authorized, or with any portion thereof.

*Thirty-second*—The Company hereby agrees that the City shall have, and it hereby grants to the City, the right to use in common with the Company the tracks, structures, equipment and power of the Company, necessary for the operation of cars and locomotives of or from the South Brooklyn Marginal Freight Railroad upon that portion of the tracks and extensions herein authorized, described as follows:

Beginning at a point in Extension B where the same is intersected by the tracks hereinabove described as Extension D; thence westerly along Plymouth Street to the westerly line of Main Street, also southerly along Main Street over the tracks hereinabove described as Extension E, together with all connections, turnouts or sidings which are now or may hereafter be authorized from said Extension E and that portion of Extension B herein described.

Such use shall be permitted to the City upon notice to the Company by resolution of the Board. The compensation to be paid by the City for such use shall be fixed by agreement between the City and the Company. In case of failure of the City and the Company to agree, however, upon such compensation, the City shall nevertheless have the right, after the expiration of thirty (30) days from the date of such notice as above, to make the necessary connection or connections with the tracks above described and thereafter use such tracks for the operation thereon of cars and locomotives of or from the South Brooklyn Marginal Freight Railroad. The compensation to be paid by the City for the use of such tracks, structures, equipment and power shall in such case be determined by arbitrators selected in the manner provided by this contract.

It is agreed that nothing herein contained shall be construed to give to the South Brooklyn Marginal Freight Railroad the right to use the locomotives or rolling stock of any kind of The Jay Street Connecting Railroad.

*Thirty-third*—The City and the Company hereby agree to interchange loaded or empty cars between the railroad of the Company and the South Brooklyn Marginal Freight Railroad at transfer points to be hereafter agreed upon between the City and the Company; the Company on its part and behalf agreeing to accept such cars from said South Brooklyn Marginal Freight Railroad and deliver the same to any point along its railroad, or to the Jay Street Terminals as herein defined, at the same rates as similar service is performed for any individual, firm or corporation served by the Company, and the City on behalf of the South Brooklyn Marginal Freight Railroad agreeing to accept such cars from the railroad of the Company and deliver the same to any point along the said South Brooklyn Marginal Freight Railroad at the same rates as similar service is performed for any individual, firm or corporation served by said South Brooklyn Maringal Freight Railroad.

The City and the Company shall share equally the cost of providing and maintaining the necessary transfer facilities at such points as may be agreed upon as above.

*Thirty-fourth*—It is agreed that the Board, upon six (6) months' notice to the Company, shall have the right to terminate the rights and privileges hereby granted as to Extensions C and D hereinabove described, and all connections therefrom. Such right may be exercised by the Board at any time after the expiration of ten (10) years from and after July 1, 1915, except that in the event the City shall exercise its right to acquire or condemn the remaining tracks of the Company, known and described herein as Main Track, Extension B and Extension E, together with the connections therefrom, and also the terminal property or properties herein defined as the Jay Street Terminals, then the right of the Board to terminate the franchise as to said Extensions C and D and the connections therefrom may be exercised and such termination shall take effect as of the date when the City shall become vested with title to the tracks and property acquired under condemnation proceedings, as herein provided. The right of the Board to terminate the franchise as to Extensions C and D and the connections therefrom shall, however, be upon condition that the City shall pay to the Company an amount to be determined as follows: Beginning with the date of the completion of construction or installation of the tracks, structures and equipment which may be recaptured as herein provided, or of any portion thereof, should said tracks, structures and equipment be constructed or installed at different periods, it shall be assumed that the Company has provided a fund to consist of such payments made annually out of the revenues of the Company, computed at four (4) per cent. compound interest, as will at the end of the term of this contract equal the actual cost of such property when constructed or installed. The accumulations from such fund which may or should have accrued up to the time when the City shall exercise its right of recapture shall be deducted from such actual cost of such tracks, structures and equipment to be recaptured and the remainder shall represent the sum which the City shall pay to the Company for such tracks, structures and equipment; provided, however, that in no event shall the sum to be paid by the City to the Company exceed the actual value of the tracks, structures and equipment to be recaptured, at the time of such recapture, and provided further that no compensation shall be paid to the Company for any tracks, structures or equipment forming or included in any connection with the building or premises of any individual, firm or corporation where such tracks, structures or equipment have been constructed or installed at the expense of such individual, firm or corporation.

At the time of the recapture of the tracks, structures and equipment as herein provided, the Company shall furnish the Board a statement or statements, verified under oath by an officer of the Company, containing in detail the actual cost of such tracks, structures and equipment to be recaptured, the actual value thereof at the time of recapture and also the accumulations which have or should have accrued as the fund above provided for. Should any disagreement arise between the City and the Company as to whether the actual cost of the tracks, structures and equipment when constructed or installed exceeded the fair value thereof at the time of such construction or installation, or as to the actual value of the tracks, structures and equipment at the time of recapture, the question shall be submitted to arbitrators, as hereinafter provided, and the fair value of such tracks, structures and equipment when constructed, as determined by said arbitrators, shall be taken as and for the actual cost thereof for the purposes herein specified.

In case the question of the fair value of the tracks, structures and equipment to be recaptured shall be submitted to arbitrators, as hereinabove provided, and such arbitrators shall determine as such fair value, a sum less than the actual cost of the property as certified by the Company and upon which it is assumed that the aforesaid fund is based, then the amount to be deducted upon the recapture of the property, as hereinabove provided, shall be reduced in a like proportion.

*Thirty-fifth*—The rights hereby granted shall not become operative until the Company shall itself execute and shall procure and cause to be

executed by the firm or partnership known as The Jay Street Terminal, proved in proper form for record, and shall deliver to the Board an agreement whereby and wherein the Company shall consent on behalf of itself, its successors and assigns, to the condemnation by the City of any and all of the remaining tracks known and described herein as Main Track, Extension B and Extension C, together with the connections therefrom and the structures and equipment within the streets and the franchise authorizing the same owned by the Company as part of or in connection with the railroad authorized by this contract or as the same may be hereafter notified. Such consent shall only become operative in the event that the City shall acquire, by condemnation or otherwise, the Jay Street Terminals, as herein defined.

In said agreement the Company shall further agree that in any such condemnation proceeding no award or compensation shall be claimed for the value of the franchise granted by this contract or as the same may be hereafter modified.

Said agreement shall further provide that said The Jay Street Terminal shall agree that during such time as it shall maintain or engage in the business of operating or maintaining a freight terminal, lighterage or car-float service, it will receive, handle and lighter at, to or from the Jay Street Terminals, as herein defined, the cars coming from or destined to the South Brooklyn Marginal Freight Railroad, and furnish the necessary car-float service for the handling or transit of such cars between the Jay Street Terminals as herein defined and any of the trunk line railroads with which they have connection.

The said The Jay Street Terminal shall further agree that the service to be furnished the South Brooklyn Marginal Freight Railroad shall be the same service furnished to the Company and at the same rates as may be charged for similar service to the Company.

*Thirty-sixth*—The Board, upon application of the Company, may by a resolution authorize the construction, maintenance and operation of such further connections, in addition to those herein authorized, as may be necessary to permit the Company to furnish service to any individual, firm or corporation whose building or premises shall be situated on any of the streets or avenues through or along which the Company is herein authorized to construct, maintain and operate its tracks or extensions.

*Thirty-seventh*—The Board may, by resolution, direct the Company to construct such further reasonable and practicable connections, in addition to those herein authorized, as may be necessary to permit the Company to furnish service to any individual, firm or corporation whose building or premises shall be situated on any of the streets or avenues through or along which the Company is herein authorized to construct, maintain and operate its tracks and extensions. The cost of constructing such connections shall be borne by the individual, firm or corporation whose building or premises is so connected. The connections shall, however, when constructed, be the property of the Company and shall be a part of the railroad herein authorized. If and when so directed, the Company agrees to construct and to thereafter maintain and operate such necessary connections and to furnish service to such individual, firm or corporation in the same manner and at the same rates as such class of service is furnished to any other individual, firm or corporation served by the Company. It is agreed by the parties hereto, and it is the intention of this contract, that the Company shall maintain as part of its railroad the connections referred to in this subdivision. Nothing contained in this subdivision shall, however, prejudice the right of the Company to recover the cost of such maintenance from the individual, firm or corporation whose premises may be connected, as herein provided. In case of the failure of the Company to construct any such connection within four (4) months after being so directed by the Board, and after such individual, firm or corporation has paid, or in writing agreed to pay, the cost of construction thereof, or in case of the Company's failure to thereafter maintain and operate the said connections and furnish its service as herein provided, the rights hereby granted may be forfeited by resolution of the Board.

*Thirty-eighth*—Should it be necessary to submit any question or matter to arbitration, pursuant to the terms of this contract, the arbitrators shall be disinterested persons appointed in the following manner:

When the necessity for such arbitration arises, either party may appoint its arbitrator and give written notice of such appointment to the other party. Within thirty (30) days after the receipt of such notice, such other party shall appoint its arbitrator. Within thirty (30) days after the appointment of the second arbitrator, the two arbitrators so appointed shall choose a third arbitrator. A determination concurred in by any two of such arbitrators shall be conclusive and binding upon the parties hereto. Should either party fail to appoint its arbitrator within thirty (30) days after notice from the other party as above, or should the two arbitrators appointed as above fail to choose the third arbitrator within thirty (30) days after their appointment, then the question or matter shall be determined by a referee or commissioner appointed by the Supreme Court on the application of either party. Should no two arbitrators concur in a determination within sixty (60) days after the appointment of all the arbitrators as above, then such submission to adbitrators shall be deemed to have been revoked, any provision of law to the contrary notwithstanding, and no written revocation shall be necessary; the question or matter shall in such case be determined by a referee or commissioner appointed by the Supreme Court on the application of either party.

The compensation and expenses of the said arbitrators or of said referee or commissioner shall be borne jointly by the City and the Company, each paying one-half thereof.

*Thirty-ninth*—This contract and the rights of the parties under it shall at the option of the Company cease and determine if The Jay Street Terminal goes out of the lighterage and terminal business.

12. All of Section 4 of said contract of June 29, 1911, is hereby stricken out and the following substituted therefor:

"SEC. 4. This grant is also upon the further and express condition that all the provisions of the Railroad Law pertinent thereto shall be strictly complied with by the Company."

SECTION 2. The grant of this privilege is subject to the following conditions:

*First*—All the terms, provisions and conditions contained in said contract dated June 29, 1911, excepting those which are herein expressly amended or modified, shall remain unchanged and shall apply to the routes herein described in Section 1 of this contract with the same force and effect as when they applied to the routes described in said contract dated June 29, 1911.

SECTION 3. It is understood and agreed by the parties hereto that the security deposit of Five thousand dollars ($5,000) required by Section 1, clause 10, of this contract to be made "within thirty (30) days after the signing of this contract by the Mayor," refers to and is intended to mean the sum of Five thousand dollars ($5,000) heretofore deposited with the Comptroller of the City, pursuant to the terms of the said contract of June 29, 1911.

SECTION 4. The Company covenants and agrees to abandon and relinquish, and does hereby abandon, surrender and relinquish to the City all of its rights and franchises to construct, maintain and operate a railroad in, upon or across the streets on those portions of the route described in the said contract dated June 29, 1911, which are not covered by the description of the new and amended routes as herein described, and which are not shown on the map of such new and amended routes, a copy of which is attached hereto and made a part hereof.

SECTION 5. The Company promises, covenants and agrees on its part and behalf to conform to and abide by and perform all the terms, conditions and requirements in this contract fixed and contained.

IN WITNESS WHEREOF, The party of the first part, by its Mayor, thereunto duly authorized by the Board of Estimate and Apportionment of said City, has caused the corporate name of said City to be hereunto signed and the corporate seal of said City to be hereunto affixed; and the party of the second part, by its officers, thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, the day and year first above written.

THE CITY OF NEW YORK,
By *Mayor.*

(CORPORATE SEAL.)
Attest:
*City Clerk.*

THE JAY STREET CONNECTING RAILROAD,
By *President.*

(SEAL.)
Attest:
*Secretary.*

(Here add acknowledgments.)

Resolved, That the results of the inquiry made by this Board as to the money value of the proposed franchise and the adequacy of the compensation to be paid therefor and of the terms and conditions are as specified and fully set forth in the said contract dated June 29, 1911, as amended by the foregoing form of proposed contract for the consent to such modifications and alterations.

Resolved, That these preambles and resolutions, including the said resolution for the consent of The City of New York to the modifications and alterations as applied for by The Jay Street Connecting Railroad, and the said form of a proposed contract for the grant of such franchise or right, containing said results of such inquiry, after the same shall be entered in the minutes of this Board, shall be published in full for at least fifteen (15) days immediately prior to Friday, October 1, 1915, in the City Record, together with the following notice, to wit:

NOTICE IS HEREBY GIVEN that the Board of Estimate and Apportionment, before authorizing any contract for the consent of the City to certain modifications and amendments in and to the terms and conditions of the said contract of June 29, 1911, such modifications and amendments being fully set forth and described in the foregoing form of proposed contract for the grant of such franchise or right, and before adopting any resolution authorizing such contract, will, at a meeting of said Board, to be held in Room 16, City Hall, Borough of Manhattan, City of New York, on Friday, October 1, 1915, at 10 o'clock A. M., hold a public hearing thereon, at which citizens shall be entitled to appear and be heard.

Resolved, That a notice of such hearing, stating that copies of the proposed contract and resolution of consent thereto may be obtained by all those interested therein at the Bureau of Franchises, Room 1307, Municipal Building, Centre and Chambers Streets, Borough of Manhattan, shall be published at least twice, at the expense of the proposed grantee, during the ten (10) days immediately prior to Friday, October 1, 1915, in the "Brooklyn Daily Eagle" and "Brooklyn Times," the two daily newspapers in which the petition and notice of hearing thereon have been published.

PROPOSED AGREEMENT.

*Agreement*, made and executed in duplicate this day of , 1915, between THE JAY STREET CONNECTING RAILROAD (hereinafter called the Railroad Company), party of the first part, THE JAY STREET TERMINAL, a partnership formed by and composed of
and (hereinafter called the Terminal Company), party of the second part, and THE CITY OF NEW YORK (hereinafter called the City), party of the third part.

WHEREAS, The Railroad Company, on or about April 13, 1915, applied to the Board of Estimate and Apportionment as the local authority of the City for a modification of its franchise contract dated June 29, 1911, by changing or amending the routes or location of the railroad tracks authorized by said contract and authorizing the construction, maintenance and operation of additional railroad tracks, all of such tracks being within a district in the Borough of Brooklyn, bounded generally as follows:

"On the north by the East River; on the east by Gold Street; on the south by Front Street; on the west by Dock Street and New Dock Street."

and

WHEREAS, On , 1915, a resolution consenting to such amendment or modification of said contract dated June 29, 1911, and authorizing the Mayor to execute and deliver the contract containing such amendment or modification, in the name and on behalf of the City, was approved by the Mayor; and

WHEREAS, Said contract provides that the amendment or modification contained therein shall not become operative until the Railroad Company shall itself execute and procure and cause to be executed by the Terminal Company, proved in proper form for record, and deliver to the Board of Estimate and Apportionment a certain agreement, the terms and conditions of which are fully set forth in said contract:

NOW, THEREFORE, In consideration of the premises and of the sum of One Dollar by each of the parties of the first and second parts to the other paid, the receipt whereof is hereby acknowledged, the parties of the first and second parts do hereby agree with each other and with the party of the third part, as follows:

*First*—The Railroad Company hereby consents, on behalf of itself, its successors and assigns, to the condemnation by the City of any and all tracks, structures and equipment within the streets (except as hereinafter specified) and the franchise authorizing the same, owned by said Railroad Company as part of or in connection with its railroad as the same is authorized by said contract of June 29, 1911, as modified by said contract authorized by said resolution approved by the Mayor 1915, or as the same may be hereafter modified. This consent shall only become operative in the event that the City shall acquire, by condemnation or otherwise, the Jay Street Terminals as defined in said contract of June 29, 1911, as modified by said contract authorized by said resolution approved by the Mayor 1915, or as the same may be hereafter modified.

This provision for condemnation does not apply to that portion of the tracks, structures and equipment of the Railroad Company which is subject to recapture pursuant to the terms of said contract of June 29, 1911, modified as above, or as the same may be hereafter modified.

*Second*—The Railroad Company further agrees that in any such condemnation proceeding no award or compensation shall be claimed by or paid to said Railroad Company for the value of the franchise granted by said contract of June 29, 1911, as modified by said contract authorized by said resolution approved by the Mayor 1915, or as the same may be hereafter modified.

*Third*—The Terminal Company agrees that during such time as it maintains or engages in the business of operating or maintaining a freight terminal, lighterage or car-float service, it will receive, handle and lighter at, to or from the Jay Street Terminals as defined in said contract of June 29, 1911, as modified by said contract authorized by said resolution approved by the Mayor 1915, or as the same may be hereafter modified, cars coming from or destined to the South Brooklyn Marginal Freight Railroad as defined in said contract of June 29, 1911, as modified by said contract authorized by said resolution approved by the Mayor 1915, or as the same may be hereafter modified, and will furnish the necessary car-float service for the handling or transit of such cars between the said Jay Street Terminals and any of the trunk line railroads with which they have connection.

The service to be furnished to the said South Brooklyn Marginal Freight Railroad shall be the same service furnished to the Railroad Company and shall be furnished at the same rates as may be charged by the Terminal Company for similar service to the Railroad Company.

*Fourth*—The foregoing provisions shall be binding upon the said Railroad Company and the said Terminal Company, their successors and assigns.

IN WITNESS WHEREOF, The Railroad Company by its officers thereunto duly authorized, has caused its corporate name to be hereunto signed and its corporate seal to be hereunto affixed, and the Terminal Company has duly executed this agreement, the day and year first above written.

THE JAY STREET CONNECTING RAILROAD,
By *President.*
(SEAL.)
Attest:
*Secretary.*

THE JAY STREET TERMINAL,
By
(Here add acknowledgments.)

Dated New York, August 26, 1915.

JAMES D. McGANN, Assistant Secretary.
Telephone, 4560 Worth. s14,o1

## BOROUGH OF BROOKLYN.

**Proposals.**

SEALED BIDS OR ESTIMATES WILL BE received by the President of Borough of Brooklyn, Room No. 2, Borough Hall, until 11 o'clock A. M., on

**WEDNESDAY, OCTOBER 6, 1915,**

NO. 1. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON BAY 34TH ST., FROM 86TH ST. TO CROPSEY AVE.

The Engineer's Estimate is as follows:
10 cu. yds. excavation.
18,090 cu. yds. fill to be furnished.
4,490 lin. ft. steel bound cement curb (1 year maintenance).
21,630 sq. ft. cement sidewalks (1 year maintenance).
21,650 sq. ft. 6-inch cinder or gravel sidewalk foundation.
Time allowed, 130 working days. Security required, $4,200.

NO. 2. FOR REGULATING AND PAVING WITH PERMANENT ASPHALT PAVEMENT ON A 6-INCH CONCRETE FOUNDATION THE ROADWAY OF DUMONT AVE. FROM CLEVELAND ST. TO ASHFORD ST.

The Engineer's Estimate is as follows:
230 cu. yds. excavation to subgrade.
60 lin. ft. bluestone heading stones set in concrete.
150 cu. yds. concrete.
915 sq. yds. asphalt pavement (5 years maintenance).
Time allowed, 20 working days. Security required, $500.

NO. 3. FOR GRADING THE SIDEWALK SPACE AND LAYING SIDEWALKS ON LINCOLN PL. FROM BUFFALO AVE. TO ROCHESTER AVE.

The Engineer's Estimate is as follows:
50 cu. yds. excavation.
3,330 sq. ft. cement sidewalks (1 year maintenance).
3,330 sq. ft. 6-inch cinder or gravel sidewalk foundation.
Time allowed, 20 working days. Security required, $200.

NO. 4. FOR REGULATING, GRADING, CURBING AND PAVING WITH PERMANENT ASPHALT PAVEMENT ON A 6-INCH CONCRETE FOUNDATION THE ROADWAY OF WILLIAMS AVE. FROM HEGEMAN AVE. TO VIENNA AVE.

The Engineer's Estimate is as follows:
360 cu. yds. excavation.
450 cu. yds. fill to be furnished.
10 lin. ft. old curbstone reset in concrete.
85 lin. ft. bluestone heading stones, set in concrete.
1,210 lin. ft. steel bound cement curb (1 year maintenance).
330 cu. yds. concrete.
1,985 sq. yds. asphalt pavement (5 years maintenance).
Time allowed, 30 working days. Security required, $1,300.

NO. 5. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 23RD AVE. FROM CROPSEY AVE. TO 86TH ST.

The Engineer's Estimate is as follows:
450 cu. yds. excavation.
10,710 cu. yds. fill to be furnished.
20 lin. ft. old stone curb reset in concrete.
4,290 lin. ft. steel bound cement curb (1 year maintenance).
16,970 sq. ft. cement sidewalks (1 year maintenance).
16,970 sq. ft. 6-inch cinder or gravel sidewalk foundation.
1 sewer basin rebuilt.
Time allowed, 90 working days. Security required, $3,000.

NO. 6. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS ON 61ST ST. FROM 17TH AVE. TO 18TH AVE.

The Engineer's Estimate is as follows:
350 cu. yds. excavation.
240 cu. yds. fill to be furnished.
1,540 lin. ft. steel bound cement curb (1 year maintenance).
7,500 sq. ft. cement sidewalks (1 year maintenance).
7,500 sq. ft. 6-inch cinder or gravel sidewalk foundation.
Time allowed, 30 working days. Security required, $900.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per lin. ft., sq. ft., sq. yd. or other unit of measure, by which the bids will be tested. *The bids will be compared and the contract 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 Highways, the Borough of Brooklyn, Room No. 502, No. 50 Court Street, Brooklyn, N. Y.

L. H. POUNDS, President.
Dated Sept. 20, 1915. s24,06

☞**See General Instructions to Bidders on last page, last column, of the "City Record."**

## BOROUGH OF QUEENS.

**Proposals.**

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at Third Floor, Borough Hall, Fifth Street and Jackson Avenue, Long Island City, Borough of Queens, until 11 o'clock a. m. on

**TUESDAY, OCTOBER 5, 1915,**
**Borough of Queens.**

NO. 1. FOR COMPLETING AN ABANDONED CONTRACT EXECUTED BY THE CEMENT WALK AND FLOOR COMPANY ON JULY 23RD, 1914, FOR REGULATING AND GRADING THE SIDEWALK SPACES, CURBING WITH BLUESTONE, LAYING SIDEWALKS AND CROSSWALKS, TOGETHER WITH ALL WORK INCIDENTAL THERETO, IN JEROME AVENUE (BROADWAY) FROM BOYD (PARK) AVENUE TO GREENWOOD AVENUE, 4TH WARD.

The time allowed for doing and completing the above work will be Forty-five (45) working days.

The amount of security required will be Two thousand five hundred ($2,500) Dollars.

The Engineer's estimate of the quantities is as follows:
300 cu. yds. of Earth Excavation.
330 lin. ft. of new bluestone curb, finished and set.
5,000 linear feet of New Bluestone curb, in place, adjusted to line and grade, not to be bid for.
100 sq. ft. of Old Flagstone Sidewalk, retrimmed and relaid.
18,420 sq. ft. of Cement Sidewalk, furnished and laid and one year's maintenance.
650 sq. ft. of New Crosswalks, furnished and laid.
500 sq. ft. of Crosswalks, to be adjusted to line and grade, not to be bid for.
120 sq. yds. of Granite Block pavement, to be furnished and laid to complete crosswalks.
500 sq. yds. of Stone Block Pavement, to be relaid.
120 lin. ft. of 12" Cast Iron Pipe, in place (⅝ inch thick).
3 Seepage Basins complete (Standard, Bureau of Highways).
Maintenance on sidewalk laid by the former Contractor.

The Contractor will be required to maintain approximately 22,905 square feet of cement sidewalk laid by the Cement Walk and Floor Company for a period of one year, as per clause (CC A).

NO. 2. FOR REGULATING AND GRADING, TOGETHER WITH ALL WORK INCIDENTAL THERETO, IN SOUTH STREET FROM NEW YORK AVENUE TO ROCKAWAY TURNPIKE, FOURTH WARD.

The time allowed for doing and completing the above work will be Fifty (50) Working Days.

The amount of security required will be Two thousand five ($2,500) hundred dollars.

The Engineer's estimate of the quantities is as follows:
500 cu. yds. of Earth Excavation.
4,500 cu. yds. of Embankment (in excess of excavation).
5 cu. yds. of Concrete.
225 Sq. Yds. of Stone Gutters, furnished and laid.
1,800 lin. ft. of 12-inch Vitrified pipe, in place.
125 lin. ft. of 10-inch Vitrified Pipe, in place.
12 New Sewer Manholes.
4 Standard corner Sewer Basins.
17 Old Sewer Manholes to be adjusted to the established grade (not to be bid for).

NO. 3. FOR FURNISHING AND DELIVERING 200,000 GALLONS OF LIGHT ROAD OIL OR REFINED TAR OIL IN TANK CARS, AS DIRECTED, IN THE BOROUGH OF QUEENS.

The time allowed for the performance of the contract is on or before November 15th, 1915.

The amount of security required for the performance of the contract shall be thirty (30) per cent. of the total amount for which the contract is awarded.

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.

MAURICE E. CONNOLLY, President.
s24,o5

☞**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 the Borough of Queens at his office, Borough Hall, Fifth Street and Jackson Avenue, Long Island City, until 11 o'clock A. M., on

**THURSDAY, SEPTEMBER 30, 1915,**

FOR THE STEAM HEATING OF THE STABLE AND SECTION HOUSE BUILDING FOR THE BUREAU OF STREET CLEANING OF QUEENS, AT RIDGEWOOD, 2ND WARD, BOROUGH OF QUEENS, AT FLUSHING AVENUE, 135 FEET E. OF METROPOLITAN AVENUE.

The time allowed for doing and completing the above work will be two hundred (200) working days.

The amount of security required will be Fifteen hundred dollars ($1,500).

Bids will be compared and the contracts awarded at a lump or aggregate sum.

Blank forms and further information and the plans and drawings may be seen at the Office of the President of the Borough of Queens.

s20,30 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 the Borough of Queens at his office, Borough Hall, Fifth Street and Jackson Avenue, Long Island City, New York, until 11 o'clock a. m. on

**THURSDAY, SEPTEMBER 30, 1915,**

NO. 1. FOR REGULATING, GRADING, CURBING AND LAYING SIDEWALKS (WHERE NOT ALREADY LAID TO GRADE AND IN GOOD CONDITION) 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 FAIRVIEW AVENUE FROM LINDEN STREET TO GATES 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 one thousand ($1,000) Dollars.

The Engineer's estimate of the quantities is as follows:
25 cu. yds. of Earth Excavation.
25 cu. yds. Embankment, in excess of excavation.
50 lin. ft. of old curb, redressed and reset.
400 lin. ft. Cement Curb, with steel nosing, and one year's maintenance.
1,000 sq. ft. Cement Sidewalk, and one year's maintenance.
120 cu. yds. of Concrete, in place.
700 sq. yds. of Sheet Asphalt Pavement, in-

cluding binder course, and five years maintenance.

50 sq. yds. Brick pavement relaid.

NO. 2. FOR REGULATING AND GRADING THE SIDEWALK SPACES AND LAYING SIDEWALKS (WHERE NOT ALREADY LAID TO GRADE AND IN GOOD CONDITION), TOGETHER WITH ALL WORK INCIDENTAL THERETO, IN PARSONS AVENUE, FROM QUEENS AVENUE TO SANFORD AVENUE, AND IN GEROLD (19TH) STREET, FROM CALIFORNIA (CYPRESS) AVENUE TO A LINE ABOUT 260 FEET NORTH OF FRANCONIA AVENUE, THIRD WARD, ALL IN ACCORDANCE WITH SECTION 435 OF THE GREATER NEW YORK CHARTER.

The time allowed for doing and completing the above work will be forty (40) working days.

The amount of security required will be six hundred ($600) Dollars.

The Engineer's estimate of the quantities is as follows:

350 cu. yds. earth excavation.

50 cu. yds. embankment, in excess of excavation, not to be bid for.

200 sq. ft. New Flagstone Sidewalk.

700 sq. ft. Old Flagstone Sidewalk, retrimmed and relaid

14,400 sq. ft. Cement Sidewalk and one year's maintenance.

5 cu. yds. of cinders, not to be bid for.

NO. 3. FOR REGULATING AND REPAVING WITH IMPROVED GRANITE BLOCKS ON A CONCRETE FOUNDATION SIX INCHES IN THICKNESS AND ALL WORK INCIDENTAL THERETO IN THE BOULEVARD FROM PARK AVENUE TO REMSEN AVENUE, FIFTH WARD.

The time allowed for doing and completing the above work will be one hundred and twenty-five (125) working days.

The amount of security required will be Thirty thousand ($30,000) Dollars.

The Engineer's estimate of the quantities is as follows:

1,500 lin. ft. New Bluestone Curb.

2,500 lin. ft. old curb, redressed and reset.

2,250 cu. yds. Concrete in place, outside of the railroad franchise area.

13,300 sq. yds. Improved Granite Block Pavement (laid outside of the railroad franchise area), including sand bed and bituminous grouted joints, and one (1) year's maintenance.

2,900 sq. yds. Improved Granite Block Pavement, laid within the railroad franchise area, including sand bed and bituminous grouted joints, and no maintenance.

490 cu. yds. Concrete in place, within the railroad franchise area.

20 Catch Basins, to be 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.

s20,30 MAURICE E. CONNOLLY, President.

**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

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SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at his office, third floor of the Borough Hall, 5th Street and Jackson Avenue, Long Island City, New York, until 11.00 A. M. on

**THURSDAY, SEPTEMBER 30, 1915,**

NO. 1: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN HUNTERS POINT AVENUE FROM VAN PELT STREET TO BORDEN AVENUE; BORDEN AVENUE FROM HUNTERS POINT AVENUE TO LAUREL HILL AVENUE; LAUREL HILL AVENUE FROM BORDEN AVENUE TO TOWNS PLACE; TOWNS PLACE FROM LAUREL HILL AVENUE TO LOCUST STREET; LOCUST STREET FROM LAUREL HILL BOULEVARD TO ANABLE AVENUE; ANABLE AVENUE FROM LOCUST STREET TO PACKARD STREET; PACKARD STREET FROM ANABLE AVENUE TO GREENPOINT AVENUE; GREENPOINT AVENUE FROM PACKARD STREET TO QUEENS BOULEVARD, NORTH SIDE; QUEENS BOULEVARD, NORTH SIDE, FROM GREENPOINT AVENUE TO FITTING STREET, AND IN NELSON (NOTT) AVENUE FROM PACKARD STREET TO BLISS STREET, FIRST AND SECOND WARDS OF THE BOROUGH OF QUEENS, TOGETHER WITH ALL THE WORK INCIDENTAL THERETO.

The Engineer's estimate of the quantities is as follows:

1,099 Linear Feet 6′ 0″ Reinforced Concrete Sewer.

1,864 Linear Feet 5′ 6″ Reinforced Concrete Sewer.

905 Linear Feet 5′ 0″ Reinforced Concrete Sewer.

667 Linear Feet 4′ 3″ Reinforced Concrete Sewer.

256 Linear Feet 3′ 0″ Plain Concrete Sewer.

1,669 Linear Feet 2′ 6″ Plain Concrete Sewer.

6 Linear Feet 24″ Vitrified Pipe Sewer.

3 Linear Feet 20″ Vitrified Pipe Sewer.

37 Linear Feet 15″ Vitrified Pipe Sewer.

247 Linear Feet 12″ Vitrified Pipe Sewer.

38 Manholes, Complete.

3 Cleaning Shafts, Complete.

7 Single Receiving Basins, Complete.

4 Double Receiving Basins, Complete.

1 Junction Chamber, Complete, at Packard St. and Anable Ave.

1 Junction Chamber, Complete, at Packard St. and Nelson Ave.

350 Linear Feet 12-inch Culvert Pipe.

80 Linear Feet 10-inch Culvert Pipe.

327 Six-inch Spurs on Concrete Sewers, 24″ long.

16 Six-inch Spurs on 12-inch Vitrified Pipe Sewers.

248 Linear Feet 6-inch Pipe for House Connection Drains.

8,500 Cubic Yards of Displaced Material for Sewer Embankment.

150,000 Feet B. M. Timber for Sheeting and Bracing.

20,000 Feet B. M. Timber for foundation.

100 Cubic Yards Class A Concrete, not shown on plan.

2,000 Lbs. Reinforced Steel, not shown on plan.

1,000 Linear Feet of Fencing.

The time allowed for completing the above work is two hundred and twenty-five (225) working days.

The amount of security required will be Thirty-seven Thousand ($37,000.00) Dollars.

NO. 2: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN: KIMBALL AVENUE FROM FREEDOM AVENUE TO GREENWOOD AVENUE; LAWN AVENUE FROM JEROME AVENUE TO THE CROWN SOUTH OF KIMBALL AVENUE; McCORMICK AVENUE FROM JEROME AVENUE TO THE CROWN SOUTH OF KIMBALL AVENUE; OXFORD AVENUE FROM JEROME AVENUE TO THE CROWN SOUTH OF KIMBALL AVENUE; SEATTLE STREET FROM JEROME AVENUE TO KIMBALL AVENUE; PORTLAND AVENUE FROM JEROME AVENUE TO KIMBALL AVENUE; HERALD AVENUE FROM JEROME AVENUE TO KIMBALL AVENUE, FOURTH WARD OF THE BOROUGH OF QUEENS.

The Engineer's estimate of the quantities is as follows:

235 Linear Feet 4′ 3″ Reinforced Concrete Sewer.

1,135 Linear Feet 4′ 0″ Plain Concrete Sewer.

250 Linear Feet 3′ 3″ Plain Concrete Sewer.

500 Linear Feet 3′ 0″ Plain Concrete Sewer.

250 Linear Feet 24″ Vitrified Salt-glazed Pipe Sewer.

4,742 Linear Feet 12″ Vitrified Salt-glazed Pipe Sewer.

52 Manholes, Complete.

16 Single Receiving Basins, Complete.

8 Double Receiving Basins, Complete.

550 Linear Feet 12-inch Vitrified Salt-glazed Pipe for Basin Connections.

160 Linear Feet 10-inch Vitrified Salt-glazed Pipe for Basin Connections.

142 Six-inch Spurs, 24 inches long, on Concrete Sewers.

20 Six-inch Spurs on 24-inch Vitrified Pipe Sewer.

310 Six-inch Spurs on 12-inch Vitrified Pipe Sewer.

50,000 Feet B. M. Timber for Sheeting and Bracing.

1,320 Linear Feet 6-inch Vitrified Salt-glazed Pipe for House Connection Drains.

25 Cubic Yards Class A Concrete, not shown on plan.

1,000 Pounds Reinforcing Steel, not shown on plan.

The time allowed for completing the above work is one hundred and fifty (150) working days.

The amount of security required will be Eighteen Thousand ($18,000.00) Dollars.

NO. 3: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN: HERALD AVENUE FROM FOREST PARK TO BRANDON AVENUE; GUION AVENUE FROM MRYTLE AVENUE TO THE CROWN 625 FEET SOUTH OF BRANDON AVENUE; BEDFORD AVENUE FROM MYRTLE AVENUE TO JAMAICA AVENUE; GREENWOOD AVENUE FROM MYRTLE AVENUE TO JAMAICA AVENUE; CHESTNUT STREET FROM MYRTLE AVENUE TO JAMAICA AVENUE, FOURTH WARD OF THE BOROUGH OF QUEENS.

The Engineer's estimate of the quantities is as follows:

650 Linear Feet 24-inch Vitrified Salt-glazed Pipe Sewer.

650 Linear Feet 20-inch Vitrified Salt-glazed Pipe Sewer.

5,599 Linear Feet 12-inch Vitrified Salt-glazed Pipe Sewer.

52 Manholes, Complete.

6 Single Receiving Basins, Complete.

160 Linear Feet 12-inch Culvert Pipe for Basin Connections.

393 Six-inch Spurs on 12″ Vitrified Pipe Sewers.

45 Six-inch Spurs on 20″ Vitrified Pipe Sewers.

43 Six-inch Spurs on 24″ Vitrified Pipe Sewers.

3,465 Linear Feet 6″ Vitrified Salt-glazed Pipe for House Connection Drains.

10 Cubic Yards Concrete, Class A, not shown on plan.

20,000 Feet B. M. Timber for Sheeting and Bracing.

The time allowed for completing the above work is one hundred and fifty (150) working days.

The amount of security required will be Eleven Thousand ($11,000.00) Dollars.

NO. 4: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN: SMART AVENUE FROM QUEENS AVENUE TO NARCISSUS STREET; NARCISSUS STREET FROM SMART AVENUE TO BOWNE AVENUE; BOWNE AVENUE FROM NARCISSUS STREET TO OAK AVENUE, THIRD WARD OF THE BOROUGH OF QUEENS.

The Engineer's estimate of the quantities is as follows:

274 Linear Feet 2′ 6″ Plain Concrete Sewer.

250 Linear Feet 24″ Vitrified Salt-glazed Pipe Sewer.

414 Linear Feet 18″ Vitrified Salt-glazed Pipe Sewer.

697 Linear Feet 15″ Vitrified Salt-glazed Pipe Sewer.

13 Manholes, Complete.

9 Single Receiving Basins, Complete.

225 Linear Feet 12″ Vitrified Salt-glazed Pipe for Basin Connections.

10 Six-inch Spurs on Concrete Sewers, 24″ long.

17 Six-inch Spurs on 24-inch Vitrified Pipe Sewer.

20 Six-inch Spurs on 18-inch Vitrified Pipe Sewer.

42 Six-inch Spurs on 15-inch Vitrified Pipe Sewer.

270 Linear Feet 6-inch Vitrified Salt-glazed Pipe for House Connection Drains.

5,000 Feet B. M. Timber for Sheeting and Bracing.

10 Cubic Yards Class A Concrete, not shown on plan.

2,000 Pounds Reinforcement Steel, not shown on plan.

1 Junction Chamber, Complete, at Oak Avenue and Bowne Avenue.

The time allowed for completing the above work is seventy (70) working days.

The amount of security required will be Three Thousand Six Hundred ($3,600.00) Dollars.

NO. 5: FOR CONSTRUCTING RECEIVING BASINS AND APPURTENANCES ON THE NORTHEAST AND NORTHWEST CORNERS OF EMERSON STREET AND OXFORD AVENUE, FOURTH WARD, IN ACCORDANCE WITH SECTION 435 OF THE GREATER NEW YORK CHARTER.

The Engineer's estimate of the quantities is as follows:

1 Single Receiving Basin, Complete.

1 Double Receiving Basin, Complete.

55 Linear Feet 12-inch Vitrified Salt-glazed Pipe for Basin Connections.

20 Linear Feet 10-inch Vitrified Salt-glazed Pipe for Basin Connections.

The time allowed for completing the above work is seven (7) working days.

The amount of security required will be Two Hundred and Forty ($240) Dollars.

NO. 6: FOR CONSTRUCTING RECEIVING BASIN AND APPURTENANCES ON THE EASTERLY CORNER OF TWELFTH AVENUE AND GRAHAM AVENUE, FIRST WARD, OF THE BOROUGH OF QUEENS, IN ACCORDANCE WITH SECTION 435 OF THE GREATER NEW YORK CHARTER.

The Engineer's estimate of the quantities is as follows:

1 Single Receiving Basin, Complete.

25 Linear Feet 12-inch Vitrified Salt-glazed Pipe for Basin Connections.

The time allowed for completing the above work is five (5) working days.

The amount of security required will be Ninety ($90.00) Dollars.

NO. 7: FOR CONSTRUCTING A SEWER BASIN AND APPURTENANCES ON THE SOUTHEAST CORNER OF MYRTLE AVENUE AND DECATUR STREET, AND ALL WORK INCIDENTAL THERETO, SECOND WARD OF THE BOROUGH OF QUEENS, IN ACCORDANCE WITH SECTION 435 OF THE GREATER NEW YORK CHARTER.

The Engineer's estimate of the quantities is as follows:

1 Single Receiving Basin, Complete.

20 Linear Feet 12-inch Vitrified Salt-glazed Pipe for Basin Connections.

The time allowed for completing the above work is five (5) working days.

The amount of security required will be Ninety ($90.00) Dollars.

NO. 8: FOR THE CONSTRUCTION OF A SEWER AND APPURTENANCES IN WILLARD (VANDERVEER) AVENUE, FROM FULTON STREET TO RIDGEWOOD AVENUE, AND IN RIDGEWOOD AVENUE, FROM HATCH AVENUE TO WALKER AVENUE, FOURTH WARD OF THE BOROUGH OF QUEENS.

The Engineer's estimate of the quantities is as follows:

624 Linear Feet of 4′ 6″ Reinforced Concrete Sewer.

503 Linear Feet 3′ 0″ Plain Concrete Sewer.

260 Linear Feet 2′ 6″ Plain Concrete Sewer.

8 Manholes, Complete.

1 Junction Chamber at Willard and Fulton Sts., Complete.

1 Junction Chamber at Willard and Ridgewood Aves., Complete.

1 Junction Chamber at Hatch and Willard Aves., Complete.

79 Six-inch Spurs on Concrete Sewer, 24 inches long.

185 Linear Feet Six-inch Pipe for House Connection Drains.

33 Linear Feet 12-inch Vitrified Pipe for Basin Connections.

18 Linear Feet 12-inch Vitrified Pipe Sewer.

3 Linear Feet 24-inch Vitrified Pipe Sewer.

25 Cubic Yards Concrete, Class A, not shown on plan.

2,000 Lbs. Reinforced Steel, not shown on plan.

10,000 Feet B. M. Timber for Sheeting and Bracing.

The time allowed for completing the above work is one hundred (100) working days.

The amount of security required will be Four Thousand and Nine Hundred ($4,900.00) 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. The extensions must be footed up as the bids will be read from a total. 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.

s20,30 MAURICE E. CONNOLLY, President.

**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

## PUBLIC SERVICE COMMISSION.

### Invitation to Contractors.

*For the Supply of Special Work, Order No. 5, for use in the construction of Rapid Transit Railroads.*

Sealed bids or proposals for the supply of ten Portions of Special Work (Frogs and Switches) for use in the construction of rapid transit railroads will be received by the Public Service Commission for the First District at the office of said Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the 15th day of October, 1915, at twelve fifteen (12:15) o'clock P. M., at which time and place or at a later date to be fixed by said Commission proposals will be publicly opened.

The Special Work is to be delivered in installments. The contractor must be prepared to deliver at least one portion of the Special Work on the expiration of two months after the delivery of the contract and must be prepared to deliver two more portions during the third month, three more portions during the fourth month and the remaining four portions during the fifth month and must complete deliveries within five months after the delivery of the contract, except as otherwise provided in the form of contract.

A fuller description of the Special Work and other requirements, provisions and specifications are given in the Information for Contractors and in the form of contract, specifications, contract drawings, bond and Contractor's Proposal, which are to be deemed a part of this Invitation and copies of which may be inspected and purchased at said office of said Commission.

The receipt of bids will be subject to the requirements specified in said Information for Contractors.

New York, September 24, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, By EDWARD E. McCALL, Chairman.

TRAVIS H. WHITNEY, Secretary. s29,o15

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*For the Supply of Ballast for Use in the Construction of Rapid Transit Railroads.*

Sealed bids or proposals for the supply of ballast for use in the construction of rapid transit railroads will be received by the Public Service Commission for the First District at the office of said Commission at No. 154 Nassau Street, Borough of Manhattan, New York City, until the fifteenth day of October, 1915, at twelve fifteen (12:15) o'clock P. M., at which time and place or at a later date to be fixed by said Commission the proposals will be publicly opened.

The ballast to be supplied under the contract is known as Class A and Class B ballast and is to be either trap rock or hard limestone. Bids must state whether they are for furnishing trap rock or hard limestone.

The ballast is to be delivered in lots. The first lot is to be ready for delivery within sixty days after the delivery of the contract and the remaining lots are to be delivered from time to time as called for and the deliveries are to be completed on or before December 31, 1916, except as otherwise provided in the form of contract.

A fuller description of the ballast and other requirements, provisions and specifications are given in the Information for Contractors and in the form of contract, specifications, bond and Contractor's Proposal, which are to be deemed a part of this Invitation and copies of which may be inspected and purchased at said office of said Commission.

The receipt of bids will be subject to the requirements specified in said Information for Contractors.

New York, September 24, 1915.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT, by EDWARD E. McCALL, Chairman.

TRAVIS H. WHITNEY, Secretary. s29,o15

## DEPARTMENT OF HEALTH.

### Proposals.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health, Corner of Centre and Walker Sts., Manhattan, until 10.30 o'clock a. m., on

**FRIDAY, OCTOBER 8, 1915.**

FOR FURNISHING AND DELIVERING TIMBER, LUMBER, MOULDING, ETC., TO THE TUBERCULOSIS SANATORIUM, AT OTISVILLE, ORANGE COUNTY, NEW YORK.

The time for the delivery of the supplies and the performance of the contract is Forty-five (45) calendar days.

No bond will be required with the bid, as heretofore, but will be required upon awarding of the contract, in an amount equal to thirty (30) per cent. of the contract. The bid, however, must be accompanied by a deposit of an amount of not less than 1½ per cent. of the amount of the bid.

Bids will be compared and the contract awarded to the lowest bidder on each class complete.

Blank forms and further information may be obtained at the office of the Chief Clerk of the Department of Health, southwest corner of Centre and Walker sts., Borough of Manhattan.

S. S. GOLDWATER, M. D., President; JOSEPH J. O'CONNELL, M. D., ARTHUR WOODS, Board of Health.

Dated Sept. 28, 1915. s28,o8

**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

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SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health of the Department of Health, Cor. of Centre and Walker sts., Manhattan, until 10.30 o'clock a. m., on

**FRIDAY, OCTOBER 8, 1915,**

FOR FURNISHING ALL LABOR AND MATERIALS NECESSARY OR REQUIRED TO INSTALL AND COMPLETE, TOGETHER WITH ALL NECESSARY ALTERATIONS AND OTHER WORK INCIDENTAL THERETO, THE LIGHTING FIXTURES IN A PAVILION ON THE GROUNDS OF THE DEPARTMENT OF HEALTH, FLUSHING AVENUE, NEAR JAMAICA, BOROUGH OF QUEENS, CITY OF NEW YORK.

The time for the completion of the work and the full performance of the contract will be Sixty (60) consecutive working days.

The bid, however, must be accompanied by a deposit of an amount of not less than 2½ per cent. of the amount of the bid.

Bids will be compared and the contract awarded to the lowest bidder on the entire contract.

Plans may be seen and blank forms for the above work and further information may be obtained at the office of the Chief Clerk of the Department of Health, southeast corner of Centre and Walker sts., Borough of Manhattan, City of New York.

S. S. GOLDWATER, M. D., President; JOSEPH J. O'CONNELL, M. D., ARTHUR WOODS, Board of Health.

Dated Sept. 28, 1915. s28,o8

**☞See General Instructions to Bidders on last page, last column, of the "City Record."**

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SEALED BIDS OR ESTIMATES WILL BE received by Dep't of Health, at Room 1230, Municipal Building, Borough of Manhattan, City of New York, until 12 o'clock noon on

**FRIDAY, OCTOBER 1, 1915,**

FOR FURNISHING AND DELIVERING HOUSEHOLD WARE (ENAMEL WARE).

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. 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 piece, 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 item 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.

DEPARTMENT OF HEALTH, S. S. GOLDWATER, M. D., Commissioner. s21,o1

**☞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.**

## BOARD OF ASSESSORS.

### 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 assessment has been completed and is lodged in the office of the Board of Assessors for examination by all persons interested:

**Borough of Brooklyn.**

4517. Sewers and appurtenances in Neptune Avenue between West 37th Street and Pump Well near West 12th Street; Mermaid Avenue between West 37th Street and Stillwell Avenue; Surf Avenue between West 37th Street and West 19th Street and between West 17th Street and West 12th Street; West 15th Street between Canal and Surf Avenues; West 16th Street between Canal and Neptune Avenues; West 17th Street between Canal and Neptune Avenues and between Mermaid and Surf Avenues; West 19th Street and West 20th Street, each between Neptune and Surf Avenues; West 21st Street between a point 65 feet north of Neptune Avenue and Surf Avenue; West 23rd Street between Mermaid Avenue and a point in the Atlantic Ocean 1,000 feet south of Surf Avenue; West 24th Street between Neptune and Surf Avenues; West 25th Street between Neptune Avenue and a point 500 feet south of Surf Avenue; West 27th Street, West 28th Street and West 29th Street, each between Neptune and Surf Avenues; West 30th Street between Neptune Avenue and 360 feet south of Surf Avenue; West 31st Street between Neptune and Surf Avenues; West 32nd Street between Neptune Avenue and a point in the Atlantic Ocean about 900 feet south of Surf Avenue; West 33rd Street and West 35th Street, each between Neptune and Surf Avenues; West 36th Street between Canal and Surf Avenues; and West 37th Street between Neptune Avenue and the north property line of the New York and Coney Island Railroad and from Surf Avenue southerly about 245 feet.

Affecting Blocks 6952 to 6954, 6961 to 6970, 6978 to 6997, 7004 to 7023, 7045 to 7074, 7228 to 7266, 7268 to 7289, 7454 to 7464, 7483 to 7493, 7511, 7512, 7513 and 7516.

All persons whose interests are affected by the above named proposed assessment, and who are opposed to the same, 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 Wednesday, November 3, 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.

September 30, 1915. s30,o11

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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.**

4751. Basin adjacent to the northwest corner of East 52nd Street and Madison Avenue. Affecting Block 1288.

4748. Paving and curbing West 191st Street from Audubon Avenue to Wadsworth Avenue.

**Borough of The Bronx.**

4536. Regulating, grading, curbing, flagging, etc., Parker Street from Castlehill Avenue to Lyon Avenue. Together with a list of awards for damages caused by a change of grade.

The area of assessment in the above mentioned lists extends to within half the block at the intersecting and terminating streets and avenues.

**Borough of Queens.**

1055. Construction of the Jamaica Sewage Disposal Plant. A map is on file in the office of the Board of Assessors showing the territory benefited by the plant and which is assessed for the cost of its construction. The following blocks are affected: Second Ward, Blocks 2118, 2119, 2121, 2124, 2126 to 2138, 2140 to 2142, 2144, 2145, 2147 to 2153 and 2813; Third Ward, Blocks 263, 263K, 263L, 263M, 263N, 263P, 263R, 263S, 264K, 264L, 264M, 264N, 264P, 264R, 264S, 264T and 264U; Fourth Ward, Blocks 2 to 45, 50, 52, 54, 56, 60, 61, 62, 64 to 88, 116 to 301, 358 to 365, 400 to 404, 433 to 676, 700, 706 to 710, 714, 743 to 761, 763 to 765, 780 to 796, 800 to 809, 816, 822, 823, 827 to 846, 848 to 859, 865 to 877, 879, 885 to 930, 932 to 949, 953 to 955, 957, 958, 961 to 956, 979 to 981, 983 to 987, 990 to 1007, 1017 to 1208, 1213, 1219 to 1224, 1233 to 1237, 1270, 1404, 1410, 1414, 1418, to 1420, 1422, 2237 to 2251, 2420 to 2541, 2547 to 2562, 2591 to 2616, 2645, 2647 to 2667, 2669, 2699, 2701, 2703, 2705, 2707, 2709, 2711, 2713, 2715, 2717, 2725, 2730, 2735, 2755, 2790, 2800, 2805, 2821, 2824 to 2827, 2838, 2840, 2915, 2918 and 2921 to 2926.

4697. Sewer and appurtenances in Atlantic Avenue, north side, from Stoothoff Avenue to Greenwood Avenue, and in Greenwood Avenue from Atlantic Avenue, north side, to the crown about 650 feet north of Atlantic Avenue, Fourth Ward. Affecting Blocks 262 to 266 and 268.

4703. Sewer and appurtenances in Ridgewood Avenue from Hamilton Avenue to Lefferts Avenue; Stoothoff Avenue from Jamaica Avenue to Ridgewood Avenue; Hamilton Avenue from Ridgewood Avenue to a point 200 feet north of Fulton Street; Walnut Street from Jamaica Avenue to a point 200 feet north of Fulton Street; Briggs Avenue from Jamaica Avenue to a point 295 feet north of Fulton Street; Church Street from Jamaica Avenue to Fulton Street; and in Lefferts Avenue from Jamaica Avenue to Fulton Street, Fourth Ward. Affecting Blocks 220 to 226, 271, 273, 275, 277, 279 and 281.

4727. Sewer and appurtenances in Wilbur Avenue from William Street to Ely Avenue, First Ward. Affecting Blocks 102 and 107.

4728. Sewer and appurtenances in Newtown Road from 13th Avenue to 18th Avenue, First Ward. Affecting Blocks 211, 212, 217, 218, 227, 228, 232, 233, 242 and 243.

4735. Basin and appurtenances on the easterly corner of Flushing Avenue and Weil Place, First Ward. Affecting Block 154.

4736. Basin and appurtenances on the northeast corner of Willow Street and North William Street, First Ward. Affecting Block 156.

4739. Basin and appurtenances on the southwest corner of Dill Place and Charlotte Place, Second Ward. Affecting Block 2899.

4740. Basins and appurtenances on Onderdonk Avenue: at the easterly corner of Suydam Street and the easterly corner of Hart Street, Second Ward. Affecting Blocks 2435 and 2442.

4741. Basin and appurtenances on the easterly corner of Cypress Avenue and Harman Street, Second Ward. Affecting Block 2449.

4742. Basins and appurtenances on State Street, at the southwest corner of Parsons Avenue and the southeast corner of Brewster Avenue, Third Ward. Affecting Blocks 14 and 17.

4752. Basins and appurtenances on the four corners of Hancock Street and Bodine Street, First Ward. Affecting Blocks 143, 144, 165 and 171.

4753. Basins and appurtenances on the easterly and westerly sides of Purvis Street and Thomson Avenue, First Ward. Affecting Blocks 193 and 194.

4754. Basins and appurtenances on the northeast, northwest and southwest corners of Thomson Avenue and Court Street, First Ward. Affecting Blocks 81 and 83.

4755. Basin and appurtenances on the southeast corner of Nott Avenue and West Avenue, First Ward. Affecting Block 24.

4756. Basin and appurtenances on the northerly corner of Woodyard Avenue and Silver Street, Second Ward. Affecting Block 2507.

4758. Basin and appurtenances on the northeast corner of Hamilton Avenue and Myrtle Avenue, Fourth Ward. Affecting Block 196.

**Borough of Richmond.**

4770. Sewer and appurtenances in Twelfth Street from Brighton Avenue to a point about 175 feet westerly therefrom, First Ward. Affecting District 2, Plot 5, Blocks 1, 2 and 6.

**Borough of Brooklyn.**

4715. Paving Junius Street between Dumont and Livonia Avenues.

4744. Paving Junius Street between Blake and Dumont Avenues.

4745. Paving New Lots Avenue between Williams and New Jersey Avenues.

4765. Paving Argyle Road (East 13th Street) between Ditmas and Newkirk Avenues.

4766. Paving East 26th Street from Clarendon Road to Canarsie Lane.

The area of assessment in the above mentioned lists extends to within half the block at the intersecting and terminating streets and avenues.

4763. Sewers in New Lots Avenue from Williams Avenue to the end of the existing sewer about 15 feet east of Pennsylvania Avenue, and in Sheffield Avenue from New Lots Avenue to Hegeman Avenue. Affecting Blocks 3838, 3839, 3840, 3853, 3854 and 4294 to 4298.

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, October 26, 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.

September 25, 1915. s25,o6

**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, October 7, 1915, at 10 o'clock a. m. Claimants are requested to make their claims for damages upon the blank form prepared by the Board of Assessors, copies of which may be obtained upon application at the above office.

**Borough of Manhattan.**

4749. Riverside Drive Service Street from West 158th Street to West 160th Street.

**Borough of The Bronx.**

4750. Tremont Avenue from Ludlow Avenue to Ft. Schuyler Road.

4803. Allerton Avenue from Bronx Park East to White Plains Road.

4804. Cruger Avenue from Morris Park Avenue to Baker Avenue.

4805. Fillmore Street from Morris Park Avenue to Van Nest Avenue.

4806. Van Buren Street from West Farms Road to Morris Park Avenue.

4807. Chatterton Avenue from Virginia Avenue to a point 265 feet east of Zerega Avenue.

4808. Melville Street from West Farms Road to Morris Park Avenue.

4809. East 222nd Street from Bronxwood Avenue to Arnow Avenue.

**Borough of Richmond.**

4769. Haven Esplanade on the south side of Castleton Avenue, First Ward.

**Borough of Brooklyn.**

4768. Snediker Avenue from New Lots Avenue to Hegeman Avenue.

4796. Canarsie Lane from Flatbush Avenue to Nostrand Avenue.

4797. 15th Avenue from 40th Street to 42nd Street.

4798. Roberge Place from West 3rd Street to West 5th Street.

4799. 78th Street from 17th Avenue to 18th Avenue.

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.

September 25, 1915. s25,o6

## SUPREME COURT — FIRST DEPARTMENT.

**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 HAVILAND AVENUE, from Virginia Avenue to Zerega Avenue; of BLACKROCK AVENUE, from Virginia Avenue to the Bulkhead Line of Westchester Creek; of CHATTERTON AVENUE, from Virginia Avenue to the Bulkhead Line of Westchester Creek, and of WATSON AVENUE, from Clasons Point Road to Havemeyer Avenue, and from the Unnamed Street west of Zerega Avenue to the Bulkhead Line of Westchester Creek, in the 24th Ward, Borough of The Bronx, City of New York, as amended by an order of the Supreme Court, First Department, dated August 11, 1914, and entered in the office of the Clerk of the County of Bronx on August 17, 1914, so as to conform to a map or plan adopted by the Board of Estimate and Apportionment November 6, 1913, and approved by the Mayor November 13, 1913, in which a change was made in the harbor lines heretofore fixed for Westchester Creek, involving a slight change in the lengths of Watson Avenue, Blackrock Avenue and Chatterton Avenue in the easterly block, the proceeding as amended providing for the acquisition of title to HAVILAND AVENUE, from Virginia Avenue to Zerega Avenue; WATSON AVENUE, from Clasons Point Road to Havemeyer Avenue, and from the Unnamed Street west of Zerega Avenue to the Bulkhead Line of Westchester Creek; BLACKROCK AVENUE, from Virginia Avenue to the Bulkhead Line of Westchester Creek, and CHATTERTON AVENUE, from Virginia Avenue to the Bulkhead Line of Westchester Creek, as the foregoing streets are now laid out upon the map or plan of 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 supplemental and amended 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 20th day of October, 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 22nd day of October, 1915, at 2.30 o'clock P. M.

*Second.*—That the undersigned, Commissioner of Assessment, has completed his supplemental and amended 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, Borough of Manhattan, in The City of New York, on or before the 20th day of October, 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 25th day of October, 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 amended area of assessment for benefit by the Board of Estimate and Apportionment on the 13th day of March, 1914, 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.:

Beginning at a point on the westerly bulkhead line of Westchester Creek, as shown upon a map adopted by the Board of Estimate and Apportionment on November 6, 1913, where it is intersected by the prolongation of a line distant 100 feet northerly from and parallel with the northerly line of Watson Avenue, the said distance being measured at right angles to Watson Avenue, and running thence southwardly along the said bulkhead line of Westchester Creek to the intersection with a line midway between Ludlow Avenue and Chatterton Avenue; thence westwardly along a line always midway between Ludlow Avenue and Chatterton Avenue and along the prolongation of the said line to the intersection with a line distant 100 feet westerly from and parallel with the westerly line of Virginia Avenue, the said distance being measured at right angles to Virginia Avenue; thence northwardly along the said line parallel with Virginia Avenue to the intersection with the prolongation of a line midway between Ludlow Avenue and Watson Avenue, as these streets are laid out between White Plains Road and Noble Avenue; thence westwardly along the said line midway between Ludlow Avenue and Watson Avenue, and along the prolongations of the said line to the intersection with a line midway between Morrison Avenue and Harrod Avenue; thence northwardly along the said line midway between Morrison Avenue and Harrod Avenue to the intersection with a line at right angles to Clasons Point Road and passing through a point on its northeasterly side where it is intersected by the prolongation of a line midway between Powell Avenue and Haviland Avenue; thence northeastwardly along the said line at right angles to Clasons Point Road to the intersection with its northeasterly side; thence eastwardly along the said line midway between Powell Avenue and Haviland Avenue, and along the prolongations of the said line to a point distant 100 feet easterly from the easterly line of Zerega Avenue; thence southwardly and parallel with Zerega Avenue to the intersection with a line parallel with Watson Avenue, and passing through the point of beginning; thence eastwardly along the said line parallel with Watson Avenue to the point or place of beginning.

*Fourth.*—That the abstracts of said supplemental and amended estimate of damage and of said supplemental and amended 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 22nd day of October, 1915.

*Fifth.*—That, provided there be no objections filed to either of said supplemental and amended 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 21st day of December, 1915, at the opening of the Court on that day.

*Sixth.*—In case, however, objections are filed to the foregoing supplemental and amended 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, September 24th, 1915.

JOHN DAVIS, Chairman; JAMES W. O'BRIEN, WILFRED H. WARNER, Commissioners of Estimate. WILFRED H. WARNER, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. s30,o18

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 widening of WHITLOCK AVENUE, from Hoe Avenue to Faile Street, in the 23rd 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 supplemental and amended 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 20th day of October, 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 22nd day of October, 1915, at 2 o'clock P. M.

*Second.*—That the undersigned, Commissioner of Assessment, has completed his supplemental and amended 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, Borough of Manhattan, in The City of New York, on or before the 20th day of October, 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 25th day of October, 1915, at 2 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 amended area of assessment for benefit by the Board of Estimate and Apportionment on the 25th day of June, 1915, 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.:

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.

*Fourth.*—That the abstracts of said supplemental and amended estimate of damage and of said supplemental and amended 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 22nd day of October, 1915.

*Fifth.*—That, provided there be no objections filed to either of said supplemental and amended 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 21st day of December, 1915, at the opening of the Court on that day.

*Sixth.*—In case, however, objections are filed to the foregoing supplemental and amended 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, September 28th, 1915.

JOHN ROSS DELAFIELD, Chairman; FRANK A. SPENCER, JR., MARTIN GEISZLER, Commissioners of Estimate. JOHN ROSS DELAFIELD, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. s30,o18

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 ELSMERE PLACE, from Crotona Parkway to Daly Avenue, in the 24th Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN TO ALL PERsons interested in the above entitled proceedings, 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 11th day of October, 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 14th day of October, 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, 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 11th day of October, 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 15th day of October, 1915, at 2 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 1st day of May, 1913, 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.:

Bounded on the north by a line distant 100 feet northerly from and parallel with the northerly line of Elsmere place, as this street is laid out east of Crotona parkway, the said distance being measured at right angles to Elsmere place, and by the prolongations of the said line; on the east by a line distant 100 feet easterly from and parallel with the easterly line of Daly avenue, the said distance being measured at right angles to Daly avenue; on the south by a line distant 100 feet southerly from and parallel with the southerly line of Elsmere place, as this street is laid out east of Crotona parkway, the said distance being measured at right angles to Elsmere place and by the prolongations of the said line, and on the west by the centre line of Crotona parkway.

*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 14th day of October, 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 17th day of December, 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, September 16th, 1915.

THOMAS N. CUTHBERT, Chairman; LAWRENCE N. MARTIN, Commissioners of Estimate. THOMAS N. CUTHBERT, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. s21,o7

**Filing Final Reports.**

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 LANE AVENUE, between Westchester Avenue and the West Farms Road, with the Public Place bounded by Lane Avenue, West Farms Road and Westchester Avenue, and of WESTCHESTER AVENUE, between Main Street or West Farms Road and the Eastern Boulevard, at Pelham Bay Park, in the 24th Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE final reports of the Commissioners of Estimate and of the Commissioner of Assessment in the above-entitled matter 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 City of New York, on the 5th day of October, 1915, at 10.15 o'clock in forenoon

of that day; and that the said final reports have been deposited in the Office of the Clerk of the County of Bronx, East 161st Street and 3rd Avenue, there to remain for and during the space of five days, as required by law.

Dated, New York, September 27th, 1915.

FLOYD M. LORD, JOHN J. MACKIN, EDWARD D. DOWLING, Commissioners of Estimate. EDWARD D. DOWLING, Commissioner of Assessment.

JOEL J. SQUIER, Clerk. s27,o1

## SUPREME COURT — SECOND DEPARTMENT.

### 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 COOPER STREET, from Brooklyn Borough Line to St. Felix Avenue COOPER PLACE, from Wyckoff Avenue to Cypress Avenue; COVERT STREET, from Brooklyn Borough Line to Wyckoff Avenue; DECATUR STREET, from Brooklyn Borough Line to Myrtle Avenue; IRVING AVENUE, from Brooklyn Borough Line to Moffat Street; SCHAEFFER STREET, from Brooklyn Borough Line to Wyckoff Avenue, as the same are now laid out upon the map or plan of The City of New York, in the Second Ward, 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 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 11th day of October, 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, September 27th, 1915.

WM. BOWNE PARSONS, W. J. HAMILTON, GEORGE ALEXANDER, Commissioners of Estimate. WM. BOWNE PARSONS, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. s27,o7

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 GERRY AVENUE, from Marlowe Avenue to Corona Avenue as shown on a map or plan adopted by the Board of Estimate and Apportionment March 6, 1913, and approved by The Mayor March 14, 1913, in the 2nd Ward, 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 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 for the hearing of motions at the County Court House in the Borough of Brooklyn, in The City of New York, on the 4th day of October, 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, September 20th, 1915.

P. FRANK RYAN, ABRAHAM D. VAN SICLEN, EDWIN ANDREWS, JR., Commissioners of Estimate. P. FRANK RYAN, Commissioner of Assessment.

WALTER C. SHEPPARD, Clerk. s20,30

### 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 WEST 32ND STREET, from Neptune Avenue to the mean high water line of the Atlantic Ocean; WEST 33RD STREET, from Neptune Avenue to Surf Avenue; WEST 35TH STREET, from Canal Avenue to Surf Avenue; WEST 36TH STREET, from Canal Avenue to Surf Avenue, excepting in each case the right-of-way of the New York and Coney Island Railroad, in the 31st 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 amended and supplemental 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 9th day of October, 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 14th day of October, 1915, at 11 o'clock A. M.

*Second.*—That the undersigned, Commissioner of Assessment, has completed his amended and supplemental 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 9th day of October, 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 15th day of October, 1915, at 11 o'clock A. 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 9th day of March, 1911, 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.:

Beginning at a point on the southerly bulkhead line of Gravesend Bay where it is intersected by the prolongation of a line midway between West 36th street and West 37th street, and running thence eastwardly along the said bulkhead line to the intersection with the prolongation of a line midway between West 33d street and West 35th street; thence southwardly along the said line midway between West 33d street and West 35th street, and along the prolongation of the said line to a point distant 100 feet northerly from the northerly line of Neptune avenue; thence eastwardly and parallel with Neptune avenue to the intersection with a line midway between West 31st street and West 32nd street; thence southwardly along the said line midway between West 31st street and West 32d street, and along the prolongation of the said line to the intersection with the mean high water line of the Atlantic Ocean; thence westwardly along the mean high water line of the Atlantic Ocean to the intersection with the prolongation of a line midway between West 36th street and West 37th street; thence northwardly along the said line midway between West 36th street and West 37th street, and along the prolongations of the said line to the point or place of beginning.

*Fourth.*—That the abstracts of said amended and supplemental 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 27th day of October, 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 23rd day of November, 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, September 28, 1915.

WILLIAM S. FITZPATRICK, EDWARD F. LINTON, JOSEPH A. GUIDER, Commissioners of Estimate. WILLIAM S. FITZPATRICK, Commissioner of Assessment.

ANDREW C. TROY, Clerk. s28,o8

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 WEST 4TH STREET, from Kings Highway to Avenue T; AVENUE S, from Stillwell Avenue to Gravesend Avenue, excepting the right-of-way of the New York and Sea Beach Railroad; AVENUE T, from Stillwell Avenue to Gravesend Avenue, excepting the right-of-way of the New York and Sea Beach Railroad, in the 31st 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 14th day of October, 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 18th day of October, 1915, at 3:30 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 14th day of October, 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 19th day of October, 1915, at 3:30 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 15th day of June, 1911, 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.:

BEGINNING at a point on the prolongation of a line midway between Avenue R and Avenue S, distant 100 feet westerly from the westerly line of Stillwell Avenue, and running thence eastwardly along the said line midway between Avenue R and Avenue S, and along the prolongations of the said line to the intersection with a line midway between West 4th Street and West 5th street; thence northwardly along the said line midway between West 4th street and West 5th street to a point distant 100 feet northerly from the northerly line of Kings Highway, the said distance being measured at right angles to Kings Highway; thence eastwardly and always distant 100 feet northerly from and parallel with the northerly line of Kings Highway to the intersection with a line midway between West 3rd street and West 4th Street; thence southwardly along the said line midway between West 3rd Street and West 4th Street to the intersection with a line midway between Avenue R and Avenue S; thence eastwardly along the said line midway between Avenue R and Avenue S, and along the prolongation of the said line to the intersection with a line distant 200 feet easterly from and parallel with the easterly line of Gravesend avenue, the said distance being measured at right angles to Gravesend avenue; thence southwardly along the said line parallel with Gravesend avenue to the intersection with the prolongation of a line midway between Avenue T and Avenue U; thence westwardly along the said line midway between Avenue T and Avenue U and along the prolongation of the said line to the intersection with a line parallel with Stillwell Avenue and passing through the point of beginning; thence northwardly along the said line parallel with Stillwell Avenue 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, No. 166 Montague Street, in the Borough of Brooklyn, in said City, there to remain until the 25th day of October, 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 18th day of November, 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, September 24th, 1915.

NATHANIEL ELLIS, JAMES G. REYNOLDS, PETER P. SMITH, Commissioners of Estimate. PETER P. SMITH, Commissioner of Assessment.

ANDREW C. TROY, Clerk. s24,o11

### Hearings on Qualifications.

SECOND DEPARTMENT.

In the matter of acquiring title by The City of New York to certain lands and premises situated on the westerly side of EGBERT AVENUE, northerly side of SAW MILL ROAD and the easterly side of MANOR ROAD, in the Second Ward of the Borough of Richmond, in The City of New York, duly selected as a site for an addition to the Seaview Hospital, in the Borough of Richmond, according to law.

NOTICE IS HEREBY GIVEN THAT BY AN order of the Supreme Court of the State of New York, bearing date the 8th day of September, 1915, and entered and filed in the office of the Clerk of the County of Richmond on the 9th day of September, 1915, Messrs. George S. Scofeld, Lawrence A. Seaver and William H. Jackson were appointed Commissioners of Estimate and Appraisal in the above entitled proceeding.

NOTICE IS FURTHER GIVEN that, pursuant to the statutes in such case made and provided, the said George S. Scofield, Lawrence A. Seaver and William H. Jackson will attend at a Special Term of the Supreme Court for the Hearing of Contested 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 4th day of October, 1915, at 10 o'clock in the forenoon of that day, for the purpose of being examined under oath by the Corporation Counsel of The City of New York, or by any other person having an interest in said proceeding, as to their qualifications to act as Commissioners of Estimate and Appraisal in said proceeding.

Dated New York, September 22nd, 1915.

LOUIS H. HAHLO, Acting Corporation Counsel, Municipal Building, Borough of Manhattan, New York City. s22,o2

### 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 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 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 carelessness 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 painted 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 of 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.