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## THE BOARD OF ALDERMEN OF THE CITY OF NEW YORK.

[Extract from proceedings of the Board of Aldermen, June 24, 1902.]

The President laid before the Board the following communication from the Department of Water Supply, Gas and Electricity, transmitting proposed rules and regulations for the construction and maintenance of poles, wires, etc.

No. 823.

Department of Water Supply, Gas and Electricity,  
Commissioner's Office, No. 13 and 21 Park Row,  
City of New York, June 24, 1902.

Hon. CHARLES V. FORNES, President, Board of Aldermen:

Dear Sir—Section 523 of the Revised Greater New York Charter provides as follows:

"The said Commissioner of Water Supply, Gas and Electricity shall from time to time submit, for the consideration of the Board of Aldermen, such proposed ordinances in regard to electric wires, appliances and currents for furnishing light, heat, or power when introduced into or placed in any building in said city. Such proposed ordinances shall prescribe the method of construction, operation, location, arrangement, installation and use of such wires, appliances and currents as said Commissioner shall from time to time deem necessary for the protection of life and property."

Section 528 prescribes, among other things, that

"The Board of Aldermen may establish and may, from time to time enact general ordinances, regulating the construction, maintenance, use and management of the electrical conductors, poles and fixtures above ground, and the conduits and subways therefor constructed under ground."

In conformity with the provisions of Section 523 of said Charter, I have prepared a code of rules and regulations for the construction, care, maintenance and operation of poles, wires, conduits, subways and other electrical appliances in, on, over or under the streets, or in buildings of The City of New York; and herewith submit a copy of the same, to you, with the request that pursuant to Section 528 of the Charter the Board of Aldermen enact the said rules into ordinances.

The rules and regulations which are herewith presented consist, with such modifications as experience has shown to be necessary, of the compilation originally adopted by the Department of Public Buildings, Lighting and Supplies, after approval by the Corporation Counsel. That department in preparing its compilation, used the rules and regulations of the Board of Electrical Control, which, by chapter 263 of the Laws of 1892 (section 2), was authorized to establish rules. The residue of the compilation consisted of rules theretofore adopted by the Fire Department of The City of New York, in pursuance of power conferred by section 517½ of chapter 275 of the Laws of 1892. In conformity with sections 416, 417 and 584 of the Greater New York Charter (chapter 378 of the Laws of 1897), the Late Commissioner of Public Buildings, Lighting and Supplies submitted the rules so formulated by him to the Board of Public Improvements, by which body they were approved, and afterward to the Municipal Assembly, which, for some reason, declined to enact the same into ordinances.

The rules herewith submitted, it is believed, are in full conformity with the most advanced state of the art of electrical installation and wiring, and it is of importance that early action should be taken upon the same by the Board of Aldermen, so that the rules may obtain the force of law.

In presenting these rules to the Board for enactment into ordinances, I beg to remind it that this Department has no power to enforce compliance with such rules, and has no means of punishing violations thereof. It may, in proper cases, withhold permits where applicants for such permits have violated its regulations; but this, it will be observed, is a very inadequate means of securing obedience, whereas, should the Board of Aldermen give the rules the force of law penalties may follow every violation.

For the foregoing reasons, I beg to request that these rules be enacted into ordinances.

Respectfully yours,

J. HAMPDEN DOUGHERTY,

Commissioner of Water Supply, Gas and Electricity.

THE CITY OF NEW YORK,

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Rules and Regulations for the Construction, Care, Maintenance and Operation of Poles, Wires, Conduits, Subways and other Electrical Appliances in, on, over or under the Streets, or in Buildings, in The City of New York; subject to revision and alteration.

J. HAMPDEN DOUGHERTY, Commissioner.

1902.

## RULES AND REGULATIONS GOVERNING THE CONSTRUCTION AND OCCUPANCY OF ELECTRICAL DUCTS, CONDUITS AND SUBWAYS IN THE CITY OF NEW YORK.

Note.—By ducts, conduits or subways referred to herein, shall be understood those ducts, conduits or subways already existing, or that may hereafter be constructed, within any portion of The City of New York. By Subway Company shall be understood the owner of said ducts, conduits or subways.

### GENERAL PROVISIONS

Governing the Occupancy of Electrical Subways and Wiring in The City of New York (Chapter 466, Laws of 1901).

No person or corporation shall proceed to take up the pavements of any of the streets or parks of The City of New York, or to excavate for the purpose of laying underground any electrical conductors, or to construct subways, unless permission in writing therefor shall have been first obtained from the Commissioner of Water Supply, Gas and Electricity, approved by the President of the Borough in which the work is to be performed.

No electrical conductors, poles, wires, lamps or other electrical devices or fixtures shall be constructed, erected, strung, laid or maintained above or below the surface of any street, avenue or highway, or other public places in any part of The City of New York without the written consent of the Commissioner of Water Supply, Gas and Electricity, nor shall any extension of the existing electrical conductors, either overhead or underground, be made without his written consent.

No electrical wiring or installation of electrical apparatus or appliances shall be placed in any building in The City of New York, except in compliance with the rules and regulations of the Department of Water Supply, Gas and Electricity, and application for all such wiring or installations must be made to said Department prior to commencement of such work, on blank forms provided for the purpose, and no such electrical wiring, apparatus or appliances shall be placed in service until a certificate of approval for same has been issued by the Commissioner of Water Supply, Gas and Electricity.

### RULES AND REGULATIONS

Governing the Construction and Occupancy of Electrical Ducts, Conduits and Subways.

1. a. No wires, cables or other electrical conductors shall be placed in any subways, conduits or ducts now constructed, or hereafter to be constructed, without the written consent of the Commissioner of Water Supply, Gas and Electricity, first obtained. Whenever any duly authorized corporation or person desires, or is required, to place electrical conductors underground, application must be made to the Commissioner of Water Supply, Gas and Electricity, on forms provided for that purpose, for such accommodation as may be desired; and if the Commissioner acts upon such application favorably he will issue the necessary authorization, in the event that the unused facilities of existing subways are insufficient to meet legitimate requirements.

b. All plans and specifications for the method of construction of electrical subways must be submitted to the Commissioner of Water Supply, Gas and Electricity for his approval, and without such approval no subways, ducts or conduits shall be constructed for the accommodation of any electrical conductors.

2. Subway Construction—*a.* Electrical subways must be constructed in a workmanlike manner, and of materials approved by the Department of Water Supply, Gas and Electricity, such as wrought iron, thoroughly vitrified clay and cement pipes.

*b.* They must be constructed to comply with what is known as the "Drawing-in-System." Special permission may, if deemed advisable by said Department, be granted to make extensions, alterations and repairs to the existing "Solid Tube Edison System."

*c.* The subways and ducts must be drained from manhole to manhole and be laid as straight and true as conditions will allow.

*d.* Wooden boxes or wooden troughs will not be approved in place of the materials specified in Section A of Rule 2 for the construction of electrical subways.

*e.* All plans, materials and systems used for or in the construction of electrical subways must be approved by said Department.

*f.* Electrical subways, as defined by these rules, will be any length of conduits or pipes exceeding 100 linear feet, unless specially authorized as a subsidiary.

*g.* A subsidiary to an electrical subway shall be known as any electrical conduits or pipes of less than 100 linear feet connecting with the subway system or used for service purposes.

*h.* No subsidiary shall parallel an existing subway on the same street for more than one-half the distance between the manholes, except by special written permission of said Department.

Note.—In the construction of electrical subways sufficient conduits should be laid in all subway systems to allow for the probable future requirements of all tenants.

3. Applications for Space—*a.* All applications for space in any subway must be made in writing to the subway company owning the same, and must give

The name of the applicant.

The purpose for which the conduit or conduits is desired.

The number, material and dimensions of conductors proposed to be placed therein.

The arrangement of said conductors, whether singly or in cables, and if in cables, the number of conductors and their disposition in each cable.

The maximum electro-motive force to be used on said conductors.

The nature of the insulating material or materials to be employed, and

Such other specific information as will fully explain the use to be made of the space desired.

*b.* When applications have been made and space assigned for conduits underground, the written consent of the Commissioner must be obtained before any conductors are placed in the space so assigned.

4. Repairs, Alterations and Extensions of Conductors—*a.* All applications for permits to make repairs or alterations in conductors in the subways must be made in writing to the subway company, and must give

The name of the applicant.

A complete identification of the conductor or conductors referred to, and of the particular conduit or conduits to which access is desired.

The extent and character, as far as possible, of the proposed repairs or alterations and of the probable date when the same will be completed, and the conductor or conductors restored to condition for use.

5. *a.* Whenever, in the judgment of the Commissioner of Water Supply, Gas and Electricity, the subway company, or any properly authorized agent, repairs or alterations in a conductor or conductors are necessary, such repairs or alterations must be made by the party owning or controlling said conductors immediately upon notice. During the progress of any repairs or alterations upon, or in, a conductor or conductors, the party owning the same must take such precaution as may be necessary or expedient to protect the conductors of other parties from injuries. Temporary joints will not be permitted unless properly insulated and protected.

*b.* Cables drawn in subsidiaries for service connections to buildings, must not be run through basements or cellars to the adjacent buildings. If it is desired to extend service from a building in which a subsidiary enters to an adjacent building, the cables must be run in conduit looped around the outside walls of the building, and will not be permitted through a wall or partition separating buildings.

*c.* Service conductors must always terminate in an approved device located in the front of a building. In the event of the conditions warranting the service to enter the side or rear of a building, the conduit must be brought, where practicable, through the cellar to a device at the front wall of the building.

*d.* Upon disconnecting house wiring from service conductors having a difference of potential of over 500 volts, the live ends of the underground cables must be entirely enclosed in an approved iron box mechanically secured to the conduit, locked or sealed to prevent contact being made with surrounding material, or the tampering or connecting with the conductors by unauthorized persons; where it is impracticable to do so the cables must be disconnected in the subway manhole.

*e.* All cables placed in any electrical subway or subsidiary must be protected by a lead covering which must be continuous from end to end; where splices occur the lead covering must be joined by a lead coupling soldered so as to make a water-tight joint.

*f.* Conductors carrying an alternating voltage of over 500 volts must never enter a building further than the cellar.

6. Insulation and Tests—All conductors drawn into and operated in the conduits, and intended to convey current of two or more amperes with an electro-motive force exceeding five hundred and fifty (550) volts, shall have withstood at the factory or power-station a test for "breaking down" strength at an electrical pressure at least two and one-half times greater than the maximum electrical potential to which the said conductors shall be subjected in actual operation; must have, when laid and connected in subways, at a temperature of 60 degrees Fahr., an initial insulation resistance of not less than two megohms per mile per hundred volts electro-motive force on the circuit. Whenever the insulation resistance of a conductor as aforesaid shall prove to be less than one-half (½) megohm per mile per one hundred volts, the use of that conductor must at once cease, unless the actual electro-motive force on such conductors be reduced so as to re-establish the foregoing ratio.

7. The insulation resistance per mile length of all branches and feeders of the main conductors must at least equal that of the respective conductors to which said branches and feeders are connected.

8. Determination of Resistance and Tests—The insulation resistance of each length of cable or conductor must be determined before said length is laid in the subway. All lines must be tested for insulation resistance immediately after completion in the subway, and those carrying currents of over two amperes at 550 volts must be tested thereafter at least weekly. A conductor must be tested for insulation resistance immediately after any new connection with, addition or repair to, or alteration of any sort in, said conductor is made, and also whenever any other conductor

is placed in the same duct; conductors conveying currents of less than two amperes at a pressure of less than five hundred and fifty (550) volts are excepted from the rule.

9. Reports to be Filed with this Department and with the Subway Company—  
a. All tests and determinations called for by these rules must be made by the parties owning or controlling conductors. Duly authenticated records of the results of such tests and determinations must be filed with said Department, and also with the Subway Company within twenty-four hours after the completion of same, if required, and said Department shall have power to verify or repeat such tests or determinations on its discretion.

b. Records must be kept, in writing, by the attendant in charge at central stations, of the operations of machines, condition of circuits as shown by tests, occurrence of "grounds," and copies of such daily records must be forwarded on demand, to said Department.

c. Access to all central stations must be accorded to any duly authorized agent of the Department of Water Supply, Gas and Electricity, who shall have the right to examine the records of such station's operations at any time.

d. Immediately after any repairs or alterations are made to a conductor or conductors, a report giving them in detail must be made to said Department and to the Subway Company.

e. In addition to the initial and regular tests, hourly tests must be made at the power-station while the circuits are in operation, and when such tests show the presence of "escape" or "grounds" on any conductor, the operation of such conductor must at once cease, as provided in Rule No. 6.

f. All alterations or additions to the subways for the purpose of connecting conductors therein with points outside must be made by the Subway Company, upon the request of the lessee desiring the same, provided the same have been authorized by the Commissioner of Water Supply, Gas and Electricity, and the expense of making such additions or alterations is satisfactorily guaranteed by the parties desiring them. These requirements do not apply to systems in which the neutral is grounded, as recommended in Class "A" of this code.

10. Rentals—Rentals must be paid yearly in advance. Applicants are required to enter into a written contract with the Subway Company, and give satisfactory guarantee for its performance.

11. Access to Subways and Manholes—  
a. All manholes must have the inner cover locked with a special manhole padlock of the Subway Company, the keys of which must be kept in the possession of the Subway Company.

b. Access to the subways is limited to the authorized representatives of:

The Department of Water Supply, Gas and Electricity;

The Subway Company; and

The lessees or occupants of the ducts.

c. Access to the subways can be had upon application to the Subway Company or its regular inspector. Except in cases of emergency, access to the subways will not be permitted between sunset and sunrise. The Subway Company may, in its judgment, deny access or postpone same.

d. Access to the subways can only be had in the presence of an Inspector of the Subway Company, who shall hold possession of the keys of the manhole; who shall see that the manholes are properly opened and closed by the tenant; who shall remain present during the operation of the tenants, and who is hereby charged with the duty of seeing that the Subway Company's property and the property of its tenants are not injured. The Inspector is also charged with the enforcement of all rules relating to the use of the subway, and he may suspend any employee of the tenant engaged on the work connected with the subways who violates any of these rules and regulations.

e. The Commissioner of Water Supply, Gas and Electricity, or the Subway Company, by a properly authorized agent, has authority to require such alterations in conductors as may be deemed necessary for their safety, or the safety of the subways, or of the adjacent conductors; and also to cause the current in any conductor to be interrupted or reduced for such period of the time as may be requisite in the judgment of said agent for the proper protection for necessary convenience of persons working in the manholes, or upon the subways in the vicinity of said conductor.

f. Tags must be placed on all cables for identification.

12. Manhole and Guard Frames—Whenever a manhole is opened, the tenant must place an iron guard frame in the street opening. When manholes are opened, before commencing work the tenant must satisfy himself that they are free from gas, and if not, he must ventilate the manholes. The Subway Company will provide, for such purposes, a fan or blower to be operated by the applicant for such time as may, in the judgment of his authorized representative, be sufficient to clear the manholes of gas to such an extent as to render it safe for his workmen to enter therein; and no light shall be used by the tenant in his operation in the manholes, except when the above examination has shown the absence of gas. If, after the first ventilation, gas is noticed, the tenant must cause the ventilation to be continued.

13. Watchmen on the Surface—  
a. In all work conducted in the manholes, one man must always be provided by the tenant to act as watchman on the surface at each manhole when open, who must keep constant guard and warn pedestrians, drivers of carriages, trucks, street cars, etc., and who must assist the Subway Inspector in whatever the latter requires in emergency.

b. Smoking in or around manholes is prohibited.

c. No one under the influence of liquor will be allowed to engage in the work in the subways.

14. Protection Against Dust and Wind—No cover of any kind whatsoever will be allowed by the tenant to be placed over the manhole opening; but a shield may be placed around the windward half of the iron frame to protect the workmen from dust and wind.

#### RULES AND REGULATIONS FOR OVERHEAD WIRES, POLES, LAMPS, FIXTURES, ETC., IN THE CITY OF NEW YORK.

Wires are divided into two classes—

1st. Those for telegraph, telephone and signaling purposes.

2d. Those for electric light and power.

15. Poles—Two lines of poles bearing conductors of a like class must not be erected in any street or avenue.

16. Two lines of poles, for other than street railroads, must not be erected on the same side of any street or avenue.

17. Poles must be set in the sidewalk about twelve inches from the outside curb, and no pole shall be placed within ten feet of any lamp-post, hydrant or other pole, for other than street railroads, except at street corners, where necessary in order to support wires running on the cross street.

18. All poles now standing, or erected hereafter, must be branded or stamped with the initials of the company owning them, at a point not less than five nor more than seven feet from the street surface; and each group of cross-arms, or, where necessary, the support of a single wire of different ownership, must be distinguished by some characteristic paint, mark or fastening.

19. Electric-light lamp-posts must conform with a design approved by said Department.

20. All poles carrying three (3) or more cross-arms must be at least forty-five feet high, uniform in size, straight and have a clearance between the under side of the bottom cross-arm and curb of at least twenty-two feet, diameter of pole to be approved by said Department, and must be painted from top to bottom such colors as may be designated, when required, by said Department.

21. All poles carrying one (1) cross-arm or not more than two (2) cross-arms must be at least twenty-five feet high, uniform in size, straight and have a clearance between the under side of the bottom cross-arm and curb of at least twenty-two feet, diameter of pole to be approved by said Department, and must be painted from top to bottom such colors as may be designated, when required, by said Department.

22. Cross-arms must be uniform in length, strengthened by braces, and painted the same color as the poles, the cross-arms of each company being distinguished by some characteristic mark.

23. Each line of poles must be run on one side of the street only, except when absolutely necessary to change to the other side; but, permission for such change must first be obtained from said Department.

24. Poles must be uniformly spaced, and about sixty to the mile for electric light and power purposes, and not less than forty to the mile for telegraph and tele-

25. Conductors must not be placed upon fixtures erected or maintained for supporting wires of another class, except at crossings when approved by said Department.

26. All existing regulations in regard to the placing of poles and stringing of wires are to continue in force, except when in conflict with these rules; and the Rules and Regulations of the New York Board of Fire Underwriters must be strictly observed.

27. When any company is permitted to erect poles or other fixtures bearing lamps for the purpose of lighting the streets or public places of the City, the permission is subject to the following provisions, which are expressly made a condition of said permits, viz:

Whenever the contract for lighting any such public places shall be given to another company, the company owning said lamp-posts must, on tender of the first cost thereof, yield possession of same to the company obtaining the new contracts, except in cases where the company owning the lamp-posts prefer to remove them.

28. All broken and "dead" wires, and all wires, poles and fixtures not actually in use (subject to Rule 41) must be removed. When a pole is taken down it must be removed from the streets the same day. New poles must not be brought upon any street more than two days in advance of erection. Any pole that shall lie in any street more than two days will be removed by the President of the Borough in which such pole is, at the expense of the owner thereof.

29. Wires—All wires must be fastened upon poles or other fixtures with glass, porcelain, rubber, or other insulators, approved by said Department, and must be stretched tightly and fastened with a strap of the same kind of wire or other fastening approved by him.

30. All wires which would normally pass within four inches of any pole, building or other object, must be attached to the same and insulated therefrom. Any company refusing permission to make such fastening to its poles will be guilty of violating this rule. All wires strung on housetops must be nine (9) feet clear of roof.

31. No wire shall be allowed to hang within twenty feet of pavement at the lowest point of sag between supports, except where required to reach a lamp or where otherwise necessary, and must be protected by extra covering and be rigidly fixed and out of the way.

32. Every line, pole, fixture, etc., must be kept in thorough order, repair and conformity with these rules and regulations and specifications in every case where possible, under the general permit of repairs (Rule 46), upon penalty of forfeiture of all permits not actually acted upon, and a refusal to grant new permits until the rule is complied with; but no additional poles or wires can be erected under cover of repairs, nor shall any route or location be changed without a permit.

33. Electric Light and Power Wires—All electric-light conductors must be secured to insulating fastenings and covered with an insulation which is water-proof and not easily worn by abrasion. Whenever the insulation becomes impaired it must be renewed immediately.

34. All joints must be as well insulated as the conductors, and the insulation of joints must be maintained.

35. Every wire must be distinguished by a number plainly marked on each cross-arm under the insulator. Day circuits must be conspicuously distinguished. All high-tension arc lamps must be so placed as to leave a space underneath of nine (9) feet clear between lamp and sidewalk.

36. Every wire entering a building must be controlled by a cutout placed near the entrance, in sight, and easily accessible.

37. In the construction of lines the insulation to be used must be approved by said Department, in writing. Under no circumstances shall underwriters' wire be used.

38. All connections with lines of electric-light conductors must be made at right angles to the line where possible; and connections to buildings must be run straight across to the building, and then down in front of the building. Service wires lying within reach of the tenant and operated at a potential exceeding 550 volts must be insulated by rubber 6-32-inch in thickness, covered by two coarse cotton braids impregnated by moisture repellant, unless a grounded metallic armor is used.

39. The insulation must be preserved throughout the entire circuit, and if any portion of a lamp or fixture is part of the circuit and can be reached it must be insulated.

40. All circuits must be tested every hour, and when a ground occurs, efforts must be made to remove it at once. Failing in this, the current must be discontinued until the insulation is restored.

41. No unused loops from electric-light circuits will be allowed to remain after lamps have been taken away, except in cases where it is positively known that the lamp will be required again within three months, and where there is no underground conduit for this class of circuit. When allowed to remain, the joint in the loop must be as well insulated as the line itself.

42. No company shall do a business of electric lighting in The City of New York without a certificate from the Commissioner of Water Supply, Gas and Electricity after the plant and lines have been inspected and found to comply with all the rules and regulations of said Department, such certificate to remain in force only so long as the condition of the plant and lines remain unchanged, and notice of any alteration to the plant or lines must be made to said Commissioner and a permit obtained.

43. Guard Wires—All owners of overhead trolley or high-tension conductors must so protect them with guard wires, where required, as to prevent other wires from coming in contact with them.

44. Linemen—Every lineman must wear rubber gloves while at work, and must wear a badge in a conspicuous place, giving his number and the name of the company by which he is employed.

45. Permits—No electrical conductors shall be erected, maintained or placed overhead or underground without a permit in writing therefor being first obtained from said Department; and before such permit is issued the person or company wishing to place or maintain said wires must make application to said Department in writing, stating the size of said wire, the purpose or use for which the same is intended, and the character of the current intended to be conveyed by same.

46. All companies are authorized and directed to make necessary repairs to their lines of conductors. Permits for the same will be granted by said Department upon application. In cases of emergency repairs may be made without this permit, but a full report of such repairs must be forwarded at once to said Department. This permission does not, however, cover the erection in any street, avenue or highway of any additional wires, poles or other similar fixtures.

47. In the case of such lines where notice has been given that underground accommodations have been provided and the notices of time required by law have elapsed, companies owning or operating such lines are not authorized to make any repairs or connections, or to go upon the poles bearing such lines for any purpose whatever, except to remove the said lines of electrical conductors in conformity with the direction of said Department.

48. The amount of wire allowable for lamp connections from subway subsidiaries to lamps or buildings must not exceed one hundred feet, and from pole lines to lamps or buildings must not exceed two hundred and twenty-five feet, and must conform in every way with the Rules and Regulations of said Department.

49. All permits of said Department for overhead wires and fixtures are granted only pending the providing of underground accommodations in the neighborhood of the street or avenue for which a permit is granted.

50. Any officer, employee of said Department, or any member of the Police Department of the City shall be entitled to examine permits under which work of any kind is being done.

51. No permit shall be granted for the erection of any overhead structure, nor for the repairing of any lines already existing in any street in which underground accommodations for the service have been provided.

52. The violation of any of the Rules and Regulations of the Department of Water Supply, Gas and Electricity shall operate ipso facto as a revocation of the permit held by the company or person guilty of such violation.

53. Every company or person erecting poles, wires or fixtures must make and file each week, in the office of said Department, such record of the fixtures, etc., which they are erecting, and of all of the same that they have in use, as is required by the said Department, and in such form as shall be described by it.

54. The company or persons owning or controlling poles in any street or avenue must allow the same to be used by other companies or persons operating conductors of a similar electrical service, when authorized to do so by said Department, on tender of proper compensation, to be determined by agreement between the parties

interested. In default of such an agreement the amount of such compensation shall be determined by the Commissioner of said Department. This rule imports a contract on the part of each company or persons owning or controlling the poles on any street or avenue, not only with said Department, but also with each company or person who shall, under its terms, be qualified to demand the privileges which it confers, to permit this joint use of poles.

55. And in accepting any permit the applicant hereby binds himself to this agreement.

**RULES AND REGULATIONS FOR INTERIOR WIRING, MACHINERY, FIXTURES, ETC., IN THE CITY OF NEW YORK.**

**GENERAL PLAN GOVERNING THE ARRANGEMENT OF RULES.**

- Class A.—Central Station, Dynamo, Motor and Storage-Battery Rooms, Transformer Sub-Stations, etc. Rules 56 to 66.
- Class B.—Outside Work, all systems and voltages. Rules 67 to 68.
- Class C.—Inside Work. Rules 69 to 104. Subdivided as follows:
  - General Rules, applying to all systems and voltages. Rules 69 to 74.
  - Constant Current systems. Rules 75 to 77.
  - Constant-Potential systems.
  - All voltages. Rules 78 to 81.
  - Voltage not over 300. Rules 82 to 98.
  - Voltage between 300 and 3,500. Rules 99 to 104.
  - Voltage over 3,500. Rules 105 and 106.
- Class D.—Specifications for Wires and Fittings. Rules 107 to 120.
- Class E.—Miscellaneous. Rules 126 to 133.
- Class F.—Marine Wiring. Rules 134 to 147.

**GENERAL SUGGESTIONS.**

In all electric work, conductors, however well insulated, must always be treated as bare, to the end that under no conditions, existing or likely to exist, can a grounding or short circuit occur, and so that all leakages from conductor to conductor, or between conductor and ground, may be reduced to the minimum.

In all wiring special attention must be paid to the mechanical execution of the work. Careful and neat running, connecting, soldering, taping of conductors, and securing and attaching of fittings, are specially conducive to security and efficiency and will be strongly insisted upon.

In laying out an installation, except for constant current systems, the work should, if possible, be started from a centre of distribution, and the switches and cut-outs, controlling and connected with the several branches, be grouped together in a safe and easily accessible place, where they can be readily reached for attention or repairs. The load should be divided as evenly as possible among the branches, and all complicated and unnecessary wiring avoided.

The use of wire-ways for rendering concealed wiring permanently accessible is heartily indorsed and recommended; and this method of accessible concealed construction is advised for general use.

Architects are urged, when drawing plans and specifications, to make provision for the chaneling and pocketing of buildings for electric light or power wires, and in specifications for electric gas-lighting to require a two-wire circuit, whether the building is to be wired for electric lighting or not, so that no part of the gas fixtures or gas piping be allowed to be used for the gas-lighting circuit.

Deviation from these rules and regulations may only be made when approved, in writing, by the Commissioner of Water Supply, Gas and Electricity, or his authorized representative.

Current must never be introduced on any electrical wiring, machinery or apparatus installed in any building in The City of New York, without first obtaining a certificate from the Department of Water Supply, Gas and Electricity.

**CLASS A.—STATIONS AND DYNAMO ROOMS.**

Includes Central Stations, Isolated Plants, Dynamo, Motor and Storage-battery Rooms, Transformer Sub-stations, etc.

56.—Generators—*a.* Must be located in a dry place.  
*b.* Must never be placed in a room where any hazardous process or business is carried on, nor in places where they would be exposed to inflammable gases or flyings of combustible materials.

*c.* Must be insulated on floors or base frames, which must be kept filled to prevent absorption of moisture, and also kept clean and dry. Where frame insulation is impracticable said Department may, in writing, permit its omission, in which case the frame must be permanently and effectively grounded.

*d.* A high-potential machine which, on account of great weight or for other reasons cannot have its frame insulated from the ground, must be surrounded with an insulated platform. This may be made of wood, mounted on insulating supports, and so arranged that a man must always stand upon it in order to touch any part of the machine.

In case of a machine having an insulated frame, if there is trouble from static electricity due to belt friction, it must be overcome by placing near the belt a metallic comb connected with the earth, or by grounding the frame through a very high resistance.

Note.—It is recommended that the neutral of all central station systems be grounded.

*e.* Every constant-potential generator, in other than a central station, must be protected from excessive current by a safety fuse, or equivalent device of approved design, in each lead wire, to be placed on the machine or as near it as possible.

*f.* Must each be provided with a name-plate, giving the maker's name, the capacity in volts and amperes, and the normal speed in revolutions per minute.

*g.* Every generator used for lighting or power purposes must have in circuit on switchboard current and potential indicating devices, except where belted to counter shaft, and where not exceeding three K. W., nor potential of 125 volts.

*h.* Connecting terminals, on generators with a current in excess of 25 amperes, must be provided with suitable connecting lugs into which the leads can be soldered; these lugs to be sufficiently large to take stranded conductors based on the total output of the generators, the conductors being based on carrying capacity prescribed in the rules for rubber-covered conductors.

57. Conductors—From generators to switchboards, rheostats or other instruments, and thence to outside lines.

*a.* Must be in plain sight or readily accessible.

*b.* Must have an approved insulating covering as called for by rules in Class "C" for similar work, except that in central stations, on exposed circuits, the wire which is used must have a heavy braided incombustible outer covering.

Bus bars may be made of bare metal.

*c.* Must be kept so rigidly in place that they cannot come in contact.

*d.* Must, in all other respects, be installed under the same precautions as required by rules in Class "C," for wires carrying a current of the same volume and potential.

58. Switchboards—The general term "switchboards," as used herein, is intended to cover all switchboards, distributing boards, meter boards, cut-out boards, etc., that are to be mounted without cases immediately inclosing them, and must be made to comply with the following specifications, except in those special cases where it is impossible or impracticable to do so. In all such cases a drawing showing the particular features must be submitted to said Department for its approval before being installed.

*a.* Must be so placed as to reduce to a minimum the danger of communicating fire to adjacent combustible material, and must not be built down to floor nor up to ceiling, but a space of at least 10 inches must be left between floor and board, and 18 inches between board and ceiling, except where floor, ceiling, side walls and adjacent material are fireproof.

*b.* Must be made of incombustible insulating material or of hard wood in skeleton form, filled to prevent absorption of moisture.

*c.* Must be accessible from all sides when the connections are on the back, but may be placed against a brick or stone wall when the wiring is entirely on the face, provided a distance of one inch is left between board and wall.

*d.* Must be kept free from moisture.

*e.* Bus bars must be equipped in accordance with rules for placing conductors.

*f.* In general, switchboards must be carefully designed and constructed with due

regard to the particular service they are to perform; and particular attention must be given to the arrangement for the convenient and safe handling of the apparatus located at the board or controlled therefrom.

*g.* All switchboards must have the maker's name or trade-mark plainly marked on them in such place that it may be seen when the board is in position. This may be stamped on the bus bars, or may be on a name-plate suitably fastened to the board, and may be on the back of the board when that part is accessible.

*h.* Switchboards for controlling dynamos or generators must have at least one voltmeter, and must have an am-meter for each machine, except where belted to counter shaft, and where not exceeding three K. W., nor potential of 125 volts.

*i.* All dynamos and feeder leads in other than a central station must have each pole controlled by a knife switch and fuse or circuit-breaker.

*j.* Adequate means must be provided for indicating grounds.

*k.* Bases must be made of marble or slate. If it is desired to use any other material a sample must be submitted to said Department for its approval before being installed.

*l.* All switches, fuse connections, etc., must comply with the rules and requirements given for knife switches. (Rule 118.)

*m.* The air spaces between live uninsulated conductors of opposite polarity, when held free of any surface, must be at least—

Amperes.	125 and 250 Volts.
35 amperes or less.....	1/4 inch.
36 to 300 amperes.....	3/4 "
301 to 3,000 amperes.....	1 "

When lying on a surface the spaces between live, uninsulated conductors of opposite polarity must be equal to those given in table:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.	
	125 Volts.	250 Volts.
10.....	3/4 inch.	1 1/4 inch.
35.....	3/4 "	1 1/2 "
50.....	1 "	1 3/4 "
100.....	1 "	1 3/4 "
300.....	1 "	2 "
1,000.....	1 1/4 "	2 1/2 "

Except when barriers are used, when the spaces may be reduced, as provided for in the rules and requirements for knife switches.

The following table shows the minimum break distance and the separation of the nearest metal parts of opposite polarity for plain open link fuses, when mounted on marble or slate bases for different voltage and different currents:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.		Minimum Break Distance.	
	125 Volts.	250 Volts.	125 Volts.	250 Volts.
10.....	3/4 inch.	1 1/2 inch.	3/4 inch.	1 1/4 inch.
35.....	3/4 "	1 1/2 "	3/4 "	1 1/4 "
50.....	1 "	1 3/4 "	3/4 "	1 1/4 "
100.....	1 "	1 3/4 "	3/4 "	1 1/4 "
300.....	1 "	2 "	1 "	1 1/2 "
1,000.....	1 1/4 "	2 1/2 "	1 1/4 "	2 "

**59. Resistance Boxes and Equalizers—**

(For construction rules see No. 126.)

*a.* Must be placed on a switchboard, or, if not thereon, at a distance of at least a foot from combustible material, or separated therefrom by a non-inflammable, non-absorptive insulating material.

*b.* Connecting terminals on resistance boxes and equalizers with a current in excess of 25 amperes must be provided with suitable connecting lugs into which the leads can be soldered; these lugs to be sufficiently large to take stranded conductors based on the total output of the resistance box and equalizers, the conductors being based on carrying capacity prescribed in the rules for rubber-covered conductors.

**60. Lightning Arresters—**

(For construction rules see No. 129.)

*a.* Must be attached to each side of every overhead circuit connected with the station, and also to be placed at intervals on the system in such numbers and so located as to prevent ordinary discharges entering (over the wires) buildings connected to the lines.

*b.* Must be located in readily accessible places, away from combustible materials, and as near as practicable to the point where the wires enter the building.

Station arresters must be placed in plain sight on the switchboard. In all cases kinks, coils and sharp bends in the wires between the arresters and the outdoor lines must be avoided as far as possible.

*c.* Must be connected with a thoroughly good and permanent ground connection by metallic strips or wires having a conductivity not less than that of a No. 6 B. & S. copper wire, which must be run as nearly in a straight line as possible from the arresters to the earth connection.

Ground wires for lightning arresters must not be attached to gas-pipes within the buildings.

Note.—It is often desirable to introduce a choke coil in circuit between the arresters and the dynamo. In no case must the ground wire from a lightning arrester be put into iron pipes, as these would tend to impede the discharge.

61. Care and Attendance—*a.* A competent man must be kept on duty where generators are operating.

*b.* Oily waste must be kept in approved metal cans and removed daily.

Approved waste cans must be made of metal, with legs raising can three inches from the floor, and with self-closing covers.

62. Testing of Insulation Resistance—*a.* All circuits except such as are permanently grounded in accordance with Rule 68 must be provided with reliable ground detectors. Detectors which indicate continuously and give an instant and permanent indication of a ground are preferable. Ground wires from detectors must not be attached to gas-pipes within the building.

*b.* Where continuously indicating detectors are not feasible, the circuits must be tested at least once per day, and preferably oftener.

*c.* Data obtained from all tests must be preserved for examination by the Inspection Bureau of the Department of Water Supply, Gas and Electricity having jurisdiction.

63. Motors—*a.* Must be insulated on floors or base frames, which must be kept filled to prevent absorption of moisture, and must be kept clean and dry. Where frame insulation is impracticable, the said Inspection Bureau having jurisdiction, may, in writing, permit its omission, in which case the frame must be permanently and effectively grounded.

*b.* A high-potential machine, on account of great weight, or for other reasons, cannot have its frame insulated, must be surrounded with an insulated platform. This may be made of wood, mounted on insulating supports, and so arranged that a man must stand upon it in order to touch any part of the machine.

In case of a machine having an insulated frame, if there is trouble from static electricity due to belt friction, it must be overcome by placing near the

DEC 31 1902

lic comb connected to the earth, or by grounding the frame through a very high resistance of not less than 300,000 ohms.

c. Must be wired under the same precautions as required by rules in Class "C" for wires carrying a current of the same volume and potential.

d. Connecting terminals on motors with a current in excess of 25 amperes, must be provided with suitable connecting lugs into which the leads can be soldered; these lugs to be sufficiently large to take stranded conductors based on the total output of the motors, the conductors being based on carrying capacity prescribed in the rules for rubber covered conductors.

e. The motor and resistance box must be protected by a cut-out and controlled by a switch, said switch plainly indicating whether "on" or "off." Where one-quarter horse-power or less is used on low-extension circuits, a single-pole switch will be accepted. The switch and rheostat must be located within sight of the motor, except in such cases where special permission to locate them elsewhere is given, in writing, by said Department.

f. Must have their rheostats or starting boxes located so as to conform to the requirements of Rule 59.

g. In connection with motors the use of circuit breakers, automatic starting boxes, and automatic under-load switches are recommended, and they must be used when required.

h. Must not be run in series-multiple or multiple-series, except on constant-potential systems, and then only by special permission of said Department.

i. Must, if deemed necessary by said Department, be inclosed in an improved case.

Note.—From the nature of the question, the decision as to what is an approved case must be left to said Department to determine in each instance.

j. Must, when combined with ceiling fans, be hung from insulated hooks, or else there must be an insulator interposed between the motor and its support.

k. Must each be provided with a name-plate, giving the maker's name, the capacity in volts and amperes, and the normal speed in revolutions per minute.

l. All motors must be provided with an approved metal drip-pan, except where its omission is permitted by said Department.

64. Railway Power Plants—Must be equipped in each feed wire, before they leave the station, with an approved automatic circuit breaker (see No. 72) or other device, which will immediately cut off the current in case of a ground. This device must be mounted on a fireproof base, and in full view and reach of the attendant.

65. Storage or Primary Batteries—*a.* When current for light and power is taken from primary or secondary batteries, the same general regulations must be observed as applied to similar apparatus fed from dynamo generators developing the same difference of potential.

*b.* Storage-battery rooms must be thoroughly ventilated.

*c.* Special attention is directed to the rules for rooms where acid fumes exist. (See Nos. 82j and 82k.)

*d.* All secondary batteries must be mounted on non-absorptive, incombustible insulators, such as glass or thoroughly vitrified and glazed porcelain.

*e.* The use of any metal liable to corrosion must be avoided in cell connections of secondary batteries.

66. Transformers—  
(For construction rules see No. 128.)

*a.* In central or sub-stations the transformers must be so placed that smoke from the burning out of the coils or the boiling over of the oil (where oil-filled cases are used) could do no harm.

*b.* Metal cases immediately surrounding converters, where located in readily accessible places, must be effectively grounded.

Note.—It is recommended that all secondaries of transformer systems be grounded at the neutral point.

CLASS B—OUTSIDE WORK.  
All Systems and Voltages.

67. Wires—*a.* Service wires must have an approved rubber insulating covering. All tie wires must have an insulation equal to that of the conductors they confine.

*b.* Must be so placed that moisture cannot form a cross connection between them, not less than a foot apart, and not in contact with any substance other than their insulating supports. Service blocks must be covered over their entire surface with at least two coats of waterproof paint.

*c.* Must not be strung over house tops unless special permission of said Department is first obtained.

*d.* Must be protected by "dead" insulated guard iron or wires from possibility of contact with other conducting wires or substances to which current may leak, when required by said Department.

*e.* Must be provided with petticoat insulators of glass or porcelain where the potential exceeds 300 volts. Porcelain knobs or cleats and rubber hooks will not be approved.

*f.* Must be so spliced or joined as to be both mechanically and electrically secure without solder. The joints must then be soldered, to insure preservation, and covered with an insulation equal to that on the conductors.

*g.* Must, where they enter buildings, have drip loops outside, and the holes through which the conductors pass must be bushed with incombustible, non-absorptive insulating tubes slanting upward toward the inside.

*h.* Every electric conductor furnishing light, heat or power, led into any building from the outside thereof, must enter the building from the street front and must be arranged with suitable appliance to cut off the current at the point of entrance. In cases where it is impracticable for the conductors to be carried from the subways or outside feeders direct into the building, from the outside thereof, special permission may be granted by said Department for electric current to be carried from one building to the building on either or both sides thereof, provided the supply conductors are run in approved manner and located in vault or areaway outside of main buildings, but in no case shall more than three buildings be connected to one service supply.

*i.* The metallic sheaths to cables must be permanently and effectively connected to "earth."

*j.* Conductors supplying more than 660 watts, installed in conduit on the outside of any building, must have a lead covering, which must be continuous from end to end; where splices occur, the lead covering must be joined by a lead coupling, soldered, so as to make a water-tight joint.

Trolley Wires.

*k.* Must not be smaller than No. 0. B. & S. copper, or No. 4 B. & S. silicon bronze, and must readily stand the strain put upon them when in use.

*l.* Must have a double insulation from the ground. In wooden pole construction the pole will be considered as one insulation.

*m.* Must be capable of being disconnected at the power plant, or of being divided into sections, so that, in case of fire on the railway route, the current may be shut off from the particular section and not interfere with the work of the firemen. This rule also applies to feeders.

*n.* Must be safely protected against accidental contact where crossed by other conductors.

Ground Return Wires.

*o.* For the diminution of electrolytic corrosion of underground metal work, ground return wires must be so arranged that the difference of potential between the grounded dynamo terminal and any point on the return circuit will not exceed twenty-five volts.

68. Grounding Low-Potential Circuits—The grounding of low-potential circuits under the following regulations is only allowed when such circuits are so arranged that under normal conditions of service there will be no passage of current over the ground wire.

Direct Current 3-Wire Systems.

*a.* Neutral wire may be grounded, and when grounded the following rules must be complied with:  
*1.* Must be grounded at the central station on a metal plate buried in coke below permanent moisture level, and also through all available underground water

*2.* In underground systems the neutral wire must also be grounded at each distributing box through the box.

*3.* In overhead systems the neutral wire must be grounded every 500 feet, as provided in sections c, e, f and g.

This Department may require grounding if it deems the same necessary.  
Two-wire direct-current systems having no accessible neutral point are not to be grounded.

Alternating-Current Secondary Systems.

*b.* The neutral point of transformers or the neutral wire of distributing systems may be grounded, and when grounded the following rules must be complied with:

*1.* Transformers feeding 2-wire systems must be grounded at the centre of the secondary coils, as provided in sections d, e, f and g.

*2.* Transformers feeding systems with a neutral wire must have the neutral wire grounded, as provided in sections d, e, f and g, at the transformer, and at least every 250 feet apart for overhead systems and every 500 feet for underground systems. The Department may require grounding if it deems the same necessary.

Ground Connections.

*c.* The ground wire in direct-current 3-wire systems must not, at central stations, be smaller than the neutral wire and not smaller than No. 6 B. & S. elsewhere.

*d.* The ground wire in alternating-current systems must never be less than No. 6 B. & S., and must always have equal carrying capacity to the secondary lead of the transformer, or the combined leads where transformers are banked.

*e.* The ground wire must be kept outside of buildings, but may be directly attached to the building or pole. The wire must be carried in as nearly a straight line as possible, and kinks, coils and sharp bends must be avoided.

*f.* The ground connection for central stations, transformer sub-stations, and banks of transformers must be made through metal plates buried in coke below permanent moisture level, and connection must also be made to all available underground piping systems, including the lead sheath of underground cables.

*g.* For individual transformers and building services the ground connection may be made as in section F, or may be made to water or other piping systems running into the buildings. The connection may be made by carrying the ground wire into the cellar and connecting on the street side of meters, main cocks, etc., but connection must never be made to any lead or iron pipes of any gas service pipes.

CLASS C—INSIDE WORK.

All Systems and Voltages.

GENERAL RULES—ALL SYSTEMS AND VOLTAGES.

69. Wires—  
(For special rules see Nos. 75, 82, 99, 105, 106.)

*a.* Must not be of smaller size than No. 14 B. & S., except as allowed under Rules 82u and 112b.

*b.* Tie wires must have an insulation equal to that of the conductors they confine.

*c.* Must be so spliced or joined as to be both mechanically and electrically secure without solder; they must then be soldered to insure preservation, and the joint covered with an insulation equal to that on the conductors.  
Stranded wires must be soldered before being fastened under clamps or binding screws, and, whether stranded or solid, when they have a conductivity greater than No. 8 B. & S. copper wire, they must be soldered into lugs.

*d.* Must be separated from contact with walls, floors, timbers or partitions through which they may pass by incombustible, non-absorptive insulating tubes, such as glass or porcelain. Bushings must be long enough to bush the entire length of the hole in one continuous piece, or else the hole must first be bushed by a continuous waterproof tube, which may be a conductor, such as iron pipe; the tube then is to have an approved, continuous, non-conducting bushing pushed in at each end so as to keep the wire absolutely out of contact with the conducting pipe.

*e.* Must be kept free from contact with gas, water or other metallic piping, or any other conductors or conducting material which they may cross, by some continuous and firmly fixed non-conductor, creating a separation of at least one inch. Deviations from this rule may sometimes be allowed by special permission.

*f.* Must be so placed in wet places that an air space will be left between conductors and pipes in crossing, and the former must be run in such a way that they cannot come in contact with the pipe accidentally. Wires must, when possible, be run over rather than under, pipes upon which moisture is likely to gather, or which, by leaking, might cause trouble on a circuit.

70. Underground Conductors—*a.* Must be protected, when brought into a building, against moisture and mechanical injury, and all combustible material must be kept removed from the immediate vicinity.

*b.* Must not be so arranged as to shunt the current through a building around any junction box.

*c.* Must, where they enter buildings, have drip loops outside, and the holes through which the conductors pass must be bushed with incombustible, non-absorptive insulating tubes slanting upwards toward the inside.

*d.* Every electric conductor furnishing light, heat or power, led into any building from the outside thereof, must enter the building from the street front, and must be arranged with suitable appliances to cut off the current at the point of entrance. In cases where it is impracticable for the conductors to be carried from the subways or outside feeders direct into the building, from the outside thereof, special permission may be granted by said Department for electrical current being carried from one building to the building on either or both sides thereof, provided the supply conductors are run in approved manner and located in vault or areaway outside of main buildings, but in no case shall more than three buildings be connected to one service supply.

71. Table of Carrying Capacity of Wires—*a.* Below is a table which must be followed in placing interior conductors, showing the allowable carrying capacity of copper wires and cables of ninety-eight per cent. conductivity, according to the standard adopted by the American Institute of Electrical Engineers.

*b.* For insulated aluminum wire the safe carrying capacity is eighty-four per cent. of that given in the following tables for copper wire with the same kind of insulation:

	Table A. Rubber Covered Wires. See No. 108.		Table B. Weatherproof, So-called Underwriters, Paper Insulated Fire-proof Wires. See Nos. 109 to 111.	
	Amperes.	Circular Mills.	Amperes.	Circular Mills.
B. & S. G.				
18	3	5	1,624	
16	6	8	2,583	
14	12	16	4,107	
12	17	23	6,530	
10	24	32	10,380	
8	33	46	16,510	
6	46	65	26,250	
5	54	77	33,100	
4	65	92	41,740	
3	70	110	52,630	
2	90	131	66,370	
1	107	156	83,690	
0	127	185	105,500	
00	150	220	133,100	
000	177	262	167,800	
0000	210	312	211,600	
Circular Mills.				
200,000	200	300		
300,000	270	400		
400,000	330	500		
500,000	390	600		
600,000	450	680		
700,000	500	760		

Circular Mills.	Table A. Rubber Covered Wires. See No. 108.	Table B. Weatherproof So-called Underwriters Paper Insu- lated Fire- proof Wires. See Nos. 109 to 114.	Circular Mills
	Amperes.	Amperes.	
800,000	550	840	
900,000	600	920	
1,000,000	650	1,000	
1,100,000	690	1,080	
1,200,000	730	1,150	
1,300,000	770	1,220	
1,400,000	810	1,290	
1,500,000	850	1,360	
1,600,000	890	1,430	
1,700,000	930	1,490	
1,800,000	970	1,550	
1,900,000	1,010	1,610	
2,000,000	1,050	1,670	

c. Leads from the generator to switch-boards and bus bars on switch-boards will be exempted from strict compliance with above tables.

d. The lower limit is specified for rubber-covered wires to prevent gradual deterioration of the high insulations by the heat of the wires, but not from fear of igniting the insulation. The question of drop is not taken into consideration in the above tables.

e. The carrying capacity of sixteen and eighteen-wire is given, but no smaller than fourteen is to be used, except as allowed under Rules 82u and 112b.

72. Cut-outs, Circuit Breakers and Fuses—

General Construction Rules.

a. Must be supported on bases of incombustible, non-absorptive insulating material.

b. Base—Bases of over twenty-five square inch area must have at least four supporting screws. Holes for supporting screws must be kept outside of the area included by the outside edges of the fuse terminals, and must be so located or countersunk that there will be at least one-half inch space between the head of the screw or washer and the nearest live part.

c. Mounting—Nuts or screw-heads on the under side of the base must be countersunk not less than one-eighth inch, and covered with a waterproof compound which will not melt below 150 degrees Fahrenheit.

d. Metal—All terminals of circuit breakers, cut-out and fuses must have ample metal for stiffness and to prevent rise in temperature of any part of over 50 degrees Fahrenheit at full load. Terminals, as far as practicable, must be made of compact form instead of being rolled out in thin strips, and sharp edges or thin projecting pieces, as on wing thumb nuts and the like, must be avoided.

e. Connections—Clamps for connecting the wires to the circuit breakers, cut-outs and fuse terminals must be of solid rugged construction, so as to insure a thoroughly good condition and withstand considerable hard usage. For fuses above fifty amperes, lugs firmly screwed or bolted to the terminals and into which the conducting wires are soldered must be used.

f. Marking—Must be plainly marked where it will be visible when the device is installed, with the name of the maker and the current and the voltage for which it is designed.

g. Test—Cut-outs must operate successfully under the most severe conditions they are liable to meet with in practice, on short circuits with fuses rated at fifty per cent. above and with a voltage twenty-five per cent. above the current and voltage for which they are designed.

h. Circuit-breakers must operate successfully under the most severe conditions they are liable to meet with in practice, on short circuits when set at fifty per cent. above the current, and with a voltage twenty-five per cent. above that for which they are designed.

Note.—With naked open fuses of ordinary shapes and not over 500 amperes capacity, the maximum current which will melt them in about five minutes may be safely taken as the melting point, as the fuse practically reaches its maximum temperature in this time. With larger fuses a longer time is necessary.

Note.—Inclosed fuses where the fuse is often in contact with substances having good conductivity to heat, and often of considerable volume, require a much longer time to reach a maximum temperature, on account of the surrounding material which heats up slowly.

These data are given to facilitate testing.

73. Cut-outs (Open Link Fuse) Construction—**a.** Cut-outs must be provided with covers, when not arranged in approved cabinets, so as to obviate any danger of the melted fuse metal coming in contact with any substance which might be ignited thereby.

**b.** Spacings—The following table shows the minimum break distance and the separation of the nearest metal parts of opposite polarity for plain open link fuses when mounted on approved bases for different voltages and for different currents. The values given refer to the marked capacities of the cut-outs and include the safety factors required by Rule 72g and h. The values given are correct for cut-outs and devices designed for alternating currents:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.		Minimum Break Distance.	
	125 Volts.	250 Volts.	125 Volts.	250 Volts.
10.....	3/4 inch.	1 1/2 inch.	3/4 inch.	1 1/4 inch.
35.....	3/4 "	1 1/2 "	3/4 "	1 1/4 "
50.....	1 "	1 3/4 "	3/4 "	1 1/4 "
100.....	1 "	1 3/4 "	3/4 "	1 1/4 "
300.....	1 "	2 "	1 "	1 1/2 "
1,000.....	1 1/4 "	2 1/2 "	1 1/4 "	2 "

Plug and Cartridge Type-construction.

c. Must not hold an arc or throw out melted metal or sufficient flame to ignite easily inflammable material on or near the cut-out, when only one fuse is blown at a time on a short circuit on a system having a capacity of 300 K. W. or over.

Note—A number of fuses having considerable merit will probably not fully stand the test. Such fuses will be carefully examined and tested, and approved with such limitations as safety requires. For example, a fuse which might be quite satisfactory in the small sizes or with a moderate amount of resistance in circuit, but which under more severe conditions would arc considerably, might be approved without reservation up to certain limits and approved beyond these limits only when inclosed in cabinets or safely removed from combustible materials. Greater definiteness appears impossible in the present state of the art.

d. The fuse plug or cartridge must be dust-tight, so that lint and dust can not collect around the fusible wire and become ignited when the fuse is blown.

e. The fusible wire must be attached to the plug or cartridge terminals in such a way as to secure a thoroughly good connection, and make it difficult for it to be replaced when melted.

f. Must be classified to correspond with the different classes of cut-out blocks, and must be so designed that it will be impossible to put any fuse of a given class into a cut-out block which is designed for a current or voltage lower than that of the class to which the fuse belongs.

g. The temperature of the exterior of the fuse inclosure must not rise more than

125 degrees F. above that of the surrounding air when the fuse is carrying the current for which it is rated.

Individual Cut-Out Blocks for Plug or Cartridge Fuses.

h. Must be made of approved incombustible, non-absorptive, insulating material.

i. Blocks of over twenty-five square inches area must have at least four supporting screws. Holes for supporting screws must be so located or countersunk that there will be at least one-half of an inch space between the screw-head or washer and the nearest live metal part, and in all cases when between parts of opposite polarity must be countersunk.

j. Nuts or screw-heads on the underside of the base must be countersunk at least one-eighth of an inch, and covered with a waterproof compound which will not melt below 150 degrees Fahr.

k. Must be classified as regards both current and voltage, and so designed that the bases of one class can not be used with fuses of another class rated for a higher current or voltage, in accordance with the following-table:

0-250 Volts.		251-600 Volts.	
0.....	30 amperes.	0.....	30 amperes.
31.....	60 "	31.....	60 "
61.....	100 "	61.....	100 "
101.....	200 "	101.....	200 "
201.....	300 "	201.....	300 "
301.....	500 "	301.....	500 "

l. Terminals of such a design that the block can not be easily fused with anything but approved inclosed fuses are required. They must be secured to the base by two screws, or the equivalent, so as to prevent them from turning, and must be so made as to secure a thoroughly good contact with the fuse.

m. Clamps for connecting wires to the terminals must be of a design which will insure a thoroughly good connection, and must be sufficiently strong and heavy to withstand considerable hard usage. For fuses rated to carry over 30 amperes, lugs firmly screwed or bolted to the terminals, and into which the connecting wires shall be soldered, must be used.

n. Must be of such a design that it will not be easy to form accidental short-circuits across live metal parts of opposite polarity on the block or on the fuses in the block.

o. Must be marked, where it will be plainly visible when the block is installed, with the name of the maker and the voltage and range of current for which it is designed.

74. Installation of Cut-Outs, Circuit Breakers and Fuses.

a. Must be placed on all service wires, either overhead or underground, as near as possible to the point where they enter the building and inside the walls, and arranged to cut off the entire current from the building.

b. Must be placed at every point where a change is made in the size of wire, except in a branch circuit, protected by a fuse or circuit breaker of not exceeding 600 watts capacity, and where the cut-out in the larger wire will protect the smaller; also where extensions are taken from risers to feed cut-outs placed within a distance of one foot of the riser, in which case permission of said Department must be first obtained.

c. Must be in plain sight, or inclosed in an approved box (see No. 120) and readily accessible. They must not be placed in the canopies or shells of fixtures.

d. Must be so placed that no set of incandescent lamps, whether grouped on one fixture or several fixtures or pendants, requiring more than 600 watts, shall be dependent upon one cut-out. Special permission may be given in writing by said Department for departure from this rule, in case of larger chandeliers, stage borders and illuminated signs, or where, from the nature of the case, it is impracticable.

e. Must be provided with fuses, the rated capacity of which does not exceed the allowable capacity of the wire, and, when circuit breakers are used, they must not be set more than about thirty per cent. above the allowable carrying capacity of the wire, and must have a fusible cut-out installed in the circuit.

f. Open link fuses will not be considered as complying with the foregoing rules, except where mounted on slate switchboards, slate panel-boards, or other approved bases, entirely inclosed in a fireproof cabinet (see Rule 120), or where used in approved ceiling rosettes, so constructed that there will be no possibility of the melted fuse igniting surrounding material, which must receive the approval of this Department before being used.

g. Must have contact surfaces or tips of harder metal having perfect electrical connection with the fusible part of the strip.

h. Must not be placed in the immediate vicinity of easily ignitable material, or where exposed to inflammable gases or dust, or to flyings of combustible material.

i. Must, when exposed to dampness, either be inclosed in a waterproof box or mounted on porcelain knobs.

CONSTANT-CURRENT SYSTEMS.

Of Over 550 Volts, Principally Series Arc Lighting.

75. Wires—

(See also Nos. 69, 70, 71).

a. Must have an approved rubber insulating covering. (See No. 108).

b. Must be arranged to enter and leave the building through an improved double-contact service switch (see No. 118) mounted in an incombustible case, kept free from moisture, and easy of access to police or firemen. So-called "snap-switches" must not be used on high-potential circuits.

c. Must always be in plain sight, and never incased except when required by said Department.

d. Must be supported on glass or porcelain insulators, which separate the wire at least one inch from the surface wired over, and must be kept rigidly at least eight inches from each other, except within the structure of lamps, on hanger-boards, in cut-out boxes, or like places, where a less distance is necessary.

e. Must, on side walls, be protected from mechanical injury by a substantial boxing, retaining an air space of one inch around the conductors, closed at the top (the wires passing through bushed holes), and extending not less than seven feet from the floor, or placed in iron pipes having an improved insulated lining. When crossing floor timbers in cellars or in rooms, where they might be exposed to injury, wires must be attached by their insulating supports to the under side of a wooden strip not less than one-half an inch in thickness.

76. Arc Lamps—

(For construction rules see No. 123).

a. Must be carefully insulated from inflammable material.

b. Must be provided at all times with a glass globe surrounding the arc, securely fastened upon a closed base. No broken or cracked globes to be used.

c. Must be provided with a wire netting (having a mesh not exceeding one and one-quarter inches) around the globe, and an approved spark arrester (see No. 124) when readily inflammable material is in the vicinity of the lamps, to prevent escape of sparks, melted copper or carbon. It is recommended that plain carbons, not copper-plated, be used for lamps in such places.

d. Where hanger-boards (see No. 122) are not used, lamps must be hung from insulating supports other than their conductors.

77. Incandescent Lamps in Series Circuits—**a.** Must have the conductors installed, as provided in Rule No. 75, and each lamp must be provided with an automatic cut-out.

b. Must have each lamp suspended from a hanger-board by means of rigid tube.

c. No electro-magnetic device for switches and no system of multiple-series or series-multiple lighting will be approved.

d. Under no circumstances can they be attached to gas fixtures.

CONSTANT-POTENTIAL SYSTEMS—GENERAL RULES—ALL VOLTAGES.

Automatic Cut-outs, Fuses and Circuit Breakers.

(See Rules Nos. 72, 73, 74, 118.)

78. Switches—**a.** Must be placed on all service wires, either overhead or

ground, in a readily accessible place, as near as possible to the point where the wires enter the building, and arranged to cut off the entire current.

b. Must always be placed in dry, accessible places, when conditions will allow. If, from the nature of the case, it is impracticable to do so, they may be installed in a damp place, provided they are inclosed in a waterproof box, which must be lined with metal, coated with a rust preventative on both surfaces and lining properly sealed.

c. Must not be single pole except when the circuits which they control supply not more than 330 watts, or where the difference of potential is over 300 volts, or where attached to arc lamps or hanger-boards, or otherwise as approved in writing by said Department.

d. Where flush switches are used, whether with conduit systems or not, the switches must be inclosed in boxes constructed of or lined with fire-resisting material. Must, when installed on tiled walls, have a mat of hard wood, thoroughly coated with a moisture repellent, inserted between the tiling and face plate. No push buttons for bells, gas-lighting circuits or the like shall be placed in the same wall plate with switches controlling electric-light or power wiring. This requires an approved box in addition to the porcelain inclosure of the switch.

e. Where possible, at all switch or fixture outlets, a seven-eighth inch block must be fastened between studs or floor timbers, flush with back of lathing, to hold tubes and to support switches or fixtures. When this cannot be done, wooden base-blocks, not less than three-quarter inch in thickness, securely screwed to lathing, must be provided for switches, also for fixtures which are not attached to gas-pipes or conduit tubing.

f. Must be so installed when connected to circuits under the heading of "Low-Potential Systems" of a capacity of 660 watts or more, that the opening of the switch will disconnect all of the wires; that is, in a two-wire system, the two wires; in a three-wire system, the three wires.

g. Must not be placed in the immediate vicinity of easily ignitable material, or where exposed to inflammable gases or dust, or to flyings of combustible materials.

h. Connecting terminals on switches with a current in excess of twenty-five amperes must be provided with suitable connecting lugs into which the leads can be soldered; these lugs to be sufficiently large to take stranded conductors based on the total output of the switches, the conductors being based on carrying capacity prescribed in the rules for rubber-covered conductors.

**ELECTRIC HEATING AND COOKING APPARATUS; ALSO GLUE POTS, SAD IRONS, CURLING IRONS, ETC.**  
79. Electric Heaters, Ranges and Stoves.—a. These must be placed in safe situations (out of easy reach of inflammable materials), and separated from and supported on non-conducting and incombustible standards or bases so as to be at least four inches from woodwork of any description or other inflammable material, unless protected by incombustible materials, such as sheet metal and asbestos, or the like, so combined as to prevent appreciable transmission of heat, while securing full insulation. The heating wires or resistances of these heaters, etc., must be inclosed in incombustible cases adapted to prevent accidental contact with any exterior object or material.

These electric heaters, stoves, etc., must never be concealed, but must be at all times in plain sight.

b. They must have double-pole switches, cut-outs, etc., arranged as required for electric lights or power apparatus employing the same current and potential.

c. The attachments of feed-wires to "heaters," etc., must be in plain sight, easily accessible and protected from interference, accidental or otherwise.

d. Attachments of conductors to "heaters," etc., must be securely made in the same manner that conductors are attached to motors or generators dealing with currents equal to those employed in these devices, and such conductors must be continuous from the "heaters," etc., to the switch or cut-out, which must not be within two feet of said "heaters," etc. These conductors must be thoroughly well insulated and also covered with a good mechanical protection.

80. Portable Cooking Apparatus, Glue Pots, Curling Tongs, etc.—a. The heating coils or resistances of these instruments must be inclosed in incombustible cases, which in turn must be mounted on non-conducting and incombustible bases raising the same at least one inch from any surface on which they stand.

b. These instruments must not be attached to lamp-sockets, and when current of more than ten amperes is required they must conform to the same rules as heaters, ranges, etc.

c. When currents of ten amperes or less are required, these instruments may be connected by specifically approved flexible double or twin wire conductors, provided such conductor is composed of two multistrand conductors, each of which is insulated by a waterproof material and asbestos, while both are surrounded by a covering affording adequate mechanical protection. These flexible cords must also be connected to "plug switches" having double-pole fuses in their sockets which will cut out the circuits if a cross connection should occur in the flexible conductor. Moreover, such "plug switch" must be so arranged that the plug will pull out and break the connection if an abnormal mechanical strain is brought on the flexible conductor.

d. The leading wires of these flexible cords must be connected to heaters or the like at the point of lowest temperature, and where such wires are detachable at the heater, their terminals must be arranged with female ends, protected by porcelain extending at least one-eighth inch beyond the metal terminals.

e. If the connection at the heater is fixed, a separable double-pole connector must be placed in the circuit so that, in case an undue strain is brought on the conductors, the device will be automatically cut out and disconnected.

f. Flexible cord connections longer than six feet will not be permitted.

g. Receptacles for plug attachments must be placed at least six inches above the floor.

h. Where switches are provided, they must conform to the rules laid down in the General Requirements.

i. Where a number of utensils are grouped for general cooking service, installations to be approved must be provided with slate, soap-stone or other approved slab or table for utensils to rest upon. Plug receptacles mounted on slate or other approved material shall be attached to mains running at least six inches above the working surface of the table.

81. Sad Irons and other Heating Appliances.—a. That are intended to be applied to inflammable articles, such as clothing, must be arranged as above, as far as connections, etc., are concerned, and must also be provided with approved attachments which will cut off current when they are not in actual use.

b. The leading-in wires to these forms of apparatus must be connected through porcelain connecting blocks, and the cable or cord of the same must be passed through an insulated elastic spiral or spring, so arranged as to protect the same from kinking, chafing or like injury at or near the point of connection.

c. These conductors must be so placed that they will at all times be at least four feet from the floor and well protected against contact with water pipes or other possible ground connections.

d. The use of flexible cord will not be permitted, unless specifically approved by said Department.

#### LOW-POTENTIAL SYSTEMS.

##### 300 Volts or Less.

Any circuit attached to any machine, or combination of machines, which develops a difference of potential between any two wires, of over ten volts and less than 300 volts, shall be considered as a low-potential circuit, and as coming under this class, unless an approved transforming device is used, which cuts the difference of potential down to ten volts or less. The primary circuit not to exceed a potential of 3,000 volts.

#### 82. Wires (General Rules)—

(See also Nos. 69, 70, 71.)

a. Must be so arranged that, under no circumstances, shall there be a difference of potential of over 300 volts between any bare metal in any distributing switch or cut-out cabinet, or equivalent centre of distribution.

b. Must not be laid in plaster, cement or similar finish.

c. Must never be fastened with staples.

d. Must not be fished for any great distance, and only in places where the inspector can satisfy himself that the rules have been complied with.

e. Twin wires must never be used except in conduits, or where flexible conductors are necessary.

f. Must be protected on side walls from mechanical injury. When crossing floor

timbers in cellars or in rooms, where they might be exposed to injury, wires must be attached by their insulating supports to the underside of a wooden strip, not less than one-half inch in thickness and not less than three inches in width.

g. When run immediately under roofs, or in proximity to water tanks or pipes, will be considered as exposed to moisture.

For Open Work—(in Dry Places):

h. Must have an approved rubber or slow-burning weatherproof insulation. (See Nos. 108, 109).

i. Must be rigidly supported on incombustible, non-absorptive insulators, which will separate the wires from each other and from the surface wired over in accordance with the following table:

Voltage.	Distance from Surface.	Distance Between Wires.
0 to 300.....	½ inch.	2½ inches.
300 to 550.....	1 inch.	4 inches.

In damp places, such as Breweries, Sugar Houses, Packing Houses, Stables, Dye Houses, Paper or Pulp Mills, or Buildings Specially Liable to Moisture or Acid, or other Fumes, Liable to Injure the Wires, or their Insulation, except where used for Pendants.

j. Must have an approved rubber insulating covering. (See No. 108.)

k. Must be rigidly supported on incombustible, non-absorptive insulators, which separate the wire at least one inch from the surface wired over, and they must be kept apart at least two and one-half inches.

l. If conduit is used, it must be made water-tight.

For moulding work:

m. Must have an approved rubber insulating covering. (See No. 108.)

n. Must never be placed in moulding in concealed or damp places, or where the difference of potential between any two wires in the same moulding is over 300 volts.

o. Wooden moulding must never be installed in any elevator shafts or hatchways.

p. The use of screws, nails, staples, or other metal substances, to hold conductor in grooves of backing of moulding is prohibited.

For conduit work:

q. Must have an approved rubber insulating covering. (See No. 114.)

r. Must not be drawn in until all mechanical work on the building has been, as far as possible, completed.

s. Must, for alternating systems, have the two or more wires of a circuit drawn in the same conduit.

For concealed knob and tube work:

t. Will not be approved by this Department.

For fixture work:

u. Must have an approved rubber insulating covering (see No. 113), and must not be less in size than No. 18, B. & S.

v. Supply conductors, and especially the splices to fixture wires, must be kept clear of the grounded part of gas pipes, and, where shells are used, the latter must be constructed in a manner affording sufficient area to allow this requirement.

w. Must, when fixtures are wired outside, be so secured as not to be cut or abraded by the pressure of the fastenings or motion of the fixture.

x. Fixtures having exposed wiring will not be permitted in show windows.

y. Under no circumstances must there be a difference of potential of more than 300 volts between wires contained in or attached to the same fixtures, except electric railroad cars, car houses or stations.

83. Wiring in Show Windows.—a. Flexible cord pendants will not be approved.

b. Fixtures having exposed wiring will not be approved.

c. Receptacles having exposed lugs, or terminals, will not be approved.

d. The wiring for show windows must comply in all respects with the rules governing the installation of wiring within buildings.

#### 84. Interior Conduits, Metal—

(See also Rules Nos. 82q to s, 116.)

a. No conduit tube having an internal diameter of less than one-half inch shall be used; inside measurements to be taken of metal conduits.

b. Must be continuous from one junction box to another, or to fixtures, and the conduit tube must properly enter, and be securely fastened to, all fittings.

c. Must be first installed as a complete conduit system without the conductors.

d. Must be equipped at every outlet with an approved outlet-box, plate or device.

e. Metal conduits, where they enter junction boxes, and at all other outlets, etc., must be provided with an approved bushing fitted so as to protect wire from abrasion, except when such protection is obtained by the use of approved nipples, properly fitted in boxes or devices.

f. Must have the metal of the conduit permanently and positively grounded. Where metal conduit and gas-pipe outlets are securely fastened in metal boxes, plates or outlet devices in a manner that insures perfect electrical connection, or where metal conduits are fastened to metal structure, or buildings, this rule has been complied with. Where sections of metal conduit are installed without being fastened to the metal structure, or "grounded" metal piping, in such a manner as to insure electrical connection with the earth, they must be all bonded together and connected to the "ground" in such a manner that the largest fuse or circuit-breaker on the circuit will operate before a dangerous rise in temperature in the conduit system could occur.

g. Conduit must have a wall thickness as required in Rule 116.

#### Outlet and Junction Boxes.

h. Must be made of metal of sufficient thickness to resist the penetration of a "ten-penny" nail, and treated with an approved rust preventative.

i. Must always be installed in such a manner as to be readily accessible.

85. Circular Loom and Conduits of a Similar Nature.—a. Must be installed on the "loop system" and must be continuous from outlet to outlet or junction-boxes or devices, without splices or taps.

b. Must not be installed in gains cut in floor beams or against solid walls, unless protected by a strip of iron or steel at least one-sixteenth of an inch in thickness.

c. Such conduits must project at least one inch beyond the finished surface of walls or ceilings, except where ending in outlet or junction-boxes or devices.

d. Such conduits must be installed without conductors and the conductors must not be inserted into the conduit until all mechanical work liable to injure the conduit or conductors has been, so far as possible, completed.

e. Such conduits must not be used in places subject to dampness, nor liable to contact with damp mortar, plaster or like material, as in the case of buildings in course of construction.

f. Where installed on the outside of buildings or in places exposed to the weather, must be carried on insulators which separate the conduit from the surface wired over at least one inch and protected with a coating of moisture repellent.

g. Where it becomes necessary to fasten these conduits, straps or cleats must be used. The use of nails or staples is prohibited.

86. Attix Wire.—a. Must be installed on the "loop system," and must be continuous from outlet to outlet or junction boxes or devices, without splices or taps.

b. Must not be installed in gains cut in floor beams or against solid walls, unless protected by a strip of iron or steel at least one-sixteenth of an inch in thickness.

c. Such conductors must project at least one inch beyond the finished surface of walls or ceilings, except where ending in outlet or junction boxes or devices, which must be readily accessible.

d. Such conductors must not be used in places subject to dampness, nor liable to contact with damp mortar, plaster or like material, as in the case of buildings in course of construction, unless special written permission is first obtained.

e. Where installed on the outside of buildings or in places exposed to the weather, must be carried on insulators which separate the conductors from the surface wired over at least one inch and protected with a coating of moisture repellent.

f. Where it becomes necessary to fasten these conductors, straps or cleats must be used. The use of nails or staples is prohibited.

87. Greenfield Flexible Armored Cable.—a. Must be installed on the "loop system," and must be continuous from outlet to outlet or junction boxes or devices, without splices or taps.

b. Metal armor of such conductors is considered suitable protection in lieu of

metal plates specified in section b of rules governing the installation of circular loom and attic wire.

c. Such cables must be provided at each outlet with a metal plate, outlet box, or approved device, and must be grounded when required by Department.

d. Such cables must not be installed in so-called "fireproof" buildings, in course of construction, or where exposed to the weather, in breweries, stables or like damp places, unless a lead covering is placed between the outer braid of conductors and the steel armor.

e. Such cables may be installed in so-called "non-fireproof" buildings while in course of erection, subject to the preceding sections.

88. Elevator Cable—*a.* Elevator cables for lighting or control of elevator cars must be made to comply with the following specifications:

b. Must be made of stranded copper conductors, each strand not to be larger than No. 26, nor smaller than No. 30 B. & S. gauge; and each stranded conductor must be covered by an approved insulation as called for in Rule 108, section b. Over the rubber insulation a substantial fireproof braid must be placed.

If a support wire is used, it must be placed in the centre of cable, and the cable may be filled with jute or other substances that are thoroughly fireproof. A thoroughly fireproof braid cover placed over the whole one-thirty-second (1-32) of an inch in thickness; then a thoroughly moisture-proof braid, tape or rubber compound must be placed over this, which must be protected by a strong outer braid, at least one-thirty-second (1-32) of an inch in thickness thoroughly saturated with a compound that is weather and moisture proof.

89. Stage Cable—*a.* Wires must be stranded and must have an approved rubber insulated covering, as called for in Rule 108.

b. Each conductor must have a braiding of at least one-thirty-second (1-32) of an inch in thickness, and cable must be filled with jute, or other compound, to make the same round; the whole to be covered with a stout braid or tape; if tape is used, there must be two covers of tape, and over that an extra strong braid one-thirty-second (1-32) of an inch in thickness, thoroughly impregnated with a preservative compound, or an approved metal armor.

90. Fixtures—

(See also Rule No. 82.)

a. Must, when supported from the gas piping, or any grounded metal work of a building, be insulated from such piping or metal work by means of approved insulating joints (see Rule No. 125), placed as close as possible to the finished surface.

b. Wherever conductors, such as fixture wires or other wires not having the insulation required by Rule 108, are brought into an outlet box, or in contact with the grounded part of gas-pipe or other grounded conductors, such wires must be protected by an additional insulation between the conductor and the ground, such as a tube placed over the wire, composed of material that will not readily carry fire nor absorb moisture; or the grounded metal with which they are liable to come in contact must be covered or lined with material of the same nature.

c. Must have all burrs or fins removed before the conductors are drawn into the fixtures.

d. No combination fixtures in which the conductors are concealed in a space less than one-fourth inch between the inside pipe and the outside casing will be approved.

e. Ceiling blocks of fixtures must be made of insulating material; or other wires in passing through the plate, must be surrounded with incombustible, non-absorptive insulating material, such as glass or porcelain.

f. Fixtures having exposed wiring will not be permitted in show windows.

g. Fixtures installed on tiled walls, or unplastered stone or brick ceilings and walls must be provided with an insulating ring of fibre, hard rubber or mica, firmly secured to the canopy to prevent the canopy coming in contact with the tile, stone or brick.

91. Sockets—

(For Construction Rules see No. 121.)

a. In rooms where inflammable gases may exist, the incandescent lamp and socket must be inclosed in a vapor-tight globe, and supported on a pipe-hanger, wired with approved rubber-covered wire (see Rule No. 108), soldered directly to the circuit.

b. In damp or wet places, or over specially inflammable material, waterproof sockets must be used.

92. Flexible Cord—*a.* Must have an approved insulation and covering (see No. 112).

b. Must not be used where the difference of potential between the two wires is over 300 volts.

c. Must not be used as a support for clusters.

d. Must not be used except for pendants, wiring of fixtures and portable lamps or motors.

e. Must not be used in windows, except where the conductors are protected by approved metal armor or pipe.

f. Must be protected by insulating bushings where the cord enters the socket or pendants, unless the cord is protected by a metal covering which is secured to fittings by approved bushings.

g. Must be so suspended that the entire weight of the socket and lamp will be borne by knots under the bushing in the socket, and above the point where the cord comes through the ceiling block or rosette, in order that the strain may be taken from the joints and binding screws. When approved metal armored cord is used, suitable bushings, properly fitted, may be substituted for these knots.

h. Must not be used on walls, partitions or other places where standard methods of wiring can be employed.

93. Arc Lamps on Low-Potential Circuits—*a.* Must have a cut-out (see Rule No. 72) for each lamp or each series of lamps.

b. Must only be furnished with such resistances or regulators as are inclosed in incombustible material, such resistances being treated as sources of heat.

c. Must be supplied with globes and protected by spark arresters, as in the case of arc lights on high-potential circuits (see Rule No. 76); and must have wire netting around the globe, when the outer globe on an inclosed arc lamp is omitted.

d. Hand focusing arc lamps requiring more than 25 amperes will not be approved for theatrical illumination within any theatre or places of amusement.

94. Economy Coils—Economy and compensator coils for arc lamps must be mounted on incombustible, non-absorptive insulating supports, such as glass or porcelain, allowing an air space of at least one inch between frame and support, and in general to be treated like sources of heat.

95. Decorative Series Lamps—Incandescent lamps run in series must not be used for decorative purposes inside of buildings, except by special permission, in writing, from this Department.

96. Signs—*a.* All signs where receptacles and wiring are not mounted on the face must be constructed entirely of metal.

Note.—Wood may be used to strengthen sign.

b. All receptacles with lug connections used in the construction of signs must be soldered to conductors and the exposed metal parts tinned and compounded. All current-carrying parts in an electrical sign must be accessible for inspection.

Note.—It is recommended that receptacles having inclosed terminals be used in the construction of signs.

97. Stage Pockets, Flush Plug and Floor Receptacles—

Stage Pockets.

a. Must be provided with suitable covers to prevent dust, nails, etc., from entering that part of the pocket confining the conductors or current-carrying parts.

b. Must be so installed that the bottom is open so as to allow any dirt, nails, etc. that may enter the pocket to pass through.

c. Must be entirely inclosed in a metal box.

d. Must receive the approval of this Department before being placed in service.

e. Must be constructed in all cases to carry at a minimum, twenty-five amperes without heating, allowing seventy-five amperes per square inch of contact surface.

Flush Plug Receptacles.

f. Must be inclosed in a box constructed of or lined with metal, which must not be less than one-sixteenth (1-16) inch in thickness, and coated on all surfaces with an approved rust preventative.

g. When installed in base-boards, must be kept at least two inches above the floor.

h. Must receive the approval of said Department before being installed.

Floor Plug Receptacles.

i. Must be inclosed in a box constructed of or lined with metal, which must not be less than one-sixteenth (1-16) inch in thickness, and coated on all surfaces with an approved rust preventative.

j. Must be provided with a suitable cover so arranged that the receptacle will be both water and dust proof at all times.

98. Rosettes—*a.* Bases must be high enough to keep the wires and terminals a least one-half (1/2) inch from the surface to which the rosette is attached.

b. Terminals must, in no case, cut or injure the wire, and must have a turned-up lug so arranged that the wire will be securely gripped between the screw and lug.

HIGH POTENTIAL SYSTEMS.

300 to 3,000 Volts.

Any circuit attached to any machine, or combination of machines, which develops a difference of potential, between any two wires, of over 300 volts and less than 3,000 volts, shall be considered as a high-potential circuit, and as coming under that class, unless an approved transforming device is used, which cuts the difference of potential down to 300 volts or less.

99. Wires—

(See also Nos. 69, 70, 71.)

a. Must have an approved rubber insulating cover. (See No. 108.)

b. Must be always in plain sight and never incased, except where required by said Department.

c. Must be rigidly supported on glass or porcelain insulators, which raise the wire at least one inch from the surface wired over, and must be kept apart at least eight inches.

d. Must be protected on side walls from mechanical injury by a substantial boxing, retaining an air space of one inch around the conductors, closed at the top (the wires passing through bushed holes) and extending not less than seven feet from the floor, or placed in iron pipe having an approved insulating lining. When crossing floor timbers, in cellars or in rooms where they might be exposed to injury, wires must be attached by their insulating supports to the under side of a wooden strip not less than one-half inch in thickness.

100. Transformers—

(For construction rules see No. 128.)

(For grounding rules see No. 68.)

a. Must be located as near as possible to the point at which the primary wires enter the building.

b. Must be placed in an inclosure constructed of or lined with fire-resisting material; where possible, the inclosure to be ventilated to the out-door air.

101. Series Lamps—*a.* No system of multiple-series or series-multiple for light or power will be approved within buildings, except power stations and car houses.

b. Under no circumstances can lamps be attached to gas fixtures.

102. Lighting and Power from Electric Railway Circuits or Wires—Lighting and power from electric railway circuits or wires, having a ground return, will not be permitted except in electric railways cars, electric car houses and their power stations.

103. Car Wiring—*a.* The rules for interior wiring must be followed as far as they may prove applicable to car wiring, and where not in conflict with these rules.

b. Rubber covered wire, with standard insulation and braiding must be employed throughout, being run without splices and with as few taps as possible. Approved connectors will be permitted where necessary between car body and car body, or between car body and truck.

c. Where conductors are exposed or are in channels in the frame, they must be attached to well-seasoned hardwood by porcelain or other approved cleats placed not more than twelve (12) inches apart.

d. P. & B. or other waterproofing and insulating paint must be used liberally to protect the conductors.

e. Moulding need not be provided with hacking when laid directly upon well-seasoned hard wood, unless specially required by said Department.

f. Where iron conduit is employed, the ends must be provided with bushings. The wires in iron pipe must be separately incased throughout in approved continuous flexible tubing, or provided with an extra insulation and protection approved by said Department.

g. Whenever the play of the wires is liable to cause chafing of insulation or mechanical strain, proper provision must be made to remove this strain from all critical points, such as connectors, taps, conduit outlets, etc.

h. Must be always run out of reach of passengers.

Lighting and Heating Circuits.

i. Wires for lighting circuits must be No. 16 B. & S. gauge, or larger; and, in case No. 16 wire is used, not more than four (4) amperes shall be dependent upon one 500-volt cut-out.

j. Wires for heating circuits must be No. 12 B. & S. or larger, stranded.

k. The main lighting and heating circuit must be composed of stranded wire of capacity sufficient to carry all the lighting and heating currents for the entire car, or train of cars. Coupling-boxes for these circuits must be attached to the hood of the car in such a manner as to cause as little mechanical strain to conductors as possible, and out of reach of passengers. Distribution from this circuit to each car must be effected through 500-volt cut-outs grouped at one end of the car.

Train Control for One or More Cars.

l. The motor control and other operating wires must be kept as far as possible from all other circuits, and must terminate in coupling-boxes located beneath the car platform.

Motor Cars.

m. Each contact shoe must be provided with an automatic cut-out at point of contact with rail, or between main switch and contact shoe.

n. All wiring between the contact shoes and main switch must be kept entirely outside of the car.

o. Extra flexible conductors located near the king-pin must be employed for making connection between the wiring on truck and wiring on car body.

p. The movable portion of the contact shoe must be electrically connected to the stationary part of a flexible conductor (which may be uninsulated), of capacity sufficient to carry the entire load of motor car and controllers upon one shoe—no dependence being placed upon the links and studs as electrical conductors. The cross connection between shoes and the line of main car switch must be of capacity equal to that of the above-mentioned flexible conductor.

q. Controlling device must be contained in incombustible cases located (if within the car) in compartments ventilated to the outside air and lined throughout with fire resisting material. These devices and the location must be in each instance specifically approved by said Department.

Fuses.

r. All fuses must be of an approved type and properly rated. The use of copper or other wire is absolutely prohibited.

Insulation Resistance.

s. The complete car wiring must show an insulation of one megohm.

t. Daily inspections must be made of each car by the company operating same, and also weekly inspections. Reports of these weekly inspections, stating in detail the condition of all the vital parts of the equipment and the insulation resistance over all, must be preserved for examination by said Department.

u. Whenever such inspection or test shows a car to be defective in any part, said car must be withheld from service until the fault has been removed.

104. Car Houses—*a.* Must have the trolley wires securely supported on insulating hangers.

b. Must have the trolley hangers placed at such a distance apart that, in case of a break in the trolley wire, contact cannot be made with the floor.

- c. Must have cut-out switch located at a proper place outside of the building, so that all trolley circuits in the building can be cut out at one point; and line circuit breakers must be installed so that when this cut-out switch is open, the trolley wire will be dead at all points within the building. The current must be cut out of the building whenever the same is not in use, or the road not in operation.
- d. Must have all lamps and stationary motors installed in such a way that one main switch can control the whole of each installation—lighting or power—independently of main feeder switch. No portable incandescent lamps or twin wire allowed, except that portable incandescent lamps may be used in the pits, connections to be made by two approved rubber covered flexible wires (see No. 108), properly protected against mechanical injury; the circuit to be controlled by a switch placed outside of the pit.
- e. Must have all wiring and apparatus installed in accordance with the rules under Class "C" for constant-potential systems.
- f. Must not have any system of feeder distribution centering in the building.
- g. Must have the rails bonded at each joint with not less than No. 2 B. & S. annealed copper wire; also a supplementary wire to be run for each track.
- h. Must not have cars left with trolley in electrical connection with the trolley wire.

EXTRA HIGH-POTENTIAL SYSTEMS.

Over 3,000 Volts.

Any circuit attached to any machine, or combination of machines, which develops a difference of potential, between any two wires, of over 3,000 volts, shall be considered as an extra high-potential circuit, and as coming under that class, unless an approved transforming device is used, which cuts the difference of potential down to 3,000 volts or less.

- 105. Primary Wires—Must not be brought into or over buildings, except power and sub-stations.
- 106. Secondary Wires—Must be installed under rules for high-potential systems, when their immediate primary wires carry a current at a potential of over 3,000 volts.

CLASS D.—FITTINGS, MATERIALS, AND DETAILS OF CONSTRUCTION.

All Systems and Voltages.

INSULATED WIRES—RULES 107 TO 115.

107. General Rules—*a.* Copper for insulated conductors must never vary in diameter so as to be more than two one-thousandths of an inch less than the specified size. *b.* Wires and cables of all kinds designed to meet the following specifications must be plainly tagged or marked as follows:

- 1. The maximum voltage at which the wire is designed to be used.
- 2. The words "National Electrical Code Standard."
- 3. Name of the manufacturing company, and, if desired, trade name of the wire.
- 4. Month and year when manufactured.

108. Rubber Covered—Copper for conductors must be thoroughly tinned. Insulation for voltages between 0 and 600:

- b.* Must be of rubber or other approved substance, and be of a thickness not less than that given in the following table for B. & S. gauge sizes:
  - From 18 to 16, inclusive, 1-32 inch.
  - From 14 to 8, inclusive, 3-64 inch.
  - From 7 to 2, inclusive, 1-16 inch.
  - From 1 to 0000, inclusive, 5-64 inch.
  - From 0000 to 500,000, C. M., 3-32 inch.
  - From 500,000 to 1,000,000, C. M., 7-64 inch.
  - Larger than 1,000,000, C. M., 1/8 inch.

Measurements of insulating wall are to be made at the thinnest portion of the dielectric. *c.* The completed coverings must show an insulation resistance of at least 100 megohms per mile during thirty hours' immersion in water at 70 degrees Fahrenheit.

*d.* Each foot of the completed covering must show a dielectric strength sufficient to resist throughout five minutes the application of an electro-motive force of 3,000 volts per one-sixty-fourth of an inch thickness of insulation under the following conditions:

The source of alternating electro-motive force must be a transformer of at least one kilowatt capacity. The application of the electro-motive force must first be made at 4,000 volts for five minutes, and then the voltage increased by steps of not over 500 volts, each held for five minutes, until the rupture of the insulation occurs. The tests for dielectric strength must be made on a sample of wire which has been immersed for seventy-two hours in water, one foot of which is submerged in a conducting liquid held in a metal trough, one of the transformer terminals being connected to the copper of the wire and the other to the metal of the trough.

Insulation for voltages between 600 and 3,500: *e.* The thickness of the insulating walls must not be less than those given in the following table for B. & S. gauge sizes:

- From 14 to 1, inclusive, 3-32 inch.
- From 0 to 500,000, C. M., 3-32 inch, covered by a tape or braid.
- Larger than 500,000, C. M., 4-32 inch, covered by a tape or braid.

*f.* The requirements as to insulation and break-down resistance for wires for low-potential systems must apply, with the exception that an insulation resistance of not less than 300 megohms per mile shall be required. Insulations for voltages over 3,500:

*g.* Wire for arc-light circuits exceeding 3,500 volts potential must have an insulating wall not less than six-thirty-seconds of an inch in thickness, and must withstand a break-down test of at least 20,000 volts, and have an insulation of at least 500 megohms per mile.

The tests of this wire to be made under the same conditions as for low-potential wires.

*h.* All of the above insulations must be protected by a substantial braided covering thoroughly saturated with a preservative compound and sufficiently strong to withstand all the abrasion likely to be met with in use or practice, and sufficiently elastic to permit all wires smaller than No. 7 B. & S. gauge to be bent around a cylinder with twice the diameter of the wire, without injury to the braid.

109. Slow-Burning Waterproof—*a.* The insulation must consist of two coatings one to be fireproof in character, the other to be weatherproof. The fireproof coating must comprise at least six-tenths of the total thickness of the wall. The completed covering must be of a thickness not less than that given in the following table for B. & S. gauge sizes:

- From 14 to 8, inclusive, 3-64 inch.
- From 7 to 2, 1-6 inch.
- From 2 to 0000, 5-64 inch.
- From 0000 to 500,000, C. M., 3-32 inch.
- From 500,000 to 1,000,000, C. M., 7-64 inch.
- Larger than 1,000,000, C. M., 1/8 inch.

Measurements of insulating wall are to be made at the thinnest portion of the dielectric, and either a fireproof or weatherproof coating may be on the outside.

*b.* The fireproof coating must be layers of cotton or other thread, the outer one of which must be braided. All the interstices of these layers are to be filled with the fireproofing compound. This is to be material whose solid constituent is not susceptible to moisture, and which will not burn even when ground in an oxidizable oil, making a compound which, while proof against fire and moisture, at the same time has considerable elasticity, and which, when dry, will suffer no change at a temperature of 250 degrees Fahrenheit, and which will not burn at even higher temperature.

*c.* The weatherproof coating must be a stout braid thoroughly saturated with a dense moisture-proof compound thoroughly slicked down, applied in such manner as to ering to a great degree waterproof and of high insulating power. This compound to retain its elasticity at zero Fahrenheit, and not to drip at 160 degrees Fahrenheit.

110. Slow-Burning—The insulation must be the same as the "slow-burning weatherproof," except that the outer braiding must be impregnated with a fireproofing compound similar to that required for the interior layers, and with the outer surface finished smooth and hard.

This "slow-burning" ("underwriters") wire shall only be used with special permission of said Department.

111. Weatherproof—The insulating covering must consist of at least three braids thoroughly impregnated with a dense moisture repellant, which will not drip at a temperature lower than 180 degrees Fahrenheit. The thickness of insulation must not be

less than that of "slow-burning weatherproof." The outer surface must be thoroughly slicked down.

Note—This wire is for outdoor use, where moisture is certain and where fire-proof qualities are not necessary.

112. Flexible Cord—Must be made of stranded copper conductors, each strand to be not larger than No. 26 nor smaller than No. 30 B. & S. gauge, and each stranded conductor must be covered by an approved insulation and protected from mechanical injury by a tough, braided outer covering.

For Pendants.

In this class is to be included all flexible cord which, under usual conditions, hangs freely in air, or which is not likely to be moved sufficiently to injure the insulation on the conductors.

*b.* Each stranded conductor must have a carrying capacity equivalent to not less than a No. 18 B. & S. gauge wire, unless special permission of said Department is first obtained.

- c.* The covering of each stranded conductor must be made up as follows:
  - 1. A tight, close wind of fine cotton.
  - 2. The insulation proper, which must be waterproof.
  - 3. An outer cover of silk or cotton.
- d.* Waterproof insulation must be solid, at least one-thirty-second of an inch thick, and must show an insulation resistance of fifty megohms per mile throughout two weeks' immersion in water at 70 degrees Fahrenheit, and stand the tests prescribed for low-tension wires as far as they apply.

*e.* The outer protecting braiding must be so put on and sealed in place that when cut, it will not fray out, and where cotton is used, it must be impregnated with a substance that will prevent the cotton from readily carrying fire, and which will not have an injurious effect on the insulation.

For Portables.

In this class is included all cord used on portable lamps, small portable motors, etc.

*f.* Flexible cord for portable use must have waterproof insulation as required in Section d for pendant cord, and in addition be provided with a reinforcing cover especially designed to withstand the abrasion it will be subject to in the uses to which it will be put.

For Portable Heating Apparatus.

- g.* Must be made up as follows:
  - 1. A tight, close wind of fine cotton.
  - 2. A thin layer of rubber about one one-hundredth of an inch thick, or other cementing material.
  - 3. A layer of asbestos insulation at least three-sixty-fourths of an inch thick.
  - 4. A stout braid of cotton.
  - 5. An outer reinforcing cover especially designed to withstand abrasion.

113. Fixture Wire—Must have solid insulation, with a slow-burning, tough outer covering, the whole to be at least one-thirty-second of an inch in thickness, and show an insulation resistance between conductors, and between either conductor and the ground of at least one megohm per mile, after one week's submersion in water at 7 degrees Fahrenheit, and after three minutes' electrification with 550 volts.

114. Conduit Wire—Conduit wire must comply with the following specifications: *a.* Single wires for lined conduits must comply with the requirements as laid down in Rule 108. For unlined conduits, must comply with the same requirements, except that tape may be substituted for braid, and, in addition, there must be a second outer fibrous covering at least one-thirty-second of an inch in thickness, and sufficiently tenacious to withstand the abrasion of being hauled through the metal conduit.

*b.* For twin or duplex wires in lined conduits, each conductor must comply with the requirements in Rule 108, except that tape may be substituted for braid, and must have a substantial braid covering the whole. For unlined conduits, each conductor must comply with the requirements in Rule 108, except that tape may be substituted for braid, and, in addition, must have a braid covering the whole at least one-thirty-second of an inch in thickness, and sufficiently tenacious to withstand the abrasion of being hauled through the metal conduit.

*c.* For concentric wires, the inner conductor must comply with the requirements in Rule 108, except that tape may be substituted for braid, and there must be outside of the outer conductor the same insulation as on the inner, the whole to be covered with a substantial braid, which for unlined conduits must be at least one-thirty-second of an inch in thickness, and sufficiently tenacious to withstand the abrasion of being hauled through the metal conduit.

115. Armored Conductors—*a.* The armor of such cables must be at least of equal strength to resist penetration of nails, etc., as the armor or metal coverings and metal conduits (see No. 116) and its thickness must not be less than that shown by the following table:

Size B. & S. Gauge.	Diameter, Inches.	Equivalent Nominal Gas-pipe Diameter.	Thickness Inner Strip, Inches.	Total Thickness of Metal Covering, Inches.	Outside Diameter, Inches.
(Flex. Cord.)					
18	.250	1/8 inch	.025	.05	.40
16	.260	3/8 "	.025	.05	.43
14	.270	1/2 "	.025	.05	.47
(Duplex Conductors.)					
14	.42	3/8 "	.034	.068	.67
12	.474	1/2 "	.034	.068	.705
10	.516	5/8 "	.047	.094	.87
8	.568	3/4 "	.047	.094	.95
(Single Conductors.)					
10	.296	3/8 "	.034	.068	.54
8	.328	1/2 "	.034	.068	.63
6	.421	3/4 "	.034	.068	.64
4	.468	1/2 "	.034	.068	.69
2	.530	3/4 "	.047	.094	.90
1	.577	1/2 "	.047	.094	1.06
(Lead Covered Conductors.)					
(Duplex Conductors.)					
14	.48	3/8 "	.034	.068	.72
12	.536	1/2 "	.047	.094	.90
10	.609	5/8 "	.047	.094	.94
(Single Conductors.)					
10	.332	3/8 "	.034	.068	.55
8	.36	1/2 "	.034	.068	.63
6	.434	3/4 "	.034	.068	.66
4	.479	1/2 "	.034	.068	.75
2	.563	3/4 "	.047	.094	1.02
1	.596	1/2 "	.047	.094	1.18

An allowance of two one-hundredths of an inch for variation in manufacturing and loss of thickness by cleaning will be permitted.

*b.* The conductors in same, single wire or twin conductors, must have an insulating covering as required by No. 108, any filler used to secure a round exterior must be impregnated with a moisture repellant, and the whole bunch of conductors and fillers must have a separate exterior covering.

116. Interior Conduits—

(For Wiring Rules see Nos. 82 to 84.)

*a.* Each length of conduit, whether insulated or uninsulated, must have the maker's name or initials stamped in the metal or attached thereto in a satisfactory manner, so that the inspectors can readily see the same. Metal conduits with lining of insulating material:

*b.* The metal covering or pipe must be equal in strength to the ordinary commercial forms of gas-pipe of the same size, and its thickness must be not less than that shown by the following table:

Size.	Thickness of Walls.	Size.	Thickness of Walls.
3/8	.109	1 1/4	.140
5/8	.111	1 1/2	.145
3/4	.113	2	.154
1	.134		

An allowance of two one-hundredths of an inch for variation in manufacturing and loss of thickness by cleaning will be permitted.

c. Must not be seriously affected externally by burning out a wire inside the tube when the iron pipe is connected to one side of the circuit.

d. Must have the insulating lining firmly secured to the pipe.

e. The insulating lining must not crack or break when a length of the conduit is uniformly bent at a temperature of 212 degrees Fahrenheit to an angle of 90 degrees with curve having a radius of fifteen inches for pipes of one inch and less, and fifteen times the diameter of pipe for larger pipes.

f. The insulating lining must not soften injuriously at a temperature below 212 degrees Fahrenheit, and must leave water in which it is boiled practically neutral.

g. The insulating lining must be at least one thirty-second of an inch in thickness, and the material of which it is composed must be of such a nature as will not have a deteriorating effect on the insulation of the conductor, and be sufficiently tough and tenacious to withstand the abrasion test of drawing in and out of same long lengths of conductors.

h. The insulating lining must not be mechanically weak after three days' submersion in water, and, when removed from the pipe entire, must not absorb more than ten per cent. of its weight of water during one hundred hours of submersion.

i. All elbows or bends must be so made that the conduit or lining of same will not be injured. The radius of the curve of the inner edge of any elbow not to be less than three and one-half inches. Must have not more than the equivalent of four quarter bends from outlet to outlet, the bends at all outlets not being counted.

Unlined metal conduits:  
j. Plain iron or steel pipes of equal thickness, or of equal strength, specified for lined conduits in No. 116b, may be used as conduits, provided their interior surfaces are smooth and free from burrs; pipe to be galvanized, or the interior surfaces coated or enameled, to prevent oxidation, with some substance which will not soften so as to become sticky and prevent wire from being withdrawn from the pipe.

k. All elbows or bends must be so made that the conduit will not be injured. The radius of the curve of the inner edge of any elbow not to be less than three and one-half inches. Must have not more than the equivalent of four quarter bends from outlet to outlet, the bends at the outlet not being counted.

Flexible metal conduits:  
l. Flexible metallic unlined conduits may be installed under the same conditions and under the same rules that govern the use of other unlined conduits of equal interior diameters.

m. In measuring the wall thickness of flexible metallic conduit, the thickness of both metal strips must be considered as, the cutting of threads on this conduit being unnecessary, it is not thereby weakened at the points of entrance to outlet boxes and similar fittings.

117. Wooden Mouldings—

(For Wiring Rules see No. 82.)

a. Must have, both outside and inside, at least two coats of waterproof paint, or be impregnated with a moisture repellent.

b. Must be made of two pieces, a backing and capping, so constructed as to thoroughly incase the wire, and provide a one-half inch tongue between the conductors and a solid backing, which, under grooves, must not be less than three-eighths of an inch in thickness, and must afford suitable protection from abrasion.

c. It is recommended that only hard wood moulding be used.

d. Metal devices to hold conductors in grooves of moulding prior to the placing of capping in position, is prohibited.

GENERAL RULES.

118. Switches—**a.** Must, when used for service switches, indicate on inspection, whether the current be "on" or "off."

**b.** Must, for constant-current systems, close the main circuit and disconnect the branch wires when turned "off;" must be so constructed that they shall be automatic in action, not stopping between points when started, and must prevent an arc between the points under all circumstances. They must indicate, upon inspection, whether the current be "on" or "off."

**Knife switches:**  
Switches must be made to comply with the following specifications, except in those few cases where peculiar design allows the switch to fulfill the general requirements in some other way, and where it can successfully withstand the test of section i. In such cases, the switch must be submitted for special examination and approval of said Department before being used.

**c. Base**—Must be mounted on incombustible, non-absorptive insulating bases, such as slate or porcelain.

Bases of over twenty-five square inches area must have at least four supporting screws. Holes for supporting screws must be so located or countersunk that there will be at least one-half inch space measured over the surface between the head of the screw or washer and the nearest live metal part, and in all cases when between parts of opposite polarity, must be countersunk.

**d. Mounting**—Pieces carrying the contact jaws and hinge clips must be secured to the base by at least two screws, or else made with a square shoulder, or provided with dowel-pins, or otherwise arranged, to prevent possible turnings, and the nuts or screw-heads on the underside of the base must be countersunk not less than one-eighth inch and covered with a waterproof compound which will not melt below 150 degrees Fahrenheit.

**e. Hinges**—Hinges of knife switches must not be used to carry current unless they are equipped with spring washers, held by lock-nuts or pins, so arranged that a firm and secure connection will be maintained at all positions of the switch blades.

**f. Metal**—All switches must have ample metal for stiffness and to prevent rise in temperature of any part of over 50 degrees Fahrenheit at full load, the contacts being arranged so that a thoroughly good bearing at every point is obtained, with contact surfaces advised for pure copper blades of about one square inch for each seventy-five amperes, the whole device to be mechanically well made throughout.

**g. Cross-bars**—All cross-bars less than three inches in length must be made of insulating material. Bars of three inches and over, which are made of metal, to insure greater mechanical strength, must be sufficiently separated from the jaws of the switch to prevent arcs following from the contacts to the bar, on the opening of the switch under any circumstances. Metal bars should preferably be covered with insulating material.

To prevent possible turning or twisting the cross-bar must be secured to each blade by two screws, or the joints made with square shoulders or provided with dowel-pins or otherwise arranged to meet this requirement.

**h. Connections**—Switches for currents of over twenty-five amperes must be equipped with lugs, firmly screwed or bolted to the switch, and into which the conducting wires must be soldered. For the smaller sized switches, approved clamps can be employed, provided they are heavy enough to stand considerable hard usage.

**i. Test**—Must operate successfully at fifty per cent. overload in amperes, with twenty-five per cent. excess voltage under the most severe conditions they are liable to meet with in practice.

**j. Marking**—Must be plainly marked where it will be visible, when the switch is installed, with the name of the maker and the current and the voltage for which the switch is designed.

**k. Spacings**—The following table shows minimum break distance and separation of nearest metal parts of opposite polarity of plain knife switches for different voltages and different currents, except where approved barriers are used, when one-half of the distance in table will be required. The values given refer to the marked capacities of the switches and include the safety factors required by section i above. The values given are correct for switches to be used on direct-current systems and can, therefore, be safely followed in devices designed for alternating currents.

Switches mounted on panel boards:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.		Minimum Break Distance.	
	125 Volts.	250 Volts.	125 Volts.	250 Volts.
10	3/4 inch.	1 1/2 inch.	1/2 inch.	1 1/4 inch.
35	1	1 3/4 "	3/4 "	1 1/2 "
50	1 1/4 "	2 "	1 "	1 3/4 "
100	1 3/4 "	2 1/4 "	1 1/4 "	2 "
300	1 3/4 "	2 3/4 "	1 1/2 "	2 1/4 "
600	2 "	2 3/4 "	1 3/4 "	2 1/2 "

Switches mounted on switchboards and individual bases:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.		Minimum Break Distance.	
	125 Volts.	250 Volts.	125 Volts.	250 Volts.
0 to 10	1 inch.	1 1/2 inch.	3/4 inch.	1 1/4 inch.
11 to 35	1 1/4 "	1 3/4 "	1 "	1 1/2 "
36 to 100	1 1/2 "	2 "	1 1/4 "	2 "
101 to 300	2 "	2 1/4 "	2 "	2 1/2 "
301 to 600	2 1/4 "	2 3/4 "	2 1/2 "	2 3/4 "
601 to 1,000	3 "	3 "	2 3/4 "	3 "

All switches, 250 to 600 volts:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.	Minimum Break Distance.
0 to 10	3 1/2 inch.	3 inch.
11 to 35	4 "	3 1/2 "
36 to 100	4 1/2 "	4 "
101 to 300	5 "	4 1/2 "

Service switches, 100 to 250 volts:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.	Minimum Break Distance.	Fuse Break.
100	1 1/4 inch.	1 1/4 inch.	3/4 inch.
200	1 1/2 "	1 1/2 "	3/4 "
300	1 3/4 "	1 3/4 "	1 "
600	2 "	2 "	1 "
800	2 1/4 "	2 1/4 "	1 "
1,000	2 1/2 "	2 1/2 "	1 1/4 "

Note.—Auxiliary breaks or equivalent are recommended for switches designed for over 300 volts, and less than 100 amperes, and will be required on switches designed for use in breaking currents over 100 amperes, at a pressure of more than 300 volts.

Snap switches:

Flush, push button, door, fixture and other snap switches, used on constant-potential systems, must be constructed in accordance with the following specifications:

**l. Current-carrying parts** must be mounted on incombustible, non-absorptive insulating bases, such as slate or porcelain, and the holes for supporting screws must be countersunk not less than one-eighth inch, and in no case must there be less than three sixty-fourths inch space between supporting screws and current-carrying parts.

Sub-bases which will separate the wires at least one-half inch from surface wired over must be furnished for all snap switches used in exposed knob or cleat work.

**m. Mounting**—Pieces carrying contact jaws must be secured to the base by at least two screws, or else made with a square shoulder, or provided with dowel-pins, or otherwise arranged, to prevent possible turnings; and the nuts or screw-heads on the under side of the base must be countersunk not less than 1/8 inch, and covered with a waterproof compound which will not melt below 150 degrees Fahrenheit.

**n. Metal**—All switches must have ample metal for stiffness and to prevent rise in temperature of any part of over 50 degrees Fahrenheit at full load, the contacts being arranged so that a thoroughly good bearing at every point is obtained. The whole device to be mechanically well made throughout.

Note.—In order to meet the above requirements on temperature rise, without causing excessive friction and wear on current-carrying parts, contact surfaces of from 0.1 to 0.15 square inch for each 10 amperes will be required, depending upon the metal used and the form of construction adopted.

**o. Insulating Material**—Any material used for insulating current-carrying parts must retain its insulating and mechanical strength when subject to continued use, and must not soften at a temperature of 212 degrees Fahrenheit.

**p. Binding Posts**—Binding posts carrying current of not more than 660 watts may be used, and must be substantially made. The screws must be of such size that the threads will not strip when set up tight with a screw-driver.

**q. Covers**—Covers made of conducting material, except face plates for flush switches, must be lined on sides and top with insulating, tough and tenacious material at least one thirty-second inch in thickness, firmly secured so that it will not fall out with ordinary handling. Side lining must extend slightly beyond the lower edge of the cover.

**r. Handle or Button**—The handle, post, shaft or button, or any exposed parts, must not be in electrical connection with the circuit.

**s. Test**—Must "make" and "break" with a quick snap, and not stop when motion has once been imparted by the button or handle.

Must operate successfully at 50 per cent. overload in amperes, and 25 per cent. excess voltage under the most severe conditions they are liable to meet with in practice.

When slowly turned "on" and "off" at the rate of about two or three times per minute, must "make" and "break" the circuit six thousand times before failing, while carrying the rated current.

**t. Marking**—Must be plainly marked where it may be readily seen after the device is installed, with the name or trade-mark of the maker and the current and voltage for which the switch is designed.

On flush switches these markings may be placed on the back of the face plate, or on the sub-plate. On other designs they must be placed on the front of the cap, cover or plate.

Switches which indicate, upon inspection, whether the current is "on" or "off," are recommended.

**119. Panel, Distributing, Meter and Cut-out Boards**—**a.** In general, these boards must be carefully designed and constructed with due regard to the particular service they are to perform, and particular attention must be given to the arrangement for convenient and safe handling of the apparatus located at the board, or controlled therefrom.

**b.** All boards must have the maker's name or trade-mark plainly marked on them.

in such place that it may be seen when the board is in position. This may be stamped on the bus bars, or may be on a name-plate suitably fastened to the board.

c. Must be kept free from moisture.

d. Bases must be made of marble or slate. If it is desired to use any other material, a sample must be submitted to this Department for its approval before being placed in service.

e. All switches, fuse connections, etc., must comply with the rules and requirements given for knife switches and fuses.

f. The air space between live uninsulated conductors of opposite polarity, when held free of any surface, must be at least:

Amperes.	125 and 150 Volts.
35 amperes or less.....	1/2 inch.
36 to 300 amperes.....	3/4 " "
301 to 3,000 amperes.....	1 " "

**Bus Bars:**

g. When lying on a surface, the space between live uninsulated conductors of opposite polarity must be equal to those given in the following table, except where barriers are used, when the space may be reduced one-half:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.	
	125 Volts.	250 Volts.
10.....	3/4 inch.	1 1/2 inch.
35.....	3/4 " "	1 1/4 " "
50.....	1 " "	1 3/4 " "
100.....	1 " "	2 " "
300.....	1 " "	2 " "
1,000.....	1 1/4 " "	2 1/2 " "

h. The following table shows the minimum break distance and the separation of the nearest metal parts of opposite polarity for plain open link fuses, when mounted on marble or slate bases for different voltages and different currents:

Amperes.	Separation of Nearest Metal Parts of Opposite Polarity.		Minimum Break Distance.	
	125 Volts.	250 Volts.	125 Volts.	250 Volts.
10.....	3/4 inch.	1 1/2 inch.	3/4 inch.	1 1/4 inch.
35.....	3/4 " "	1 1/2 " "	3/4 " "	1 1/4 " "
50.....	1 " "	1 3/4 " "	3/4 " "	1 1/4 " "
100.....	1 " "	1 3/4 " "	3/4 " "	1 1/4 " "
300.....	1 " "	2 " "	1 " "	1 1/2 " "
1,000.....	1 1/4 " "	2 1/2 " "	1 1/4 " "	2 " "

120. Cut-out Cabinets—**a.** Must be so constructed, and cut-outs so arranged, as to obviate any danger of the melted metal coming in contact with any substance which might be ignited thereby.

The following specifications must be followed:

**b. Material**—Boxes may be made of marble, slate, metal or wood. If wood is used, the inside of the box must be lined with an incombustible material, such as slate, metal or asbestos board. If asbestos board is used, it must be at least one-eighth of an inch in thickness, must be neatly put on, and firmly secured in place by shellac and tacks.

**c. Door**—The door must close against a rabbet, so as to be perfectly dust tight. Strong hinges and a strong hook or catch are required. Glass doors must be glazed with heavy plate glass, not less than three-sixteenths inch in thickness, and panes not to exceed one foot in width. A space of several inches must be allowed between the fuses and the door, especially when glass is used. This is necessary to prevent cracking or breaking by the severe blow and intense heat which may be produced under some conditions.

**d. Bushings**—Bushings through which wires enter must tightly fit the holes in the box, and must be of approved construction.

**e. Wires** must tightly fit the bushings, using tape to build up the wire, if necessary, so as to keep out the dust.

**f. Gutters**—Gutters of panel boards, or devices, must have sufficient space to confine conductors and be lined with slate or marble of at least three-eighths inch thickness, or of metal at least one-sixteenth inch thickness, treated with an approved rust preventive.

**121. Sockets—**

(See No. 91.)

**a.** Sockets of all kinds, including wall receptacles, must be constructed in accordance with the following specifications:

**b. Standard Sizes**—The standard lamp socket must be suitable for use on any voltage not exceeding 250 and with any size lamp up to fifty candle-power. For lamps larger than fifty candle-power a standard keyless socket may be used; or if a key is required, a special socket designed for the current to be used must be made. Any special sockets must follow the general spirit of these specifications, and receive the approval of said Department before being placed in service.

**c. Marking**—The standard socket must be plainly marked fifty candle-power, 250 volts, and with either the manufacturer's name or registered trade-mark. Special large sockets must be marked with the current and voltage for which they are designed.

**d. Shell**—Metal used for shells must be moderately hard, but not hard enough to be brittle, nor so soft as to be easily dented or knocked out of place. Brass shells must be at least 0.013 inch in thickness, and shells of any other metal must be thick enough to give the same stiffness and strength of brass.

**e. Lining**—The inside of the shells must be lined with insulating material, which must absolutely prevent the shell from becoming a part of the circuit, even though the wires inside the socket should start from their position under binding screws.

**f.** The material used for lining must be at least one-thirty-second of an inch in thickness, and must be tough and tenacious. It must not be injuriously affected by the heat from the largest lamp permitted in the socket, and must leave the water in which it is boiled practically neutral. It must be so firmly secured to the shell that it will not fall out with ordinary handling of the socket. It is preferable to have the lining in one piece.

**g. Cap**—Caps when of sheet brass must be at least 0.013 inch in thickness, and when cast or made of other metals must be of equivalent strength. The inlet piece, except for special sockets, must be tapped and threaded for ordinary one-eighth inch pipe. It must contain sufficient metal for a full, strong thread, and, when not of the same piece as the cap, must be joined to it in a way to give the strength of a single piece.

There must be sufficient room in the cap to enable the ordinary wireman to easily and quickly make a knot in the cord and push it into place in cap without crowding. All parts of the cap upon which the knot is likely to bear must be smooth and well insulated.

**h. Frame and Screws**—The frame holding moving parts must be sufficiently heavy to give ample strength and stiffness.

**i.** Brass pieces containing screw threads must be at least 0.06 of an inch in thickness.

**j.** Binding post screws must not be smaller than No. 5 wire, and about forty threads per inch.

**k. Spacing**—Points of opposite polarity must everywhere be kept not less than three-sixty-fourths of an inch apart, unless separated by a reliable insulation.

**l. Connections**—The connecting points for the flexible cord must be made to very securely grip a No. 16 or No. 18 B. & S. conductor. A turned-up lug, arranged so that the cord may be gripped between the screw and the lug in such a way that it cannot possibly come out, is strongly advised.

**m. Lamp Holder**—The socket must firmly hold the lamp in place so that it cannot be easily jarred out, and must provide a contact good enough to prevent undue heating with maximum current allowed. The holding pieces, springs and the like, if a part of the circuit, must not be sufficiently exposed to allow them to be brought in contact with anything outside of the lamp and socket.

**n. Base**—The inside parts of the socket, which are of insulating material, except the lining, must be made of porcelain.

**o. Key**—The socket key handle must be of such a material that it will not soften from the heat of a fifty candle-power lamp hanging downwards in air at 70 degrees Fahrenheit from the socket, and must be securely, but not necessarily rigidly, attached to the metal spindle it is designed to turn.

**p. Ceiling**—All screws in porcelain pieces which can be firmly sealed in place, must be so sealed by a water-proof compound which will not melt below 200 degrees Fahrenheit.

**q. Assembling**—The socket must, as a whole, be so assembled that it will not rattle to pieces. Bayonet joints or equivalents are recommended.

**r. Test**—The socket when slowly turned "on" and "off," at the rate of about two or three times per minute, must "make" and "break" the circuit 6,000 times before failing, when carrying a load of one ampere at 220 volts.

**s. Keyless Sockets**—Keyless sockets of all kinds must comply with the requirements for key sockets as far as they apply.

**t. Sockets of Insulating Materials**—Sockets made of porcelain or other insulating material must conform to the above requirements as far as they apply, and all parts must be strong enough to withstand a moderate amount of hard usage without breaking.

**u. Inlet bushings**—When the sockets are not attached to fixtures the threaded inlet must be provided with a strong insulating bushing having a smooth hole of at least fifteen sixty-fourths of an inch in diameter. The corners of the bushing must be rounded and all inside fins removed, so that in no place will the cord be subjected to the cutting or wearing action of a sharp edge.

**122. Hanger-Boards Series Circuits**—Hanger-boards must be so constructed that all wires and current-carrying devices thereon shall be exposed to view, and thoroughly insulated by being mounted on an incombustible, non-absorptive insulating substance. All switches attached to the same must be so constructed that they shall be automatic in their action, cutting off both poles to the lamp, not stopping between points when started and preventing an arc between points under all circumstances.

**123. Arc Lamps—**

(For Installation Rules see No. 76.)

**a.** Must be provided with reliable stops to prevent carbons from falling out in case the clamps become loose.

**b.** Must be carefully insulated from the circuit in all their exposed parts.

**c.** Must, for constant-current system, be provided with an approved hand switch, also an automatic switch that will shunt the current around the carbons, should they fail to feed properly.

**d.** The hand switch to be approved, if placed anywhere except on the lamp itself, must comply with the requirements for switches on hanger-boards as laid down in Rule No. 122.

**e.** Must be so constructed that they will stand the action of a short circuit should the carbons fuse together for an indefinite period without injuring the mechanism of the lamp.

**f.** Must be provided with an automatic cut-out or device that will prevent the upper carbon making electrical contact with the bottom carbon holder, or arm of the lamp, if the same be used as an electrical conductor.

**124. Spark Arresters—**

(See Rule No. 76c.)

Spark arresters must so close the upper orifice of the globe that it will be impossible for any sparks thrown off by the carbons to escape.

**125. Insulating Joints—**

(See Rule No. 90a.)

**a.** Must be entirely made of material that will resist the action of illuminating gases, and will not give way or soften under the heat of an ordinary gas flame, or leak under a moderate pressure. They must be so arranged that a deposit of moisture will not destroy the insulating effect, and must have an insulating resistance of at least 250,000 ohms between the gaspipe attachments, and be sufficiently strong to resist the strain they will be liable to be subjected to in being installed.

**b.** Insulating joints having soft rubber in their construction will not be approved.

**126. Resistance Boxes and Equalizers—**

(See Rule No. 59.)

**a.** Must be equipped with metal, or other incombustible frames. Note.—The word "frame" in this section relates to the entire case and surroundings of the rheostat, and not alone to the upholding supports.

**b.** Connecting terminals on resistance boxes and equalizers carrying a current in excess of twenty-five amperes must be provided with suitable connecting lugs into which leads can be soldered; these lugs to be sufficiently large to take stranded conductors based on the total output of the resistance box and equalizers, the conductors being based on carrying capacity prescribed in the rules for rubber-covered conductors.

**127. Reactive Coils and Condensers**—**a.** Reactive coils must be made of incombustible material, mounted on incombustible bases, and treated, in general, like sources of heat.

**b.** Condensers must be treated like apparatus operating with equivalent voltage and currents. They must have incombustible cases and supports, and be isolated from all combustible materials, and, in general, treated like sources of heat.

**128. Transformers—**

(See Rules Nos. 66, 68, 100.)

**a.** Must not be placed in any but metallic or other incombustible cases.

**b.** Must be constructed to comply with the following tests:  
1. Must be run for eight consecutive hours at full load in watts under conditions of service, and at the end of that time the rise in temperature, as measured by the increase of resistance of the primary coil, must not exceed 135 degrees F.

2. The insulation of transformers when heated must withstand continuously for five minutes a difference of potential of 10,000 volts (alternating) between primary and secondary coils, and between the primary coils and core, and a no-load "run" at double voltage for thirty minutes.

**129. Lightning Arresters—**

(See Rule No. 60.)

Must be mounted on incombustible bases, and must be so constructed as not to maintain an arc after the discharge has passed, and must have no moving parts.

**CLASS E.—MISCELLANEOUS.**

**130. Signaling Systems**—Governing wiring for telephone, telegraph, district messenger and call-bell circuits, fire and burglar alarms, and all similar systems.

**a.** Outside wires must be run in underground ducts or strung on poles and, as far as possible, kept off of buildings, and must not be placed on the same cross-arm with electric light or power wires.

**b.** All aerial conductors and underground conductors which are directly connected to aerial wires must be provided with some approved protective device, which must be located as near their point of entrance to the building as possible, and not less than six inches from curtains and other inflammable material.

**c.** If the protector is placed inside of building, wires, from outside support to binding-posts of protector, must comply with the following requirements:

Must be of copper and not smaller than No. 16 B. & S. gauge.  
Must have an approved rubber insulating covering. (See No. 108.)  
Must have drip loops in each wire immediately outside the building.

Must enter buildings through separate holes sloping upward from the outside; when practicable, holes to be bushed with non-absorptive, incombustible insulating tubes extending through their entire length. Where tubing is not practicable, the wires must be wrapped with two layers of insulating tape.

Must be supported on porcelain insulators, so that they will not come in contact with anything other than their designed supports.

A separation between wires of at least two and one-half inches must be maintained.

Note.—In cases of crosses these wires may become a part of a high-voltage circuit, so that similar care to that given high-voltage circuits is needed in placing them. Reliable porcelain bushings at the entrance holes are desirable, and are only waived under adverse conditions because the state of the art in this type of wiring makes an absolute requirement inadvisable.

d. The ground wire of the protective device must be run in accordance with the following requirements:

Must be of copper, and not smaller than No. 16 B. & S.  
Must have an approved rubber insulating covering. (See No. 108.)

Must run in as straight a line as possible to a good, permanent ground, to be made by connecting to water or gas pipe, preferably water pipe. If gas pipe is used the connection, in all cases, must be made between the meter and service pipes. In the absence of other good ground, the ground must be made by means of a metallic plate or bunch of wires buried in permanently moist earth.

Note.—In attaching a ground wire to a pipe it is often difficult to make a thoroughly reliable solder joint. It is better, therefore, where possible, to carefully solder the wire to a brass plug, which may then be firmly screwed into a pipe fitting.

Where such joints are made under ground they must be thoroughly painted and taped to prevent corrosion.

e. The protector to be approved must comply with the following requirements:

Must be mounted on incombustible, non-absorptive insulating bases, so designed that when the protector is in place all parts which may be alive will be thoroughly insulated from the wall holding the protector.

Must have the following parts:

A lightning arrester which will operate with a difference of potential between wires of not over 500 volts, and so arranged that the chance of accidental grounding is reduced to a minimum.

A fuse designed to open the circuit in case the wires become crossed with light or power circuits. The fuse must be able to open the circuit without arcing or serious flashing when crossed with any ordinary commercial light or power circuit.

A heat coil, if the sensitiveness of the instrument demands it, which will operate before a sneak current can damage the instrument the protector is guarding.

Note.—Heat coils are necessary in all circuits normally closed through magnet windings which cannot indefinitely carry a current of at least five amperes.

The heat coil is designed to warm up and melt out with a current large enough to endanger the instruments if continued for a long time, but so small that it would not blow the fuse ordinarily found necessary for such instruments. These smaller currents are often called "sneak" currents.

The fuses must be so placed as to protect the arrester and heat coils, and the protector terminals must be plainly marked "line," "instrument," "ground."

f. Wires beyond the protector, except where bunched, must be neatly arranged and securely fastened in place in any convenient, workmanlike manner. They must not come nearer than six inches to any electric light or power wire in the building unless incased in approved tubing so secured as to prevent its slipping out of place.

Note.—The wires would ordinarily be insulated, but the kind of insulation is not specified, as the protector is relied upon to stop all dangerous currents. Porcelain tubing or circular loom conduit may be used for incasing wires where required as above.

g. Wires connected with outside circuits, where bunched together within any building, or inside wires where laid in conduits or ducts with electric light or power wires, must have fire-resisting coverings, or else must be incased in an air-tight tube or duct.

Note.—It is feared that if a burnable insulation were used a chance spark might ignite it and cause a serious fire, for many installations contain a large amount of very readily burnable matter.

h. No system of electrical signaling will be permitted where current is taken from electric power or lighting circuits, unless special permission, in writing, is first obtained from this Department.

131. Electric Gas Lighting—Where electric gas lighting is to be used on the same fixture with the electric light:

a. No part of the gas-piping or fixture shall be in electric connection with the gas-lighting circuit.

b. The wires used with the fixtures must have a non-inflammable insulation, or, where concealed between the pipe and shell of the fixture, the insulation must be such as required for fixture wiring for the electric light.

c. The whole installation must test free from "grounds."

d. The two installations must test perfectly free from connection with each other.

132. Insulation Resistance—The wiring in any building must test free from grounds, i. e., the complete installation must have an insulation between conductors and between all conductors and the ground (not including attachments, sockets, receptacles, etc.) of not less than the following:

Up to	5 amperes	4,000,000 ohms.
"	10 "	2,000,000 "
"	25 "	800,000 "
"	50 "	400,000 "
"	100 "	200,000 "
"	200 "	100,000 "
"	400 "	25,000 "
"	800 "	25,000 "
"	1,000 "	12,500 "

All cut-outs and safety devices in place in the above.

Where lamp sockets, receptacles and electroliers, etc., are connected, one-half of the above will be required.

133. Soldering Fluid—The following formula for soldering fluid is suggested:  
Saturated solution of zinc..... 5 parts  
Alcohol ..... 4 "  
Glycerine ..... 1 part

CLASS F.—MARINE WORK.

134. Generators—**a.** Must be located in a dry place.

**b.** Must have their frames insulated from their bed plates.

**c.** Must each be provided with a waterproof cover.

**d.** Must each be provided with a name-plate, giving the maker's name, the capacity in volts and amperes and normal speed in revolutions per minute.

135. Wires—**a.** Must be supported in approved moulding or conduit, except at switchboards and portables.

Note.—Special permission may be given for deviation from this rule in dynamo rooms.

**b.** Must have no single wire larger than No. 12 B. & S. Wires to be stranded when greater carrying capacity is required. No single solid wire smaller than No. 14 B. & S., except in fixing wiring, to be used.

Note.—Stranded wires must be soldered before being fastened under clamps or binding screws and when they have a conductivity greater than No. 10 B. & S. copper wire, they must be soldered into lugs.

**c.** Splices and taps in conductors must be avoided as far as possible. Where it is necessary to make them, they must be so spliced or joined as to be both mechanically and electrically secure without solder. They must then be soldered, to insure preservation, covered with an insulating compound equal to the insulation of the wire, and further protected by a waterproof tape. The joint must then be coated or painted with a waterproof compound.

For moulding work:

**d.** Must have an approved insulating covering.

Note.—The insulation for conductors, to be approved, must be at least 3/32 of

an inch in thickness, and be covered with a substantial waterproof and flame-proof braid.

The physical characteristics shall not be affected by any change in temperature up to 200 degrees F. After two weeks' submersion in salt water at 70 degrees F. it must show an insulation resistance of one megohm per mile, after three minutes' electrification with 550 volts.

**e.** Must have, when passing through water-tight bulkheads and through all decks, a metallic stuffing tube lined with hard rubber. In case of deck-tubes, they shall be boxed near deck, to prevent mechanical injury.

**f.** Must be bushed with hard rubber tubing, one-eighth of an inch in thickness when passing through beams and non-water-tight bulkheads.

For conduit work:

**g.** Must have an approved insulating covering.

Note.—The insulation for conductors for use in lined conduits, to be approved, must be at least 3/32 of an inch in thickness and be covered with a substantial waterproof and flame-proof braid. The physical characteristics must not be affected by any change in temperature up to 200 degrees Fahrenheit.

After two weeks' submersion in salt water at 70 degrees Fahrenheit, it must show an insulation resistance of one megohm per mile, after three minutes' electrification with 550 volts.

For unlined metal conduits, conductors must conform to the specifications given for lined conduits, and in addition have a second outer fibrous covering at least one thirty-second of an inch in thickness, and sufficiently tenacious to withstand the abrasion of being hauled through the metal conduit.

**h.** Must not be drawn in until the mechanical work on the conduit is completed and same is in place.

**i.** Where run through coal-bunkers, boiler-rooms, and where they are exposed to severe mechanical injury, must be incased in approved conduit.

136. Portable Conductors—Must be made of two stranded conductors, each having a carrying capacity equivalent to not less than No. 14 B. & S. wire, and each covered with an approved insulation and covering.

Note.—Where not exposed to moisture or severe mechanical injury, each stranded conductor must have a solid insulation at least one-thirty-second of an inch in thickness, and must show an insulation resistance between conductors, and between either conductor and the ground, of at least one megohm per mile, after one week's submersion in water at 70 degrees Fahrenheit and after three minutes' electrification, with 550 volts, and be protected by a slow-burning, tough-braided outer covering.

Where exposed to moisture and mechanical injury—as for use on decks, holds and fire-rooms—each stranded conductor must have a solid insulation, to be approved, of at least one-thirty-second of an inch in thickness, and protected by a tough braid. The two conductors must then be stranded together, using a jute filling. The whole must then be covered with a layer of flax, either woven or braided, at least one-thirty-second of an inch in thickness, and treated with a non-inflammable, waterproof compound. After one week's submersion in water at 70 degrees Fahrenheit, at 550 volts and a three minutes' electrification, must show an insulation between the two conductors, or between either conductor and the ground, of one megohm per mile.

137. Bell or other Wires—Must never be run in same duct with lighting or power wires.

138. Table of Capacity of Wires—

B. & S. G.	Area Actual	C. M.	Number of Strands	Size of Strands, B. & S. G.	Amperes.
19	1,288	..	..	..	..
18	1,624	..	..	..	3
17	2,048	..	..	..	..
16	2,583	..	..	..	6
15	3,257	..	..	..	..
14	4,107	..	..	..	12
12	6,530	..	..	..	17
..	9,016	7	7	19	21
..	11,368	7	7	18	25
..	14,336	7	7	17	30
..	18,081	7	7	16	35
..	22,799	7	7	15	40
..	30,856	19	19	18	50
..	38,912	19	19	17	60
..	49,077	19	19	16	70
..	60,088	37	37	18	85
..	75,776	37	37	17	100
..	99,064	61	61	18	120
..	124,928	61	61	17	145
..	157,503	61	61	16	170
..	198,677	61	61	15	200
..	250,527	61	61	14	235
..	296,387	91	91	15	270
..	373,737	91	91	14	320
..	413,639	127	127	15	340

139. Switchboards—**a.** Must be made of incombustible, non-absorptive insulating material, such as marble or slate.

**b.** Must be kept free from moisture, and must be located so as to be accessible from all sides.

**c.** Must have a main switch, main cut-out and ammeter for each generator.

**d.** Must have a cut-out and switch for each side of each circuit leading from board.

140. Resistance Boxes—**a.** Must be made of incombustible material.

**b.** Must be located on switchboard or away from combustible material. When not placed on switchboard they must be mounted on non-inflammable, non-absorptive insulating material.

**c.** Must be so constructed as to allow sufficient ventilation for the uses to which they are put.

141. Switches—**a.** Must have incombustible, non-absorptive insulating bases.

**b.** Must operate successfully at fifty per cent. overload in amperes with twenty-five per cent. excess voltage under the most severe conditions they are liable to meet with in practice, and must be plainly marked where it will always be visible, with the name of the maker and the current and voltage for which the switch is designed.

**c.** Must be double-pole when circuits which they control supply more than six sixteen-candle-power lamps or their equivalent.

**d.** When exposed to dampness, they must be incased in a water-tight case.

**e.** Must be of the knife pattern when located on switchboard.

**f.** Must be provided so that each freight compartment may be separately controlled.

142. Cut-outs—**a.** Must have incombustible, non-absorptive insulating bases.

**b.** Must operate successfully, under the most severe conditions they are liable to meet with in practice, on short circuit with fuse rated at fifty per cent. above, and with a voltage twenty-five per cent. above the current and voltage they are designed for, and must be plainly marked where they will always be visible, with the name of the maker and current and voltage for which the device is designed.

**c.** Must be placed at every point where a change is made in the size of the wire (unless the cut-out in the larger wire will protect the smaller).

**d.** In places such as upper decks, holds, cargo spaces and fire-rooms a water-tight and fireproof cut-out may be used, connecting directly to mains when such cut-out supplies circuits requiring not more than 600 watts energy.

**e.** When placed anywhere except on switchboards and certain places, as cargo spaces, holds, fire-rooms, etc., where it is impossible to run from centre of distribution, they must be in a cabinet lined with fire-resisting material.

**f.** Except for motors, searchlights and diving lamps must be so placed that no group of lamps requiring a current of more than six amperes shall ultimately be dependent upon one cut-out.

Note.—A single-covered cut-out may be placed in the moulding when same contains conductor supplying circuits requiring not more than 220 watts energy.

143. Fixtures—a. Must be mounted on blocks made from well seasoned lumber treated with two coats of white lead or shellac.  
 b. Where exposed to dampness, the lamp must be surrounded by a vaporproof globe.  
 c. Where exposed to mechanical injury, the lamp must be surrounded by a globe protected by a stout wire guard.  
 d. Must be wired with same grade of insulation as portable conductors which are not exposed to moisture or mechanical injury.  
 e. Ceiling fixtures over two feet in length must be provided with stay chains.

144. Sockets—No portion of the lamp socket or lamp base exposed to contact with outside objects shall be allowed to come into electrical contact with either of the conductors.

145. Wooden Mouldings—a. Must be made of well-seasoned lumber, and be treated inside and out with at least two coats of white lead or shellac.  
 b. Must be made of two pieces, a backing and a capping, so constructed as to thoroughly incase the wire and provide a 1/2-inch tongue between the conductors, and a solid backing which, under grooves, must be not less than three-eighths of an inch in thickness.  
 c. Where moulding is run over rivets, beams, etc., a backing-strip must first be put up and the moulding secured to this.  
 d. Capping must be secured by brass screws.

146. Interior Conduits—  
 Note—The object of a tube or conduit is to facilitate the insertion or extraction of the conductors, to protect them from mechanical injury, and, as far as possible, from moisture. Tubes or conduits are to be considered merely as raceways, and are not to be relied upon for insulation between wire and wire, or between the wire and the ground.

a. No conduit having an internal diameter of less than five-eighths of an inch shall be used.  
 b. Must be continuous from one junction-box to another or to fixtures, and the conduit tube must properly enter all fittings.  
 c. Must be first installed as a complete conduit system, without the conductors.  
 d. Must be equipped at every point with an approved outlet-box.

147. Motors—a. Must be wired under the same precautions as with a current of same volume and potential for lighting. The motor and resistance-box must be protected by a double-pole cut-out and controlled by a double-pole switch, except in cases where one-quarter horse-power or less is used.  
 Note—The leads or branch circuits must be designed to carry a current at least 50 per cent. greater than that required by the rated capacity of the motor, to provide for the inevitable overloading of the motor at times.  
 b. Must be thoroughly insulated. Where possible, must be set on base frames made from filled, hard, dry wood and raised above surrounding deck. On hoists and winches they must be insulated from bed-plates by hard rubber, fibre or similar insulating material.

c. Must be covered with a waterproof cover when not in use.  
 d. Must each be provided with a name-plate, giving the maker's name, the capacity in volts and amperes and the normal speed in revolutions per minute.

148. Insulation Resistance—The wiring in any vessel must test free from grounds, i. e., the complete installation must have an insulation between conductors and between all conductors and the ground (not including attachments, sockets, receptacles, etc.) of not less than the following:

Up to 25 amperes.....	800,000 ohms.
Up to 50 amperes.....	400,000 ohms.
Up to 100 amperes.....	200,000 ohms.
Up to 200 amperes.....	100,000 ohms.
Up to 400 amperes.....	25,000 ohms.
Up to 800 amperes.....	25,000 ohms.
Up to 1,600 amperes.....	12,000 ohms.

All cut-outs and safety devices in place in the above.  
 Where lamp sockets, receptacles and electroliers, etc., are connected, one-half of the above will be required.

149. Whenever, upon inspection, the wiring in a building is found to be defective and dangerous, the owner thereof, or parties interested, must immediately make such repairs as may be necessary to place the installation in a safe condition, in conformity with the requirements of this Department.

SCOPE AND CONSTRUCTION OF THE FOREGOING RULES AND REGULATIONS AND PENALTIES FOR VIOLATION THEREOF.

This ordinance shall take effect immediately and be considered to contain presumptively all municipal rules and regulations regarding the subject matter in force in The City of New York, and all other ordinances or parts thereof inconsistent herewith are hereby repealed, but this ordinance shall not be retroactive in any way; and any of the foregoing provisions, so far as substantially the same as ordinances existing at the time this general ordinance takes effect, shall be construed as a continuance of such ordinances, modified or amended according to the language employed in the foregoing ordinance, and not as new enactments.

The violation of any of the foregoing rules or regulations shall be deemed to be a violation of the provisions of the Building Code of The City of New York, and shall subject the person or corporation committing the same to the penalties prescribed in "The Greater New York Charter, chapter 466, Laws of 1901," or in the absence of a specific penalty shall be deemed a misdemeanor and be punishable as such.

INDEX.

	Rule and Section.
Acid fumes.....	65, 82 (j) & (k)
Arc lamps, Construction of.....	123
Arc lamps, Height of.....	35
Arc lamps, Installation of.....	76
Arc lamps, On low-potential circuits.....	93
Armored cable.....	115 & 87
Attix wire.....	86
Base frames, Generators and motors.....	56
Batteries, Storage or primary.....	65
Binding screws, not to bear strain.....	92 (f)
Bonds, rail and car houses.....	104 (g)
Boxing, Where necessary.....	75 (e), 82 (e), 99 (d)
Breweries.....	82 (i) to (k)
Burglar alarms.....	130
Burrs and fins, Fixture work.....	90 (b)
Bus bars.....	57, 58, 119
Bushings, for wires.....	69 (d)
Bushings, Lamp sockets.....	92 (e)
Business of electric lighting.....	42
Cabinets for cut-outs.....	120
Cable, Armored.....	115 & 87
Care and attendance.....	61
Car houses.....	104
Carrying capacity table.....	71
Car wiring.....	103
Central stations.....	56, 62
Circuit-breakers, Construction of.....	119
Circuit-breakers, Installation of.....	64, 72, 78
Circuits, Test for "ground".....	90
Circular loom.....	85
Compensator coils.....	94
Concealed wiring.....	82 (a) to (f) & (q) to (s)
Condensers.....	127 (b)
Conductors, comply with Fire Underwriters.....	26
Conductors, On supports of opposite class.....	25
Conductors, Repairs to, in Subway.....	3 & 4
Conductors. (See Wires.)	

Conductors, Test of, in Subway.....	5 to 8
Conduits, Installation of.....	84
Conduits, Lined metal.....	116 (b) to (i)
Conduits, To be marked.....	116 (a)
Conduits, Unlined metal.....	116 (j) & (k)
Conduit work.....	82 (n) to (p)
Constant-current systems.....	75 to 77
Constant-potential systems, General Rules.....	78, 80
Converters. (See Transformers).....	66, 102, 128
Cross-arms.....	22
Cut-out Cabinets.....	120
Cut-outs, Construction of.....	119
Cut-outs, Installation of.....	72
Cut-outs, Marine work.....	142
Cut-outs, To be double pole.....	72 (a)
Decorative Series lamps.....	95
Distance between conductors, inside.....	75 (d), 82 (h), (j) & (r)
Distance between conductors, outside.....	67 (b)
Drip loops at service entrances.....	67 (g)
Dynamo rooms.....	56, 62
Economy coils.....	94
Electric gas lighting.....	131
Electric heaters.....	79
Electric lighting business.....	42
Electro-magnetic devices for switches.....	77 (c)
Elevator Cable.....	88
Equalizers. (See Resistance Boxes.)	
Extra high-potential systems.....	105 & 106
Feeders, Railway.....	104 (j)
Fished wires.....	82 (c) & (s)
Fittings and materials.....	107 to 129
Fixtures.....	90
Fixtures, Marine work.....	143
Fixture wire.....	113
Fixture wiring.....	82 (u) to (w)
Flexible cord, Construction of.....	112
Flexible cord, Construction of, Heaters.....	112 (b)
Flexible cord, Construction of, Pendants.....	112 (b) to (f)
Flexible cord, Construction of, Portables.....	112 (g)
Flexible cord, Use of.....	92
Flexible tubing.....	82 (s)
Formula for soldering fluid.....	132
Fuses, Construction of.....	72
Fuses, Installation of.....	72
Gas lighting, Electric.....	131
General plan of rules, page.....	3
General suggestions, page.....	4
Generators.....	56
Generators, Marine work.....	134
Greenfield, Flexible cable.....	87
Grounded circuits.....	103
Grinding of dynamo and motor frames.....	56 (b), 63 (a)
Grounds, Testing for.....	62
Ground wire for lighting arresters.....	60 (c), 130 (d)
Guard wires.....	43
Hanger-boards, Construction of.....	122
Hanger-boards, when not used.....	76 (d)
Heaters, Electric.....	79
High, Constant-potential systems.....	99 to 104
Incandescent lamps as resistances.....	93 (b)
Inside work.....	69 to 106
Insulating joints, Construction of.....	125
Insulating joints, when required.....	90 (a)
Insulation, Aerial wires.....	37
Insulation of trolley wires.....	67 (k)
Insulation resistance.....	130
Interior conduits. (See Conduits.)	
Joints, In conductors.....	67 (f), 69 (c)
Joints, Insulating. (See Insulating Joints.)	
Junction boxes.....	84
Lamp-post, Electric-light.....	19 to 27
Lamps, Arc. (See Arc lamps.)	
Lamps, Incandescent series.....	77
Lead-covered conductors.....	67 (f)
Lighting arresters, Construction of.....	129
Lighting arresters, Installation of.....	66
Lights from trolley circuits.....	103
Loops, Length of.....	48
Loops, Unused.....	91
Low-potential systems.....	82 to 98
Marine work.....	134 to 147
Mechanical injury, Protection against.....	75 (e), 82 (e), 99 (d)
Motors.....	63
Motors, Marine work.....	147
Moulding, Construction of.....	117
Moulding, Marine work.....	145
Moulding work.....	82 (l) & (m)
Oily waste.....	61 (b)
Open wiring.....	82 (a) to (k)
Outside work.....	67
Outlet boxes.....	84
Permits, Examination of.....	50
Permits, Overhead, underground.....	45 to 49
Permits, Revocation of.....	52
Permits, Where subways exist.....	51
Poles, Branded or stamped.....	18
Poles, Cross-arms.....	22
Poles, Erected one side of street.....	23
Poles, Height of.....	20 & 21
Poles, Maps to be made, etc.....	53
Poles, Painted color of.....	20 & 21
Poles, Permission to others.....	54
Poles, Shall be set.....	17
Poles, Space distance apart.....	24
Poles, Two lines in same street.....	15 & 16
Portable conductors.....	112 (g) & (h)
Portable conductors for marine work.....	136
Power from trolley circuits.....	103
Protective devices signal circuits.....	130 (e)
Railway power plants.....	64
Reactive coils.....	127 (a)
Repairs to dangerous installations.....	149
Resistance boxes, Construction of.....	126
Resistance boxes, Installation of.....	59
Resistance boxes, Marine work.....	140
Resistance for arc lamps, Low potential.....	93 (b)
Rubber gloves.....	44
Series lamps.....	95 & 101
Service blocks.....	67 (b)
Sockets, Construction of.....	121
Sockets, Installation of.....	91
Sockets, Marine work.....	144
Soldering fluid formula.....	132
Spark arresters, Construction of.....	124
Spark arresters, When required.....	76 (c), 93 (c)
Stage cable.....	89
Storage battery rooms.....	65

Subways, Access to..... 10 to 11  
 Subways, Application for..... 1  
 Subways, Manhole guards, etc..... 67 to 69  
 Subways, Permits for repairs..... 3  
 Subways, Rentals..... 9  
 Subways, Space..... 2  
 Switchboards..... 58  
 Switchboards, Marine work..... 139  
 Switches, Construction of..... 118  
 Switches, Electro-magnetic..... 77 (c)  
 Switches, Installation of..... 72  
 Switches, Marine work..... 141  
 Switches, to be double pole..... 72 (a)  
 Switches, When may be single pole..... 63 (c), 72 (c)  
 Systems, Constant-current..... 75 to 77  
 Systems, Constant-potential..... 78 to 104  
 Systems, Extra high, constant-potential..... 105 & 106  
 Systems, High, constant-potential..... 99 to 104  
 Systems, Low, constant-potential..... 78 to 98  
 Telegraph, Telephone and other signal circuits..... 130  
 Testing..... 62  
 Transformers in central stations..... 66  
 Transformers, Construction of..... 128  
 Transformers, Inside..... 100  
 Transformers, Outside..... 68  
 Unused loops..... 41  
 Wire, Concentric..... 114 (a)  
 Wire, Fixtures..... 113  
 Wire, Insulation of..... 107 to 115  
 Wire, Lined conduit..... 114 (a)  
 Wire, Netting required on arc lamps..... 76 (c), 93 (c)  
 Wire, Rubber covered..... 108  
 Wire, Unlined conduit..... 114 (b)  
 Wire, Weatherproof..... 111  
 Wires, Aerial electric light..... 33  
 Wires, Carrying capacity table..... 71  
 Wires, Carrying capacity table, Marine work..... 138  
 Wires, Central stations..... 57  
 Wires, Concealed work..... 82 (q) to (s)  
 Wires, Conduit work..... 82 (n) to (p)  
 Wires, Connections..... 34 to 38  
 Wires, Dead on poles..... 69  
 Wires, Distance between, inside..... 75 (d), 82 (h), (i) & (l)  
 Wires, Distance between, outside..... 67 (b)  
 Wires, Entering buildings..... 36  
 Wires, Extra high potential..... 105 & 106  
 Wires, Fastened to poles, etc..... 29 to 32  
 Wires, Fished..... 82 (c) & (s)  
 Wires, General rules, low-potential..... 82 (a) to (l)  
 Wires, Ground return..... 67 (n)  
 Wires, High potential..... 99 to 101  
 Wires, Inside, constant-current..... 75  
 Wires, Inside, general rules..... 69  
 Wires, Insulation of..... 37 to 39  
 Wires, Marine work..... 135  
 Wires, Marked on poles..... 35  
 Wires, Moulding work..... 82 (l) & (m)  
 Wires, On housetops..... 30  
 Wires, Open work, damp places..... 81 (i) to (k)  
 Wires, Open work, dry places..... 82 (g) & (h)  
 Wires, Outside, overhead..... 67  
 Wires, Repairs to..... 32 & 46  
 Wires, Run at right angles..... 82  
 Wires, Sag between supports..... 31  
 Wires, Slow-burning..... 110  
 Wires, Slow-burning, weatherproof..... 109  
 Wires, Test of "ground"..... 40  
 Wires, Trolley..... 67 (j) to (m)  
 Wires, Underground..... 70  
 Wires, Weatherproof..... 111  
 Wiring in show windows..... 83  
 Wires, Lead-covered..... 67 (j)

Which was referred to the Committee on Laws and Legislation.

**DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.**

New York, June 5, 1902.

In compliance with section 1546 of the Greater New York Charter, the Department of Water Supply, Gas and Electricity makes the following report of its transactions for the week ending May 24, 1902:

**Public Moneys Received and Deposited.**

**BOROUGH OF MANHATTAN.**

Receipts for water rents.....	\$110,886 10
Receipts for penalties on water rents.....	170 70
Receipts for permits to tap water mains.....	72 50
Receipts for repairs, etc.....	135 11
	<u>\$111,264 41</u>

**BOROUGH OF THE BRONX.**

Receipts for water rents.....	\$16,917 00
Receipts for penalties on water rents.....	53 85
Receipts for permits to tap water mains.....	128 00
	<u>\$17,098 85</u>

**BOROUGH OF BROOKLYN.**

Receipts for water rents.....	\$91,915 81
Receipts for arrears of water rents.....	2,027 83
Receipts for permits to tap water mains.....	279 50
Receipts for water for building purposes.....	332 10
Receipts for miscellaneous work.....	23 45
	<u>\$94,578 69</u>

**BOROUGH OF QUEENS.**

Receipts for water rents.....	\$3,043 86
Receipts for penalties on water rents.....	8 18
Receipts for permits to tap water mains.....	67 00
	<u>\$3,119 04</u>

**BOROUGH OF RICHMOND.**

Receipts for water rents.....	\$55 00
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**Changes in Public Lamps.**

**BOROUGHS OF MANHATTAN AND THE BRONX.**

8 new lamps erected, 1 lamp relighted, 14 lamps discontinued, 46 lamp-posts removed, 21 lamp-posts reset, 39 lamp-posts straightened, 2 columns refitted, 3 columns releaded, 1 service pipe refitted, 4 stand-pipes refitted.

**Changes in the Working Force.**

**BOROUGHS OF MANHATTAN AND THE BRONX.**

Appointed—Mary H. O'Connell, Stenographer and Typewriter, \$900 per annum.  
 Removed—Arthur V. Healey, Clerk.

WM. A. DE LONG,  
 Deputy Commissioner of Water Supply, Gas and Electricity.

**DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.**

June 11, 1902.

In compliance with section 1546 of the Greater New York Charter, the Department of Water Supply, Gas and Electricity makes the following report of its transactions for the week ending May 29, 1902:

**Public Moneys Received and Deposited.**

**BOROUGH OF MANHATTAN.**

Receipts for water rents.....	\$85,230 77
Receipts for penalties on water rents.....	106 95
Receipts for permits to tap water mains.....	95 50
	<u>\$85,433 22</u>

**BOROUGH OF THE BRONX.**

Receipts for water rents.....	\$8,372 90
Receipts for penalties on water rents.....	35 25
Receipts for permits to tap water mains.....	27 00
	<u>\$8,435 15</u>

**BOROUGH OF BROOKLYN.**

Receipts for water rents.....	\$67,774 53
Receipts for arrears of water rents.....	1,866 14
Receipts for permits to tap water mains.....	160 25
Receipts for water for building purposes.....	222 15
	<u>\$70,022 87</u>

**BOROUGH OF QUEENS.**

Receipts for water rents.....	\$1,062 45
Receipts for permits to tap water mains.....	75 00
Receipts for penalties on water rents.....	1 42
	<u>\$1,138 87</u>

**BOROUGH OF RICHMOND.**

Receipts for water rents.....	\$43 44
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**Changes in Public Lamps.**

**BOROUGHS OF MANHATTAN AND THE BRONX.**

2 new lamps erected, 8 new lamps lighted, 42 lamps relighted, 6 lamps discontinued, 91 lamp-posts removed, 10 lamp-posts reset, 41 lamp-posts straightened, 1 column refitted, 31 columns releaded, 9 service pipes refitted, 9 stand pipes refitted.

**Contracts Entered Into.**

For excavating and removing rock in hydrant trenches, etc., boroughs of Manhattan and The Bronx, dated May 22, 1902; estimated amount \$4,250. Contractor: John Slattery, No. 368 Park avenue, City; Sureties: The United States Fidelity and Guaranty Company, No. 140 Broadway; The City Trust, Safe Deposit and Surety Company, of Philadelphia, No. 160 Broadway, City.

For supplies, for the Borough of Brooklyn, dated May 24, 1902; estimated amount, \$4,715; Contractor: Louis H. Brown, Nos. 15 to 21 Park Row, City; Sureties: The United States Fidelity and Guaranty Company, No. 140 Broadway; The City Trust, Safe Deposit Surety Company of Philadelphia, No. 160 Broadway, City.

For furnishing and delivering 4,600 gross tons of egg size white ash anthracite coal, Borough of Queens, dated May 27, 1902; estimated amount, \$24,893; Contractor: Joseph K. Wells, No. 1 Broadway, City; Sureties: The United States Fidelity and Guaranty Company, No. 140 Broadway; The City Trust, Safe Deposit and Surety Company of Philadelphia, No. 160 Broadway, City.

For furnishing cast-iron water pipes, branch pipes and special castings, boroughs of Manhattan and The Bronx, dated May 27, 1902; estimated amount, \$11,762.50; Contractors: M. J. Drummond and Walter J. Drummond, No. 192 Broadway, City; Sureties: The United States Fidelity and Guaranty Company, No. 140 Broadway; The City Trust, Safe Deposit and Surety Company, of Philadelphia, No. 160 Broadway, City.

**Changes in the Working Force.**

**BOROUGHS OF MANHATTAN AND THE BRONX.**

Appointed—Arthur Rodgers, Clerk, \$600 per annum; Harry M. Mulreedy, Inspector of Meters, \$1,000 per annum; 1 Calker at \$3 per day; 3 Laborers at \$2 per day.

Deceased—Patrick O'Hare, Engineman.  
 Resigned—Bernard Sheridan, Roekman; Daniel G. Hawthorne, Inspector of Meters.

**BOROUGH OF QUEENS.**

Removed—Michael J. O'Shea, Clerk.

WM. A. DE LONG,  
 Deputy Commissioner of Water Supply, Gas and Electricity.

**BOROUGH OF MANHATTAN.**

**COMMISSIONER OF PUBLIC WORKS.**

May 26, 1902.

In accordance with the provisions of section 1546, chapter 466 of the Laws of 1901, I transmit the following report of the transactions of the offices of the Commissioner of Public Works, President of the Borough of Manhattan, for the week ending May 21, 1902.

**GEORGE LIVINGSTON, Commissioner of Public Works.**

Approved:  
**JACOB A. CANTOR, President Borough of Manhattan.**

**Public Moneys Received During the Week.**

For restoring and repaving pavement, general account.....	\$2,007 75
For redemption of obstructions seized.....	58 50
For vault permits.....	4,180 01
For shed permits.....	70 00
For sewer connections.....	105 25
<b>Total.....</b>	<u>\$6,421 51</u>

Permits Issued.	
Permits to open streets, to repair water connections.....	97
Permits to place building material on streets.....	91
Permits to construct street vaults.....	6
Permits to construct sheds.....	14
Permits to cross sidewalks.....	24
Permits for subways, steam mains and various connections.....	202
Permits for railway construction and repairs.....	3
Permits to repair sidewalks.....	40
Permits for sewer connections.....	10
Permits for sewer repairs.....	16

Total..... 503

Obstructions Removed.	
Obstructions removed from various streets and avenues.....	44

Repairs to Pavement.	
Square yards of pavement repaired.....	7257

Repairs to Sewers.	
Linear feet of sewer built.....	267
Linear feet of sewer cleaned.....	8,580
Linear feet of sewer relieved.....	1,800
Basins cleaned.....	257

Requisitions drawn on Comptroller..... \$86,227 75

Statement of Laboring Force Employed during the Week Ending May 17, 1902.

	Mechanics.	Laborers.	Teams.	Carts.	Bath Attendants.	Cleaners.
Repaving and renewal of pavements.....	252	267	4	77	..	..
Boulevards, roads and avenues, maintenance of.....	20	89	22	8	..	..
Roads, streets and avenues.....	4	31	10	1	..	..
Sewers, maintenance, cleaning, etc.....	11	81	12	39	..	3
Cleaning public buildings, baths, etc.....	89	42	..	23	26	234
Total.....	379	510	48	148	26	237

Changes in Working Force for Week ending May 17, 1902.

1 Consulting Architect appointed, 2 Cartmen appointed, 1 Teamster appointed, 1 Teamster reinstated, 1 Basin Foreman reinstated, 3 Favers reinstated, 1 Cartman removed, 1 Topographical Draughtsman resigned, 1 Borough Supervisor of Complaints resigned.

**BOROUGH OF BROOKLYN.**

Report of the President of the Borough of Brooklyn for the Week Ending May 31 1902.

**OFFICE OF THE PRESIDENT OF THE BOROUGH.**

Meeting of the Prospect Heights Local Improvement District, held May 29, 1902.  
Meeting of the Flatbush Local Improvement District, held May 29, 1902.

**BUREAU OF HIGHWAYS.**

Force Employed on Repairs to Street Pavements.  
Mechanics 44, Laborers 79, Teams 2, Wagons 9, Carts 19.

**Work of Connection Gangs.**

Water and sewer connections repaired.....	151
Gas and sewer connections repaired.....	40
Electric light connections repaired.....	12

**Work of Repair Gangs.**

	Yards.	Kind.
Kosciusko street, between Reid avenue and Broadway.....	646	Cobble
Roehling street, between No. 7th and No. 8th.....	60	Cobble
Hart street, between Tompkins and Marey avenues.....	580	Cobble
Bushwick avenue, between Greene avenue and Woodbine street.....	1,138	Granite
Kingsland avenue, between Nassau and Norman avenues.....	330	Cobble
Norman avenue, between Kingsland avenue and Humboldt street.....	480	Cobble
Lorraine street, between Court and Clinton streets.....	387	Cobble
Steuben street, between Park and Myrtle avenues.....	60	Cobble

Complaints received.....	71
Defects remedied.....	44

Dangerous holes made safe and repaired.....	61
Total number of square yards of pavement repaired.....	4,610

**Force Employed on Macadam and Unpaved Roadways.**

Mechanics 4, Laborers 29, Teams 2, Sprinklers 5, Wagons 4, Carts 7.	
Macadam roadway cleaned, linear feet.....	10,275
Dirt roadway cleaned and repaired, linear feet.....	760
Gutters cleaned, linear feet.....	23,820

Repairs are being made to macadam roadways on Sixty-fifth street, between New Utrecht and Tenth avenues; Flatbush avenue, between Avenues E and F; Eighty-third street, between Twelfth and Fifteenth avenues.  
Incumbrances removed from forty-six locations and stored in Wallabout yard.  
Incumbrances found removed at forty-seven locations.  
31 openings in macadam pavement were repaired.  
754 linear feet of curb were reset.  
40 linear feet of gutter were reset.  
175 square feet of bridging were relaid.

**BUREAU OF PUBLIC BUILDINGS AND OFFICES.**

Thirty-seven orders—twenty-five for supplies and twelve for repairs—were issued by the Bureau of Public Buildings and Offices during the week.  
Edward M. Munday, a stenographer and typewriter in the Bureau, was granted an indefinite leave of absence beginning June 1, 1902, without pay.

**BUREAU OF SEWERS.**

**Moneys Received.**

For sewer permits.....	\$306 00
Number of permits issued.....	36
For new sewer connections.....	26
For old sewer connections (repairs).....	10
Requisition drawn on Comptroller, 3.....	\$1,920 69
Linear feet of sewer built.....	267
Linear feet of sewer cleaned.....	12,603

Number of basins cleaned.....	319
Linear feet of sewer examined.....	2,350
Number of basins examined.....	679
Number of basins repaired.....	9
Number of basin covers put on.....	3
Number of manholes built.....	3
Number of manhole covers put on.....	5
Bricks used for repairs.....	121
Barrels of cement used for repairs.....	1-3

**Laboring Force Employed During the Week.**

Sewer repairing and cleaning—payroll and supplies—seven Foremen, one Mechanic, forty-four Laborers and twenty-four horses and carts.  
Street Improvement Fund—Twenty Inspectors of Construction.  
Twenty-sixth Ward Disposal Works—One Mechanic and sixteen Laborers.  
Thirty-first Ward Disposal Works—Three Foremen, one Mechanic and twenty-nine Laborers.  
Office Force—Ten Inspectors of Sewer Connections, six Inspectors of Sewers and Basins.

**BUREAU OF INCUMBRANCES AND PERMITS.**

**Complaint Department.**

Department of Street Cleaning.....	3
Bureau of Complaints.....	0
Mail.....	12
Office.....	4
Inspectors.....	217
Police Department.....	3

**Classification and Disposal.**

Sidewalk signs.....	9
Slot machines.....	19
Trees and limbs.....	2
Push carts and wagons.....	6
Miscellaneous.....	44
	80

**Inspectors' Department.**

Complaints made.....	217
Complaints settled.....	118
Slips settled.....	67
	402

**Permit Department.**

Permits—	
Building material.....	17
Vaults.....	2
Crosswalks.....	12
Special.....	232
	263

Permits passed—	
Tap water pipes.....	19
Repair water connections.....	80
Sewer connections.....	27
Sewer connection repairs.....	9
	135

**Cashier's Department.**

Moneys received—	
Repaving over water connections.....	\$365 00
Repaving over gas connections.....	8 00
Repaving over sewer connections.....	51 00
Redemption for incumbrances seized.....	4 00
Special paving.....	13 00
	\$441 00

**BUREAU OF BUILDINGS.**

Plans filed for new buildings (brick).....	37
Estimated cost.....	\$383,130 00
Plans filed for new buildings (frame).....	26
Estimated cost.....	\$61,050 00
Plans filed for alterations.....	24
Estimated cost.....	\$18,925 00
Plumbing slip permits.....	12
Estimated cost.....	\$2,241 00
Building slip permits.....	45
Estimated cost.....	\$3,450 00
Unsafe cases filed.....	9
Violation cases filed.....	41
Fire escape cases filed.....	4
Unsafe notices issued.....	9
Violation notices issued.....	41
Fire escape notices issued.....	4
Cases referred to Counsel.....	52
Complaints lodged with the Bureau.....	11

**Corresponding Week Ending June 1, 1901.**

Plans filed for new buildings (brick).....	13
Estimated cost.....	\$53,200 00
Plans filed for new buildings (frame).....	26
Estimated cost.....	\$73,825 00
Plans filed for alterations.....	33
Estimated cost.....	\$22,335 00

J. EDW. SWANSTROM, President of the Borough of Brooklyn.  
JUSTIN McCARTHY, Jr., Secretary.

**BOROUGH OF BROOKLYN.**

Report of the President of the Borough of Brooklyn for the Week Ending June 7, 1902.

**OFFICE OF THE PRESIDENT OF THE BOROUGH.**

**BUREAU OF PUBLIC BUILDINGS AND OFFICES.**

Thirty-nine (39) orders were issued, twenty-nine (29) for supplies and eleven for repairs.

**BUREAU OF HIGHWAYS.**

Force employed on repairs to street pavements:  
Sixty Mechanics, ninety-three Laborers, twelve horses and wagons, four teams, twenty-five horses and carts.

Work done by connection gangs:	
Water and sewer connections repaired.....	253
Gas connections repaired.....	55
Electric light connections repaired.....	25
Dangerous holes repaired and made safe.....	83
Complaints received.....	60
Defects remedied.....	59

Work of repair gangs:

	Yards.	Kind.
Norman avenue, between Kingsland avenue and Monitor street....	444	Cobble
Kingsland avenue, between Norman and Meserole avenues.....	895	Cobble
Roebing street, between North Seventh and North Tenth streets	1,421	Cobble
Lorraine street, between Court street and Henry street.....	595	Cobble
Bushwick avenue, between Gates avenue and Hancock street.....	663	Granite
Moffat street, between Broadway and Evergreen avenue.....	117	Cobble
Hart street, between Tompkins and Marcy avenues.....	1,164	Cobble
Humboldt street, between Engert avenue and Broome street.....	180	Cobble
Greenpoint avenue, between Manhattan avenue and Franklin street.	605	Granite

Total number of square yards paved.....	7,675
Linear feet of curb reset.....	484
Linear feet of gutter reset.....	529
Square feet of bridging relaid.....	324
Square feet of flagging relaid.....	459

Force employed on macadam and unimproved roadways:

Six Mechanics, thirty-five Laborers, three horses and wagons, thirteen horses and carts, three teams, ten sprinklers.

Macadam roadways cleaned, linear feet.....	6,285
Dirt roadways repaired and cleaned, linear feet.....	2,070
Gutters cleaned, linear feet.....	16,140

Repairs made to macadam roadways:

Flatbush avenue, between Avenue G and Avenue H.	
Sixty-fifth street, between New Utrecht avenue and Fort Hamilton avenue.	
Eighty-third street, between Twelfth and Fifteenth avenues.	
Connections in macadam pavements repaired.....	32

Incumbrances removed from locations and stored in Corporation yard.

BUREAU OF INCUMBRANCES AND PERMITS.

Complaint Department.

Department of Street Cleaning.....	5
Mail.....	13
Office.....	3
Inspectors.....	124
Police Department.....	3
	<u>148</u>

Classification and Disposal.

Sidewalk signs.....	83
Slot machines.....	10
Show cases.....	3
Boulders.....	2
Trees and limbs.....	5
Push carts and wagons.....	11
Coal boxes.....	2
Miscellaneous.....	86
	<u>202</u>

Inspectors' Department.

Complaints made.....	124
Complaints settled.....	188
Slips settled.....	94

Permit Department.

Permits—	
Building material.....	15
Vaults.....	5
Crosswalk.....	18
Special.....	209
	<u>337</u>

Permits passed—

Tap water pipes.....	37
Repair water connections.....	11
Sewer connections.....	55
Sewer connection repairs.....	11
	<u>114</u>

Cashier's Department.

Moneys received—	
Repaving over water connections.....	\$649 00
Repaving over sewer connections.....	300 00
Repaving over gas connections.....	37 00
Inspectors for work done for corporations.....	432 00
Special paving.....	76 90
Extra paving.....	15 20
Total.....	<u>\$1,510 10</u>

BUREAU OF SEWERS.

Moneys received.....	\$666 80
For sewer permits.....	\$666 80
Number of permits issued.....	66
For new sewer connections.....	55
For old sewer connections (repairs).....	11
Requisitions drawn on Comptroller, 3.....	\$1,775 54
Linear feet of sewer built.....	2,800
Number of basins built.....	1
Linear feet of sewer cleaned.....	6,600
Number of basins cleaned.....	454
Linear feet of sewer examined.....	8,480
Number of basins examined.....	1,506
Number of basins repaired.....	26
Linear feet of sewer repaired.....	12
Number of manholes built.....	18
Number of manhole covers put on.....	2
Bricks used for repairs.....	165
Barrels of cement used for repairs.....	1/2

Laboring Force Employed During the Week.

Sewer Repairing and Cleaning—Payroll and Supplies—7 Foremen, 1 Mechanic, 43 Laborers, 25 Horses and Carts.  
 Street Improvement Fund—19 Inspectors of Construction.  
 Twenty-sixth Ward Disposal Works—1 Mechanic, 15 Laborers.  
 Thirty-first Ward Disposal Works—3 Foremen, 1 Mechanic, 29 Laborers.  
 Office Force—10 Inspectors of Sewer Connections, 6 Inspectors of Sewers and Basins.

BUREAU OF BUILDINGS.

Plans filed for new buildings—Brick.....	24
Estimated cost.....	\$297,975 00
Plans filed for new buildings—Frame.....	11
Estimated cost.....	\$20,735 00
Plans filed for alterations.....	44

Estimated cost.....	\$59,765 00
Plumbing slip permits.....	31
Estimated cost.....	\$5,025 00
Building slip permits.....	43
Estimated cost.....	\$2,928 00
Unsafe cases filed.....	11
Violation cases filed.....	62
Fire escape cases filed.....	2
Unsafe notices issued.....	12
Violation notices issued.....	63
Fire escape notices issued.....	3
Cases referred to counsel.....	36
Complaints lodged with the Bureau.....	9

Corresponding Week Ending June 8, 1901.

Plans filed for new buildings—Brick.....	25
Estimated cost.....	\$367,500 00
Plans filed for new buildings—Frame.....	35
Estimated cost.....	\$54,420 00
Plans filed for alterations.....	31
Estimated cost.....	\$25,545 00

J. EDW. SWANSTROM, President of the Borough of Brooklyn.

DEPARTMENT OF PUBLIC CHARITIES.

Report for week ending May 31, 1902.

BOROUGH OF MANHATTAN AND THE BRONX.

ALMSHOUSE.

Dropped from Roll.

May 27. Lena Spies, Hospital Helper, \$144, deceased.

CENTRAL OFFICE.

Transfers.

June 1. Daniel J. Doyle, Bookkeeper, \$1,950, from Central Office, Borough of Brooklyn.  
 June 1. Bernard Lamb, Chief Clerk, \$2,250, from Central Office, Borough of Brooklyn.  
 June 1. John J. Monock, Clerk, \$1,200, from Central Office, Borough of Brooklyn.

CITY HOSPITAL.

Appointments.

May 19. Mary Sullivan, Hospital Helper, \$144.  
 May 19. Laura Kelly, Hospital Helper, \$144.  
 June 12. Mary Lyons, Hospital Helper, \$60.  
 May 16. Lizzie Kelly, Hospital Helper, \$72.  
 May 21. James Gilmore, Hospital Helper, \$120.  
 May 22. Mary Coffey, Hospital Helper, \$144.  
 May 26. James Ryan, Hospital Helper, \$120.  
 May 26. Kate Romanek, Hospital Helper, \$144.

Resignation.

May 25. John Lyons, Hospital Helper, \$120.

Dismissals.

May 17. Annie West, Hospital Helper, \$144, overstaying pass.  
 May 17. Rose Belmer, Hospital Helper, \$144, overstaying pass.  
 May 20. John Corcoran, Hospital Helper, \$120, overstaying pass.  
 May 24. Rose Carroll, Hospital Helper, \$144, overstaying pass.

METROPOLITAN HOSPITAL.

Appointments.

May 22. Lizzie Sheridan, Hospital Helper, \$150.  
 May 21. Katherine A. Dillon, Pupil Nurse, \$120.  
 May 13. Frank Helck, Hospital Helper, \$150.

Dropped from Roll.

May 24. Edith Dickerson, Pupil Nurse, \$180; graduated.  
 May 8. Mary Duffy, Hospital Helper, \$60, illness.

Dismissals.

May 25. Annie Brennan, Hospital Helper, \$150, absence without leave.  
 May 26. Alma Williams, Hospital Helper, \$150, absence without leave.

NEW YORK CITY TRAINING SCHOOL.

Appointment.

May 26. Martha F. Bournay, Head Pupil Nurse, \$360.

Dropped from Roll.

May 26. Margaret Parsons, Pupil Nurse, \$180, illness.

OUTDOOR POOR.

Appointment.

May 21. James Hennessey, Hospital Helper, \$150.

Dismissal.

May 3. James Hennessey, Hospital Helper, \$150.

Promotion.

June 1. Mary Frances Butler, Hospital Helper, \$150 to \$240. (Certified by Departmental Board of Examiners May 23, 1902.)

RANDALL'S ISLAND ASYLUMS AND SCHOOLS.

Appointments.

May 22. Michael Hayes, Hospital Helper, \$120.  
 May 23. John Ward, Hospital Helper, \$120.  
 May 24. John Oakley, Hospital Helper, \$120.  
 May 24. Charles Stringer, Hospital Helper, \$60.  
 May 23. Patrick McGuire, Hospital Helper, \$120.  
 May 23. John Duddy, Hospital Helper, \$120.  
 May 4. Bernard Kiernan, Hospital Helper, \$120.  
 May 20. Mary Conklin, Hospital Helper, \$120.  
 May 23. Maria Donnelly, Hospital Helper, \$120.  
 May 23. Annie Marlow, Hospital Helper, \$120.  
 May 27. James Ryan, Hospital Helper, \$120.  
 May 23. Mary Newman, Hospital Helper, \$120.  
 May 23. Margaret McDermott, Hospital Helper, \$120.  
 May 27. Mary Cox, Hospital Helper, \$120.  
 May 27. Tessie Murphy, Hospital Helper, \$120.  
 May 27. Ann Kusick, Hospital Helper, \$120.

May 26. Jennie L. Simms, Hospital Helper, \$240. (Certified by Departmental Board of Examiners May 24, 1902.)  
 May 24. Marie L. Colson, Trained Nurse, \$300. (Certified by Civil Service May 24, 1902.)  
 May 28. Robert Turner, Hospital Helper, \$120.  
 Reported for Duty.  
 May 5. George E. Ferguson, Apothecary, \$600. (Appointed April 21, 1902; certified by Civil Service April 9, 1902.)

Resignations.

May 21. John Daly, Hospital Helper, \$150.  
 May 21. Daniel Hanlon, Hospital Helper, \$120.  
 May 22. Mary Cross, Seamstress, \$204.  
 May 22. Joseph Gates, Hospital Helper, \$120.  
 April 30. Bernard Kiernan, Hospital Helper, \$60.  
 May 3. John Smollen, Hospital Helper, \$120.  
 May 19. Hugh Donoghue, Hospital Helper, \$120.  
 May 20. Mary Gonoud, Hospital Helper, \$120.  
 May 22. Maggie Igo, Hospital Helper, \$120.  
 May 31. Nellie Mack, Hospital Helper, \$240.  
 May 23. Catherine McGee, Hospital Helper, \$120.

Dismissals.

May 20. Timothy W. Saunders, Hospital Helper, \$120, absent without leave.  
 May 23. Edward Pierce, Hospital Helper, \$120, absent without leave.  
 May 22. Margaret O'Connell, Hospital Helper, \$120, absent without leave.  
 May 22. Mary Sinclair, Hospital Helper, \$120, absent without leave.  
 May 24. Jane Patterson, Hospital Helper, \$120, absent without leave.  
 May 27. Edward Flannigan, Hospital Helper, \$120, intoxication.

STEAMBOATS.

Appointments.

May 1. King, John, Hospital Helper, \$150.  
 May 1. Crosby, Henry, Hospital Helper, \$150.  
 May 17. McLellan, James F., Hospital Helper, \$240 (certified by Departmental Board of Examiners, May 23, 1902).  
 May 23. Cummings, Michael, Hospital Helper, \$150.

Promotion.

May 22. Miller, Wm. R., Hospital Helper, from grade of \$150 to grade of \$600 (Certified by Departmental Board of Examiners, May 22, 1902).

Leave Granted.

May 1. McGovern, John, Deckhand, \$160 (for 25 days without pay).

Restored to Roll.

May 26. McGovern, John, Deckhand, \$360.

Dismissals.

May 1. Williams, Frederick, Hospital Helper, \$150, absence without leave.  
 May 1. Connor, George, Hospital Helper, \$150, absence without leave.

BROOKLYN AND QUEENS.

CENTRAL OFFICE.

Appointment.

May 17. Maguire, James P., Hospital Helper, \$360 (certified by Departmental Board of Examiners).

Transfers.

June 1. Doyle, Daniel J., Bookkeeper, \$1,950.  
 June 1. Lamb, Bernard, Chief Clerk, \$2,250.  
 June 1. Monock, John J., Clerk, \$1,200 (to Central Office, Manhattan).

KINGS COUNTY HOSPITAL.

Appointments.

May 20. Crouch, Susie A., Pupil Nurse, \$120.  
 May 27. Stinacker, Mary, Cook, \$240.

Resignation.

May 24. McIntosh, Margaret, Trained Nurse, \$360.

MORGUE.

May 27, 1902.

Description of unknown man from Thirty-seventh street, North river—Age, forty years; height, 5 feet 5 inches; weight, 150 pounds; color, white; eyes, unknown; hair, brown; moustache, sandy; beard, none; clothing: Black diagonal cutaway coat, vest same material; black and gray stripe pants, white muslin shirt with blue and white bosom; no underwear; muslin wound around both feet, black elastic gaiters, pink and white suspenders; had a vaccination certificate from Board of Health with name of Francis Bailey, No. 21,924, Borough of Manhattan; two brass checks marked Guanalen No. 25; condition of body, bad.

May 28, 1902.

Description of unknown man from Willis avenue and Harlem river—Age, forty-five years; height, 6 feet, weight, 160 pounds; color, white; eyes, unknown; hair, none; moustache, none; beard, none; clothing: part of blue overalls, black laced shoes, leather belt around waist; condition of body, bad.

June 7, 1902.

Description of unknown man from One Hundred and Thirtieth street, Harlem river—Age, Twenty years; height, 5 feet 3 inches; weight, 145 pounds; color, white; eyes, unknown; hair, dark brown; moustache, none; beard, none; clothing: no clothing on the body; condition of body, good.

J. McKEE BORDEN, Secretary.

DEPARTMENT OF CORRECTION.

REPORT OF TRANSACTIONS, JUNE 9 TO 14, 1902.

Communications received.

From Commissioners of the Sinking Fund—Secretary transmits copy of resolution adopted at a meeting held on June 4, 1902, to the effect that in leasing property for public purposes authority for such leases must be obtained from the Sinking Fund Commission. On file.

From Penitentiary, Blackwell's Island—

List of prisoners received during week ending June 7, 1902. Males, 14; females, On file.

List of 22 prisoners to be discharged from June 15 to 21, 1902. Transmitted to Prison Association.

From Branch Workhouse, Hart's Island—Reporting recapture of John Murphy, committed for disorderly conduct, who escaped June 5, 1902. On file.

From City Prison—Amount of fines received during the week ending June 7, 1902, \$150. On file.

From Workhouse, Blackwell's Island—Amount of fines received during week ending June 7, 1902, \$33. On file.

From City Cemetery, Hart's Island—List of burials during week ending June 7, 1902. On file.

From District Prisons—Reporting escape and recapture of Margaret Hughes, a prisoner employed as office cleaner at Second District Prison. On file.

From Heads of Institutions—  
 Reporting meats, milk, fish, etc., received during week ending June 7, 1902, agreed with specifications. On file.

Reports of census, labor, punishments for week ending June 7, 1902. On file.

From General Storekeeper—Reporting that order was sent to J. E. Ennis, Contractor, on April 30, 1902, for one cargo broken coal, for Hart's Island, to be delivered at once, but which has not yet been received. Contractor states that he can deliver soft, but not hard, coal. Supply on Island nearly exhausted. Contractor notified that unless coal is delivered within five days it will be purchased in open market, and excess in cost over contract price will be charged to his sureties.

From the Mayor—Requesting that a Trial Balance and Statement be prepared on last day of each month, and transmitted to the Commissioners of Accounts before the fifth day of the succeeding month. Request will be complied with.

From City Prison—Reporting that William Flynn, appointed Keeper to date from June 1, 1902, did not report for duty on that day. On file.

From Department of Public Charities—Asking that repairs may be made to sea wall at southern end of Blackwell's Island. Warden of Penitentiary directed to have repairs made at once.

From Kings County Penitentiary—  
 List of prisoners received during the week ending June 7, 1902. Males, 22; females, 4. On file.

List of thirty-four prisoners to be discharged from June 9 to 14, 1902. On file.

Appointed.

Samuel P. Watson, Resident Physician, Kings County Penitentiary, \$900 per annum.  
 John J. Desmond, Deckhand, steamboats, \$360 per annum.

Resigned.

Alexander Gazzola, Helper, Workhouse, Blackwell's Island.  
 Del Pryor, Orderly, Branch Workhouse, Hart's Island.

Services Dispensed With.

Henry R. Parker, Resident Physician, Kings County Penitentiary.

THOMAS W. HYNES, Commissioner.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

EXPENDITURES FOR MAY, 1902.

Coal and wood.....	\$35,603 14
Lamps and lighting.....	251,611 24
Land.....	11,853 05
Laying mains.....	74,326 62
Miscellaneous supplies.....	12,872 81
Oil.....	62 69
Payroll.....	144,624 72
Rent.....	27 09
Repair pavement.....	1,514 73
Repairs.....	180 20
Taxes.....	8,704 51
Temporary pumping plant.....	3,325 30
Telephone service.....	1,321 05
Transportation.....	1,401 88
Water contracts.....	9,644 67
	<u>\$557,073 70</u>

LIABILITIES FOR MAY, 1902.

Coal and wood.....	\$1,387 30
Lamps and lighting.....	7,470 00
Laying mains.....	5,004 60
Miscellaneous supplies.....	28,389 03
Oil.....	5,370 00
Repair pavement.....	934 35
Repairs.....	4,048 75
Transportation.....	90 00
	<u>\$52,694 03</u>

E. V. BEARDSLEY, General Bookkeeper.

BOROUGH OF RICHMOND.

BUREAU OF BUILDINGS.

I herewith submit a report of the operations of the Bureau of Buildings, Borough of Richmond, for the week ending June 7, 1902:

Plans filed for new buildings.....	4
Estimated cost.....	\$11,400 00
Plans filed for alterations.....	18
Estimated cost.....	7,071 00
Plans filed for plumbing.....	9
Estimated cost.....	1,780 00
Buildings reported as unsafe.....	1
Buildings reported for additional means of escape.....	2
Other violations of law reported.....	1
Unsafe building notices issued.....	1
Fire escape notices issued.....	5
Violation notices issued.....	1

JAMES NOLAN, Chief Clerk.

JOHN SEATON, Superintendent.

BOROUGH OF THE BRONX.

BUREAU OF BUILDINGS.

New York, June 17, 1902.

I herewith submit a report of the operations of the Bureau of Buildings, Borough of The Bronx, for the week ending June 14, 1902.

Plans filed for new buildings.....	29
Estimated cost.....	\$193,375 00
Plans filed for alterations.....	9
Estimated cost.....	\$12,375 00
Unsafe cases filed.....	6
Violation cases filed.....	35
Unsafe notices issued.....	12
Violation notices issued.....	39
Fire escape notices issued.....	7
Violation cases forwarded for prosecution.....	30
Complaints lodged with the Bureau.....	5
Number of pieces of iron and steel inspected.....	56

MICHAEL J. GARVIN,

Superintendent of Buildings, Borough of The Bronx.

JOHN H. HANAN, Chief Clerk.

METEOROLOGICAL OBSERVATORY OF THE DEPARTMENT OF PARKS.

Central Park, The City of New York—Latitude 40 degrees 45 minutes 58 seconds N. Longitude 73 degrees 57 minutes 58 seconds W. Height of Instruments above the Ground, 53 feet; above the Sea, 97 feet.

Abstract of Registers from Self-Recording Instruments for the Week Ending June 21, 1902.

BAROMETER.

Table with columns: DATE, 7 A. M., 2 P. M., 9 P. M., MEAN FOR THE DAY, MAXIMUM, MINIMUM. Rows for Sunday through Saturday.

Mean for the week... 29.745 inches. Maximum at 9 A. M., June 18th... 30.000. Minimum at 1 A. M., June 17th... 29.395. Range... .604.

THERMOMETERS.

Table with columns: DATE, 7 A. M., 2 P. M., 9 P. M., MEAN, MAXIMUM, MINIMUM, MAXIMUM. Includes sub-columns for Dry Bulb, Wet Bulb, and In Sun.

Mean for the week... 69.2 degrees. Maximum at 1 P. M., 16th... 75.0. Minimum at 5 A. M., 18th... 62.6. Range... 12.4.

WIND.

Table with columns: DATE, DIRECTION, VELOCITY IN MILES, FORCE IN POUNDS PER SQUARE FOOT. Includes sub-columns for 7 A. M., 2 P. M., 9 P. M., and Max.

Distance traveled during the week... 965 miles. Maximum force... 11 pounds.

Table with columns: DATE, HYGROMETER, CLOUDS, RAIN AND SNOW, OZONE. Includes sub-columns for Force of Vapor, Relative Humidity, Clear, Overcast, etc.

Total amount of water for the week... 2.70 inches. Duration for the week... 17 hr. 20m.

Table with columns: DATE, 7 A. M., 2 P. M. Rows for Sunday through Saturday with weather descriptions.

DANIEL DRAPER, PH. D., Director.

APPROVED PAPERS.

Whereas, Saturday, July 5, is a half-holiday immediately following Friday, July 4 (the national holiday), and many people are desirous of leaving town on the night of Thursday, July 3, and remaining away until Monday morning; therefore, be it

Resolved, That the heads of the several departments of the City Government be and they are hereby requested to close their respective offices on Saturday, July 5, 1902, and all other offices not by law required to be kept open for public business, to be closed on said day.

Adopted by the Board of Aldermen June 10, 1902, a majority of all the members elected voting in favor thereof.

Approved by the Mayor June 18, 1902.

jlj-3

P. J. SCULLY, Clerk.

LAW DEPARTMENT.

The following schedules form a brief extract of the transactions of the office of the Corporation Counsel, for the week ending June 7, 1902, 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."

Large table with columns: Court, Register and Folio, When Commenced, Title, Nature of Action. Lists various legal cases and proceedings.

	34 195	" 4	Lamano, Antonio.....	Damage to property at No. 262 Fourth ave., by overflow of sewer, \$350.
	34 200	" 4	" .....	Damage to property at No. 262 Fourth ave., by overflow of sewer, \$3,000.
	34 200	" 4	Lamano, James.....	Damage to property at No. 262 Fourth ave., by overflow of sewer, \$85.
	34 201	" 4	Lamona, Rosa.....	Damage to property at No. 262 Fourth ave., by overflow of sewer, \$145.
	34 201	" 4	Loborso, Lui.....	Damage to property at No. 252 Fourth ave., by overflow of sewer, \$1,000.
	34 202	" 4	Lupo, Antonio.....	Damage to property at No. 529 Carroll st., by overflow of sewer, \$1,500.
	34 203	" 4	Marsca, Rachele.....	Damage to property at No. 529 Carroll st., by overflow of sewer, \$100.
	34 203	" 4	Mela, Mike.....	Damage to property at No. 529 Carroll st., by overflow of sewer, \$90.
	34 204	" 4	Mielo, Vincenzo.....	Damage to property at No. 529 Carroll st., by overflow of sewer, \$300.
	34 205	" 4	" .....	Damage to property at No. 521 Carroll st., by overflow of sewer, \$750.50.
	34 205	" 4	Muscarella, Frank.....	Damage to property at No. 252 Fourth ave., by overflow of sewer, \$1,000.
	34 205	" 4	Piccerillo, Frank.....	Damage to property at No. 523 Carroll st., by overflow of sewer, \$200.
	34 206	" 4	Pietaro, Vincenzo.....	Damage to property at No. 570 President st., by overflow of sewer, \$1,000.
	34 206	" 4	Porzio, Gerardo.....	Damage to property at No. 246 Fourth ave., by overflow of sewer, \$1,000.
	34 207	" 4	" .....	Damage to property at No. 248 Fourth ave., by overflow of sewer, \$1,500.
	34 207	" 4	Salvato, Mary.....	Damage to property at No. 500 President st., by overflow of sewer, \$1,000.
	34 208	" 4	Sisto, Joseph.....	Damage to property at No. 525 Carroll st., by overflow of sewer, \$500.
	34 208	" 4	" .....	Damage to property at No. 519 Carroll st., by overflow of sewer, \$500.
	34 209	" 4	Zozzoro, Rosanio.....	Damage to property at No. 200 Fourth ave., by overflow of sewer, \$1,400.
	34 209	" 4	Zozzoro, John.....	Damage to property at No. 208 Fourth ave., by overflow of sewer, \$85.
Supreme	34 189	" 4	Huckies, William.....	Balance on contract for construction of sewer in E. 180th st., \$245.55.
Land Office	34 199	" 4	Warren, William R. (Matter of).....	Application for land under waters of East river.
Supreme	34 191	" 4	Jordan, Patrick, vs. Bernard Haughton et al.....	Personal injuries, fall from wagon on Third ave., caused by depression in street, \$10,000.
"	34 192	" 4	Thompson, Thomas L. (ex rel.), vs. Jacob A. Cantor, Prest.....	Mandamus to compel removal of fruit stand in front of No. 262 W. 146th st.
Supreme, Kings Co.	34 193	" 4	Smith, Bridget A., et al. (ex rel.) vs. Edward M. Grout and ano.....	Mandamus to compel cancellation of taxes. Summons only served.
"	34 194	" 4	Padorani, Joseph.....	" .....
"	34 210	" 5	Lawles, Thomas D. (ex rel.), vs. Charles C. Burlingham, etc.....	Mandamus to compel reinstatement of Eola Lawles as pupil of P. S. 44. Summons only served.
Supreme	34 216	" 6	Hirsch, Jacob, and ano.....	" .....
City	34 212	" 5	Brady, Ellen A., vs. The City and ano.....	Personal injuries, fall on sidewalk in E. 139th st., caused by snow and ice, \$1,985.
Supreme, Kings Co.	34 211	" 5	Maloney, Daniel J. (ex rel.), vs. Henry Newman.....	Mandamus to compel cancellation of tax and tax sale.
Supreme	34 213	" 5	McGeugh, John.....	Balance of salary as Assistant Fire Marshal, \$1,250.
Supreme, Kings Co.	34 214	" 5	Dee, John.....	Personal injuries, fall into sewer basin, Court and Livingston sts., \$5,000.
Supreme	34 215	" 6	O'Meara, Hubert (ex rel.), vs. George Cromwell.....	Mandamus to compel reinstatement as Janitor, Village Hall, S. I.
"	34 227	" 6	Abrams, George.....	Summons only served.
"	34 224	" 6	Cumford, John.....	Summons only served.
"	34 225	" 6	Doran, David J.....	Summons only served.
"	34 226	" 6	Dugan, Patrick.....	Summons only served.
"	34 226	" 6	Evans, John P.....	Summons only served.
"	34 227	" 6	Fagan, William.....	Summons only served.
"	34 228	" 6	Gorman, Patrick.....	Summons only served.
"	34 230	" 6	Hendrickson, Thomas.....	Summons only served.
"	34 231	" 6	Kold, George.....	Summons only served.
"	34 231	" 6	Laffan, John.....	Summons only served.
"	34 233	" 6	Mullane, Sarah, etc.....	Summons only served.
"	34 234	" 6	Mitzyger, Louis.....	Summons only served.
"	34 235	" 6	McIntock, George.....	Summons only served.
"	34 236	" 6	Rohrig, Edward.....	Summons only served.
"	34 236	" 6	Sheffer, Anthony.....	Summons only served.
"	34 237	" 6	Stumpf, George.....	Summons only served.
"	34 237	" 6	Shepard, Daniel.....	Summons only served.
"	34 239	" 6	Wirth, Henry.....	Summons only served.
"	34 240	" 6	Winchell, John H.....	Summons only served.
"	34 241	" 6	Hoyt, Samuel N., vs. John Adamson et al.....	To foreclose mortgage on premises cor. 23d st. and Lexington ave.
"	34 219	" 6	Mott Iron Works, The I. L., vs. The City et al.....	To foreclose lien on contract for constructing 40th Precinct Station-house.
Supreme, Kings Co.	34 217	" 6	Hoye, Stephen M., vs. The City of New York.....	Damage to property Clove road, cor. Malbone st., by change of grade, \$4,000.
Supreme	34 221	" 6	McDonough, Francis F. (ex rel.), vs. Michael J. Garvin.....	Certiorari to review dismissal as Inspector of Buildings.

"SUSPENSION" ACTIONS.

Register and Folio.	When Com-menced.	Title.	Nature of Action.
34 220	June 6	Fitzpatrick, Phillip.....	Guard, Kings Co. Penitentiary, \$231.52.
34 218	" 6	Grau, Christian.....	Sweeper, Dept. Street Cleaning, \$12.
34 223	" 6	Alf, John.....	Laborer, Highway Dept., \$40.
34 223	" 6	Britto, David.....	Laborer, Highway Dept., \$40.
34 224	" 6	Callahan, Miles.....	Laborer, Highway Dept., \$40.
34 225	" 6	Charlin, Joseph A.....	Asst. Foreman, Highway Dept., \$170.
34 241	" 6	De La Montaigne, George.....	Asst. Foreman, Highway Dept., \$150.
34 228	" 6	Farrell, Thomas.....	Asst. Foreman, Highway Dept., \$150.
34 227	" 6	Falk, John.....	Laborer, Highway Dept., \$40.
34 229	" 6	Goetz, Jacob.....	Engineer, Highway Dept., \$70.
34 230	" 6	Hanus, John.....	Foreman, Highway Dept., \$98.
34 234	" 6	Monahan, John H.....	Foreman, Highway Dept., \$217.
34 232	" 6	Mand, Louis.....	Foreman, Highway Dept., \$108.50.
34 233	" 6	Merritt, James M.....	Carpenter, Highway Dept., \$350.
34 232	" 6	McNeil, John E.....	Carpenter, Highway Dept., \$60.
34 238	" 6	Nairs, George H.....	Painter, Highway Dept., \$70.
34 238	" 6	Stoffekam, Augustus.....	Asst. Foreman, Highway Dept., \$487.50.
34 238	" 6	Fallon, John H.....	Blacksmith's Helper, Highway Dept., \$108.
34 238	" 6	Van Horn, George A.....	Engineer, Highway Dept., \$70.
34 239	" 6	Westervelt, Abraham N.....	Laborer, Highway Dept., \$40.

SCHEDULE "B."

JUDGMENTS, ORDERS AND DECREES ENTERED.

William E. Dean vs. The Mayor, etc.—Entered order amending judgment roll by substituting amended answer for original answer.  
 People ex rel. H. B. Claffin Company vs. Tax Commissioners, taxes of 1901—Order entered reducing assessment to \$850,000.  
 In the matter of the application of Thomas S. Bassford—Order entered affirming order appealed from with \$10 costs and disbursements against the petitioner.  
 Re E. Machervin; re E. Sassi; re J. Duvorak; re C. Irving; re A. Gettinger; re A. Rabel (change of grade claims)—Orders entered dismissing complaints.  
 People ex rel. Alfredrick S. Hatch vs. William McFadden, etc.—Order entered granting peremptory writ of mandamus.  
 George G. Leonard—Order entered granting motion for preference.  
 Bernard Reynolds; Thomas A. Sheerin—Orders entered preferring causes over June issues.  
 The City of New York vs. Robert Hunter and another—Order entered discontinuing the action without costs.

People ex rel. Bunn J. Van Cott vs. Edward M. Grout, Comptroller—Order entered discontinuing proceeding without costs.  
 People ex rel. Michael Goman vs. Gustav Lindenthal—Entered order denying motion for writ of mandamus with \$10 costs.  
 Caroline P. Haines—Entered order discontinuing action without costs.  
 People ex rel. Martin Smith vs. John M. Woodbury; People ex rel. Michael H. Leach vs. Same; People ex rel. Timothy J. Coughlin vs. W. L. Ogden et al.; People ex rel. Timothy J. Coughlin vs. Thomas L. Sturgis, etc.—Orders entered denying motions for writs of mandamus with \$10 costs.  
 People ex rel. Catherine F. Mahon vs. Board of Education—Entered order on remittitur from Court of Appeals affirming order appealed from without costs.  
 People ex rel. George Steinson vs. Thomas L. Hamilton, etc.—Entered order resetting order of April 8, 1902, by staying relator until costs are taxed.  
 William S. Wynn—Entered order discontinuing action without costs.  
 Julius Bjurstrom—Entered order vacating judgment with \$10 costs.  
 People ex rel. James Regan vs. B. J. York et al.—Order entered directing that respondents make a further return.  
 People ex rel. James A. Deering vs. William McFadden—Order entered granting peremptory writ of mandamus.  
 Charles A. Matthews, an infant, etc.—Order entered denying motion for new trial and granting plaintiff an extra allowance of five per cent.  
 People ex rel. John Meade vs. James Kane, etc.—Entered judgment on Appellate Division order quashing writ of certiorari and for \$54.80 costs.  
 People ex rel. Frank E. Bliss vs. T. L. Feitner et al.—Entered judgment on Appellate Division order reversing order appealed from and denying motion for mandamus with \$92.80 costs.  
 People ex rel. Martha H. Andrews vs. T. L. Feitner et al.; People ex rel. Oscar F. Zolikoff vs. Same; People ex rel. Emily A. Zolikoff vs. Same; People ex rel. Isaac J. Greenwood vs. Same; Electric Storage Battery Company—Orders entered granting motion for preference.  
 Matter of Fort George Park—Order entered confirming report of Commissioners as to Parcel 17.  
 John Gallagher vs. James P. Keating et al.—Entered order on remittitur from Court of Appeals.  
 People ex rel. Bridget A. Smith, et al. vs. Edward M. Grout, Comptroller, etc.—Order entered granting peremptory writ of mandamus.  
 John C. Schaeffer—Entered order changing venue from Kings to New York County.  
 People ex rel. Peter Hughes vs. Board of Health, etc.—Order entered allowing alternative writ of mandamus.  
 People ex rel. Daniel J. Maloney vs. Newman, etc.—Order entered granting peremptory writ of mandamus.  
 Mathias Durnagh—Order entered retaxing costs.  
 Jane Turnbull; Andrew Turnbull—Appellate Division orders of affirmance entered.

Judgments were Entered in Favor of the Plaintiffs in the Following Actions:

Date.	Name.	Register and Folio.	Amount.
1902.			
June 4.	Kuster, Charles A.....	45 347	\$185 35
June 4.	Becker, Jennie T. B.....	10 218	22,126 41
June 5.	Soulleyer, Engine.....	22 89	134 18
June 5.	Calman, Emil, et al.....	25 152	51 13
June 5.	Donnellon, Mary E.....	11 431	1,033 99
June 3.	O'Hanlon, Philip F.....	29 193	1,085 72
June 6.	Fulgraff, Alice A.....	22 133	250 00
June 5.	Earle, George W.....	23 53	900 00
June 4.	McGinnis, Peter J.....	32 59	800 97
June 4.	Fallon, Louisa.....	B.	440 21
June 6.	Matthews, Charles A., an infant, etc.....	31 78	1,782 25

SCHEDULE "C."

COURT WORK—ACTIONS TRIED, APPEALS AND MOTIONS ARGUED, REFERENCES, HEARINGS, ETC.  
 Hannah Brotzky—Tried before Betts, J., and a jury; verdict in favor of the City; H. S. Rankine for the City.  
 People ex rel. Philip F. Smith vs. William R. Wilcox, etc.—Motion for mandamus submitted to Blanchard, J.; decision reserved; W. B. Crowell for the City.  
 William H. Fennell—Tried before Nash, J.; decision reserved; C. A. O'Neil for the City.  
 People ex rel. Long Island Railroad Company vs. T. L. Feitner et al.—Reference proceeded and adjourned; G. S. Coleman for the City.  
 Mary Elizabeth Donellon—Tried before Giegerich, J., and a jury; verdict for the plaintiff for \$900; C. Mellen for the City.  
 People ex rel. Sarah Segal vs. Jacob A. Cantor et al.—Motion for mandamus submitted to Blanchard, J.; decision reserved; G. Landon for the City.  
 Frederick Thilemann, Jr., and another vs. The Mayor, etc.—Tried before Nash, J., and a jury; plaintiff allowed to withdraw a juror; C. Mellen for the City.  
 People ex rel. George Steinson vs. Thomas L. Hamilton, etc.—Motion to strike appeal from calendar argued at Appellate Division; decision reserved; J. H. Greener for the City.  
 People ex rel. George Steinson vs. Thomas L. Hamilton, etc.—Motion to resettle order of April 8, 1902, made before Leventritt, J.; motion granted; J. H. Greener for the City.  
 Frederick Thilemann, Jr., vs. The Mayor, etc.—Motion to resettle Appellate Division order argued at Appellate Division; decision reserved; J. H. Greener for the City.  
 Matter of Seward Park (Re Rosenberg)—Motion to confirm Referee's report submitted to Appellate Division; decision reserved; J. H. Greener for the City.  
 People ex rel. John Schumm vs. Gustav Lindenthal—Argued at Appellate Division; decision reserved; T. Connolly for the City.  
 People ex rel. John J. Shaughnessy vs. Charles V. Fornes, etc.—Argued at Appellate Division; decision reserved; W. B. Crowell for the City.  
 Thomas McNamara vs. William R. Wilcox et al.—Argued at Appellate Division; decision reserved; T. Connolly for the City.  
 People ex rel. John J. O'Sullivan vs. Ernst J. Lederle, etc.—Argued at Appellate Division; decision reserved; T. Connolly for the City.  
 Pierce Ryan—Demurrer argued before O'Gorman, J.; E. J. McGuire for the City.  
 S. Walton Mooney—Tried before Mattice J., and a jury; verdict for the plaintiff for \$200; P. E. Callahan for the City.  
 People ex rel. Bridget A. Smith, et al., vs. Edward M. Grout, Comptroller—Motion for peremptory writ of mandamus made before Gaynor, J.; motion granted; S. K. Probasco for the City.  
 People ex rel. David Havron vs. William Dalton, etc.—Argued at Appellate Division; decision reserved; J. McKeen for the City.  
 Louisa Fallon—Tried before Maddox, J., and a jury; verdict for the plaintiff; J. W. Coombs for the City.  
 Max Levy—Motion to place case on calendar made before Gaynor, J.; motion granted; S. K. Probasco for the City.  
 Mathias Durnagh—Motion to retax costs made before Gaynor, J.; motion granted; S. K. Probasco for the City.  
 People ex rel. Thomas D. Lawless vs. Board of Education—Motion for peremptory writ of mandamus argued before Gaynor, J.; decision reserved; W. S. Brewster for the City.  
 People ex rel. Daniel J. Maloney vs. Newman et al.—Motion for peremptory writ of mandamus made before Gaynor, J.; motion granted; S. K. Probasco for the City.  
 People ex rel. Michael O'Keefe vs. William McFadden, etc.—Submitted at Appellate Division; decision reserved; J. McKeen for the City.

In re New York Central and Hudson River Railroad Company (Vanderbilt avenue regulating, etc.)—Argued at United States Supreme Court; decision reserved; G. L. Sterling for the City.

**Hearings Before Commissioners of Estimate in Condemnation Proceedings.**

Bloomfield and Little West Twelfth Street Dock site, four hearings; Thirteenth and Fourteenth streets, North River Dock site, one hearing; Fourteenth and Fifteenth streets, North River Dock site, one hearing; Sixteenth to Eighteenth streets, North River Dock site, one hearing; Nineteenth and Twentieth streets, dock site, one hearing; Eighteenth to Twentieth streets, East River Dock site, one hearing; Twentieth and Twenty-first streets, East River Dock site, one hearing; Twenty-first and Twenty-second streets, East River Dock site, one hearing; Manhattan approach to New East River Bridge No. 2, two hearings; C. D. Olendorf for the City.

Manhattan approach to New East River Bridge No. 4, one hearing; Brooklyn approach to New East River Bridge No. 3, one hearing; Brooklyn approach to New East River Bridge No. 2, two hearings; Rapid Transit site (Broadway, One Hundred and Twenty-second to One Hundred and Thirty-fifth street), two hearings; C. N. Harris for the City.

Queens anchorage to New East River Bridge, No. 4, four hearings; J. G. Malone 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.
Bellevue and Allied Hospitals.....	11	..	1
Bridges .....	1	..	..
Parks .....	13	..	7
Educational .....	22	..	1
Charities .....	1	..	1
Health .....	1	..	1
Fire .....	1	..	1
Street Cleaning .....	1	1	1
Highways, Queens .....	1	..	..
Public Works, Brooklyn.....	1	..	2
Public Works, Richmond.....	1	..	1
Docks .....	..	..	2
	<u>54</u>	<u>1</u>	<u>18</u>

**Bonds Approved as to Form.**

Comptroller .....	7
Water Supply, Gas and Electricity.....	1
	<u>8</u>

**SCHEDULE "E."**

OPINIONS RENDERED TO THE VARIOUS DEPARTMENTS.

Department.	Number of Opinions.	Department.	Number of Opinions.
Comptroller .....	25	Board of Estimate and Apportionment	1
Parks .....	1	Docks .....	1
Health .....	1	Civil Service .....	1
Street Cleaning .....	2	Fire .....	1
Taxes and Assessments.....	1	Water Supply, Gas and Electricity...	11
Police .....	1		
			<u>46</u>

G. L. RIVES, Corporation Counsel.

**POLICE DEPARTMENT.**

New York, June 17, 1902.

The following proceedings were this day directed by the Police Commissioner:

On reading and filing reports of Inspector Brooks.  
Ordered, That honorable mention be and is hereby made in the records of the Department of the meritorious conduct of Patrolman Louis W. Rochester, Sixth Precinct, for extraordinary good judgment in arresting Michael Anticome June 1, 1902, on the complaint of Pietro Cenomo, charged with shooting him in the right chest in front of No. 56 Mulberry street, and for arresting Joseph Deluci May 20, 1902, on the complaint of Michael Sylvester, charged with firing a shot at him from a 38-calibre revolver in front of No. 118 Mulberry street.

Ordered, That honorable mention be and is hereby made in the records of the Department of Patrolman Benjamin F. Siebelt, Eightieth Precinct, for bravery in attempting to stop a team of runaway horses attached to a fire truck April 15, 1902, on Water street, Stapleton, Borough of Richmond.

Ordered, That honorable mention be and is hereby made in the records of the Department of Patrolman John Kiernan, Sixteenth Precinct, for bravery in stopping a runaway team of horses attached to a coach at Sixtieth street and First avenue March 25, 1902.

On reading and filing report of Acting Janitor Timothy Hanlon.

Ordered, That the following worthless property be condemned and sold by the Property Clerk: Lot of old iron, lot of old United States flags, lot of old gas fixtures, lot of old police manuals, lot of old police annual reports, lot of old police supplementary reports.

**Concert Licenses Granted.**

Edgar L. Morrison, Rockaway Beach, June 12 to September 12, \$150.

John Kelle, No. 269 Prospect avenue, Borough of Brooklyn, June 16 to September 16, \$150.

**Runner License Granted.**

Salvatore Mammone, No. 144 Cherry street, fee \$20, bond \$300.

**Concert License Denied.**

Joseph Avallone, No. 515 East One Hundred and Forty-ninth street.

**Leave of Absence Granted.**

Patrolman James G. Reynolds, Forty-sixth Precinct, 100 days without pay, release to be signed.

**Special Patrolman Appointed.**

George W. Huttelmaier for Phil. Noll.

Ordered, That the following named persons be and are hereby appointed Patrolmen in the Police Department of The City of New York, their term of probation having expired:

Frank J. Allen,  
Joseph W. Owens,  
George Ohly,  
Stephen W. O'Brien,  
William F. J. Pierce,  
William H. Roy,  
Frank Sullivan,  
Charles Schultze,  
George P. Smith,  
Patrick A. Traynor,  
Joseph H. Veitch,  
James A. Watson,  
Alfred W. Zucker,  
John W. Burberg,  
Cornelius J. Cahill,  
Francis A. Canfield,  
Patrick J. Curran,  
Thomas J. Coyne,

Dennis F. Dunn,  
Henry Eckherdt,  
Jerome A. Foley,  
Michael Fitzpatrick,  
George Farrell,  
George W. Hamilton,  
Theodore D. Hess,  
Elmo C. Hoagland,  
Sydney E. Hutchins,  
James W. J. Hughes,  
Frederick Kessler,  
John J. Manning,  
George F. Meadows,  
John F. Murphy,  
Joseph L. McGinniss,  
Martin McGrath,  
Thomas McGorry,  
John M. Noon.

Ordered, That the following persons, whose names appear on eligible list of the Municipal Civil Service Commission, be and are hereby employed on probation as Patrolmen:

Charles Bramm,  
Charles O. Bowen,  
Coles Carpenter,  
James J. Shortell,  
John S. Meadows,

William H. Rooney,  
Joseph Smyth, Jr.,  
Thomas Quinn,  
John C. Uminger,  
Thomas J. Larkin,

The following named persons declined appointment as Patrolmen:  
Florence Donoghue,  
Philip M. Betz,

Charles B. Martin,  
Edward J. Slingerland.

Referred to Corporation Counsel.

Summons and writ of attachment directing Sheriff of Kings County to attach certain sum of money taken from Carl Reich and now in custody of Property Clerk in Borough of Brooklyn.

Chief Clerk to Answer.

F. Maus, Lion Palace, certifying to the desire of Michael McDonald to become a Special Patrolman.

Transfers, etc., Ordered by the Commissioner.

June 16, a. m.

Patrolman George W. Reid, Nineteenth Precinct, detailed at Simpson-Crawford Company's store.

June 17, a. m.

Sergeant Raphael Schulam, from Ninth Precinct to Twelfth Precinct.  
Sergeant Charles B. McManus, from Twelfth Precinct to Sixth Precinct.  
By order of the Commissioner.

WM. H. KIPP, Chief Clerk

**BOROUGH OF MANHATTAN.**

COMMISSIONER OF PUBLIC WORKS.

New York, June 21, 1902.

In accordance with the provisions of section 1546, chapter 466 of the Laws of 1901, I transmit the following report of the transactions of the offices of the Commissioner of Public Works, President of the Borough of Manhattan, for the week ending June 18, 1902.

GEORGE LIVINGSTON, Commissioner of Public Works.

Approved:

JACOB A. CANTOR, President Borough of Manhattan.

**Public Moneys Received During the Week.**

For restoring and repaving pavement, water connections, openings, sewer connections, openings, general account.....	\$2,268 85
For redemption of obstructions seized.....	37 00
For vault permits.....	11,809 47
For shed permits.....	40 00
For sewer connections.....	154 50
Total .....	<u>\$14,309 82</u>

**Permits Issued.**

Permits to place building material on streets.....	85
Permits to construct street vaults.....	92
Permits, special .....	7
Permits to construct sheds.....	8
Permits to cross sidewalks.....	11
Permits for subways, steam mains and various connections.....	206
Permits for railway construction and repairs.....	1
Permits to repair sidewalks.....	44
Permits for sewer connections.....	12
Permits for sewer repairs.....	23
Total.....	<u>489</u>

**Obstructions Removed.**

Obstructions removed from various streets and avenues.....	<u>48</u>
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**Repairs to Pavements.**

Square yards of pavement repaired.....	<u>9,300</u>
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**Repairs to Sewers.**

Linear feet of sewer built.....	415
Linear feet of sewer cleaned.....	7,758
Linear feet of sewer examined.....	10,982
Basins cleaned.....	229
Basins examined.....	<u>726</u>

Requisition drawn on Comptroller..... \$110,171 55

**Statement of Laboring Force Employed During the Week Ending June 14, 1902.**

	Mechanics.	Laborers.	Teams.	Carts.	Bath Attendants.	Cleaners.
Repaving and renewal of pavements.....	258	269	4	96	..	..
Boulevards, roads and avenues (maintenance of).....	6	106	26	8	..	..
Roads, streets and avenues.....	..	36	13	3	..	..
Sewers, maintenance, cleaning, etc.....	11	80	11	39	..	3
Cleaning public buildings, baths, etc.....	94	42	..	23	31	235
Total.....	<u>369</u>	<u>533</u>	<u>54</u>	<u>169</u>	<u>31</u>	<u>238</u>

**Changes in Working Force Week Ending June 14, 1902.**

One Laborer, increased from \$2 to \$2.50 per day; 1 Cleaner, increased from \$2 to \$2.50 per day; 1 Laborer, increased from \$11 to \$12 per week; 1 Laborer, reinstated; 1 Clerk, reinstated; 1 Basin Foreman, removed; 1 Assistant Foreman reinstated; 46 Bath Attendants, appointed (male); 34 Bath Attendants, appointed (female); 2 Cartmen, removed; 3 Cartmen, reinstated; 6 Cartmen, appointed.

CHANGES IN DEPARTMENTS.

LAW DEPARTMENT.

June 30. Appointed, Miss Anna E. Lamb, of No. 466 West Twenty-fourth street, New York City, a Stenographer and Typewriter in this department at an annual salary of \$900, to take effect on the 1st day of July, 1902.

DEPARTMENT OF PARKS.

June 28. James Ovens, No. 1433, Washington avenue, has been appointed Inspector in this Department at a compensation at the rate of \$100 per month, to take effect July 1.

TENEMENT HOUSE DEPARTMENT OF THE CITY OF NEW YORK.

June 28. Appointment to the service of the Tenement House Department: Kate H. Claghorn, No. 81 Columbia Heights, Brooklyn, N. Y., Assistant Registrar of Records, at a salary of \$1,950 per annum in this department, to take effect July 1, 1902.

DEPARTMENT OF DOCKS AND FERRIES.

June 27. The compensation of Daniel Keogh, Laborer, has been fixed at the rate of \$15 per week. The Commissioner of Docks consents to the transfer of Morris Kraus, Laborer in this Department, to the President of the Borough of Manhattan. John Gorman, Flagger, has this day been discharged from the service of this Department.

FIRE DEPARTMENT CITY OF NEW YORK.

June 30. Boroughs Manhattan and The Bronx. Retired from all service on account of permanent physical disability from June 16, 1902: Engineer of Steamer Patrick J. Donovan, Engine Company No. 2, on \$800 per annum. Fireman First Grade Richard A. Kenahan, Engine Company No. 27, on \$466.66 per annum. Fireman First Grade William H. Lorenze Engine Company No. 68, on \$700 per annum. Fireman Second Grade Charles T. Budd, Engine Company No. 27, on \$400 per annum. Fireman First Grade George H. Grabe, Engine Company No. 52, from June 25, 1902 on \$700 per annum. Discharged on Account of Incompetency. Blacksmith James J. Farrell, Repair Shops, from June 21, 1902. Appointed as Inspector of Buildings at \$1,500 Per Annum, from July 1, 1902. Herbert W. Billard Headquarters. Reinstated after rehearing, as authorized by Chapter 354 of the Laws of 1902, of the charges upon which he was dismissed September 18, 1901: Engineer of Steamer Alfred J. Stuart, at \$1,600 per annum, from June 25, 1902, assigned to Eng. Co. 17. Appointed as Fourth Grade Firemen at \$800 per annum from June 10, 1902: Probationary Fireman William J. Browne, to Eng. Co. 12. Probationary Fireman Edward J. Rissi, to Eng. Co. 33. Probationary Fireman Jacob J. Hensle, to Eng. Co. 18. Probationary Fireman Frederick Larkin, to Eng. Co. 26. Probationary Fireman John E. Jones, to Eng. Co. 31. Probationary Fireman John J. Coakley, to H. and L. Co. 6. Probationary Fireman James R. McEvoy, to H. and L. Co. 3. Probationary Fireman Charles S. Donohue, to Eng. Co. 24. Probationary Fireman Joseph S. Fitzgerald, to H. and L. Co. 20. Probationary Fireman John Armstrong, to H. and L. Co. 18. Probationary Fireman William S. Hade, to H. and L. Co. 3. Probationary Fireman Bernard Brockwehl, to Eng. Co. 20. Probationary Fireman John Reilly, to Eng. Co. 24. Probationary Fireman Florence O'Donohue, to Eng. Co. 29. Probationary Fireman John Roxby, to Eng. Co. 1. Probationary Fireman Charles Reilly, to Eng. Co. 13. Probationary Fireman John J. Tate, to Eng. Co. 31. Probationary Fireman William J. Hussey, from June 24, 1902, to Eng. Co. 13. BOROUGHS BROOKLYN AND QUEENS. Discharged for continuous absence without leave for five days: Engineer of Steamer John H. Hannivan, Eng. Co. 126, from June 9, 1902. Retired from all duty, on own application after twenty years' service:

Foreman William Harris, Eng. Co. 157, on \$1,080 per annum from June 16, 1902. Fireman First Grade John Dowd, H. and L. Co. 67, on \$700 per annum from June 18, 1902. Retired from all service on account of permanent physical disability: Engineer of Steamer Thomas F. Gray, Eng. Co. 127, on \$800 per annum from June 16, 1902. Appointed as Fourth Grade Firemen at \$800 per annum from June 10, 1902: Probationary Fireman John H. Witte, to H. and L. Co. 53. Probationary Fireman Charles A. Petersen, to Eng. Co. 104. Probationary Fireman Simeon J. Corper, to H. and L. Co. 52. Probationary Fireman Charles L. Meadows, to Eng. Co. 115. Probationary Fireman Leslie Higgins, to Eng. Co. 119. Probationary Fireman Edward J. Donlon, to H. and L. Co. 65. Probationary Fireman Ambrose J. Rowers, to Eng. Co. 114. Probationary Fireman John H. Schneider, to Eng. Co. 104. Probationary Fireman Michael J. O'Toole, to H. and L. Co. 55. Probationary Fireman Francis J. Gallagher, to Eng. Co. 103. Probationary Fireman Francis V. A. Maher, to H. and L. Co. 60. Probationary Fireman John F. Dunn, to Eng. Co. 131. Probationary Fireman Frederick Seibel, to Eng. Co. 117. Probationary Fireman August Brigoli, to Eng. Co. 153.

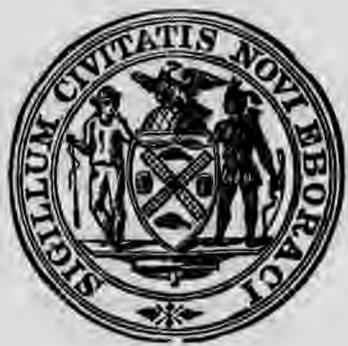


TABLE OF CONTENTS.

Table with 2 columns: Item and Page. Includes sections like Alderman, Board of; Approved Papers; Assessors, Board of; Board meetings, notices of; Brooklyn, Borough of; Change of Grade Commission; City Record; Correction, Department of; Docks and Ferries, Department of; Education, Board of; Estimate and Apportionment, Board of; Finance, Department of; Fire Department; Health, Department of; Law Department; Manhattan, Borough of; Municipal Civil Service Commission; Official Directory; Parks, Department of; Public Charities, Department of; Police, Department of; Queens, Borough of; Richmond, Borough of; Street Cleaning, Department of; Supreme Court; Tenement-house Department; The Bronx, Borough of; Water Supply, Gas and Electricity, Department of.

OFFICIAL DIRECTORY.

CITY OFFICERS.

STATEMENT OF THE HOURS DURING which the Public Offices in the City are open for business, and at which the Courts regularly open and adjourn, as well as of the places where such offices are kept and such Courts are held, together with the heads of Departments and Courts:

EXECUTIVE DEPARTMENT.

Mayor's Office. No. 3 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. Telephone 1929 Cortlandt. SETH LOW, Mayor. JAMES B. REYNOLDS, Secretary. WILLIAM J. MORAN, Assistant Secretary. JOHN GREENBERG, Chief Clerk.

Bureau of Licenses.

9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. Telephone, 706 Cortlandt. GEORGE W. WATFIELD BROWN, Jr., Chief of Bureau. Principal Office, Room 1, City Hall. OSWALD CAREY, Deputy Chief, Boroughs of Manhattan and The Bronx. Branch Office, Room 12, Borough Hall, Brooklyn; JOSEPH MCGUINNESS, Deputy Chief, Borough of Brooklyn. Branch Office, "Richmond Building," New Brighton, S. I.; WILLIAM R. WORLEK, Financial Clerk, Borough of Richmond. Branch Office, "Hackett Building," Long Island City; CHARLES H. SMITH, Financial Clerk, Borough of Queens.

THE CITY RECORD OFFICE.

and Bureau of Printing, Stationery and Blank Books. No. 2 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. Telephone 467 Cortlandt. PHILIP COWEN, Supervisor; HENRY McMILLEN, Deputy Supervisor; THOMAS C. COWELL, Deputy and Accountant.

CITY CLERK AND CLERK OF THE BOARD OF ALDERMEN.

City Hall, Rooms 11-12, 10 A. M. to 4 P. M.; Saturdays, 10 A. M. to 12 M. Telephone 5365 Cortlandt. P. J. SCULLY, City Clerk and Clerk of the Board of Aldermen. NICHOLAS J. HAYES, First Deputy City Clerk. MICHAEL F. BLAKE, Chief Clerk of the Board of Aldermen. JOSEPH V. SCULLY, Deputy City Clerk, Borough of Brooklyn. THOMAS J. MCCABE, Deputy City Clerk, Borough of The Bronx. WILLIAM R. ZIMMERMAN, Deputy City Clerk, Borough of Queens. MICHAEL J. COLLINS, Deputy City Clerk, Borough of Richmond.

BOARD OF ALDERMEN.

No. 11 City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. Telephone 30 Cortlandt. CHARLES V. FOSBER, President. P. J. SCULLY, City Clerk.

DEPARTMENT OF FINANCE.

Stewart Building, Chambers street and Broadway, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 noon. EDWARD M. GROUT, Comptroller. N. TAYLOR PHILLIPS and JAMES W. STEVENSON, Deputy Comptrollers. HUBERT L. SMITH, Assistant Deputy Comptroller. OLIVER E. STANTON, Secretary to Comptroller.

Main Division.

H. J. STORES, Chief Clerk, Room 11.

Bookkeeping and Awards Division.

JOSEPH HAAG, Chief Bookkeeper, Room 2.

Stock and Bond Division.

JAMES J. SULLIVAN, Chief Stock and Bond Clerk, Room 39.

Bureau of Audit—Main Division.

WILLIAM MCKINNEY, Chief Auditor of Accounts, Room 27.

Adjustment Division.

WILLIAM J. LYON, Auditor of Accounts, Room 183.

Investigating Division.

CHARLES S. HERVEY, Expert Accountant, Room 173.

Charitable Institutions Division.

DANIEL C. POTTER, Chief Examiner of Accounts of Institutions, Room 40.

Bureau of the City Paymaster.

No. 83 Chambers street and No. 65 Reade street. JOHN H. TIMMERMAN, City Paymaster.

Bureau of Engineering.

Stewart Building, Chambers street and Broadway. EUGENE E. McLEAN, Chief Engineer, Room 55.

Bureau for the Collection of Taxes.

Borough of Manhattan—Stewart Building, Room 9. DAVID E. AUSTEN, Receiver of Taxes. JOHN J. McDONOUGH, Deputy Receiver of Taxes. Borough of The Bronx—Municipal Building, Third and Tremont avenues. JOHN B. UNDERHILL, Deputy Receiver of Taxes. Borough of Brooklyn—Municipal Building, Rooms 2-8. JACOB S. VAN WYCK, Deputy Receiver of Taxes. Borough of Queens—Hackett Building, Jackson avenue and Fifth street, Long Island City. FREDERICK W. BLACKWELL, Deputy Receiver of Taxes. Borough of Richmond—Richmond Building, New Brighton. JOHN DAMORGAN, Deputy Receiver of Taxes.

Bureau for the Collection of Assessments and Arrears.

Borough of Manhattan—Stewart Building, Room 81. WILLIAM E. McFADDER, Collector of Assessments and Arrears. EDWARD A. SLATTERY, Deputy Collector of Assessments and Arrears. Borough of The Bronx—Municipal Building, Rooms 1-3. JAMES J. DONOVAN, Jr., Deputy Collector of Assessments and Arrears. Borough of Brooklyn—Municipal Building, HENRY NEWMAN, Deputy Collector of Assessments and Arrears. Borough of Queens—Hackett Building, Jackson avenue and Fifth street, Long Island City. PATRICK E. LEARY, Deputy Collector of Assessments and Arrears. Borough of Richmond—No. 373 Richmond terrace, New Brighton. GEORGE BRAND, Deputy Collector of Assessments and Arrears.

Bureau for the Collection of City Revenue and of Markets.

Stewart Building, Chambers street and Broadway, Room 130.

and Superintendent of Markets. JAMES H. BALDWIN, Deputy Collector of City Revenue. DAVID O'BRIEN, Deputy Superintendent of Markets. Bureau of Municipal Accounts and Statistics. Stewart Building, Chambers Street and Broadway. JOHN R. SPARROW, Supervising Accountant and Statistician, Room 173. Bureau of the City Chamberlain. Stewart Building, Chambers street and Broadway, Rooms 61 to 67; and Kings County Courthouse, Room 14, Borough of Brooklyn. ELGIN R. L. GOULD, City Chamberlain. JOHN H. CAMPBELL, Deputy Chamberlain.

LAW DEPARTMENT.

Office of Corporation Counsel. Staats-Zeitung Building, 2d, 3d and 4th floors, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 1 P. M. Telephone 5366 Cortlandt. GEORGE L. RIVES, Corporation Counsel. FRANK N. APPLEGATE, Secretary. THEODORE CONNOLLY, CHARLES D. OLENDORF, GEORGE L. STERLING, EDWARD J. MCGUIRE, JAMES M. WARD, GEORGE S. COLEMAN, CHARLES N. HARRIS, JOHN C. CLARK, CHARLES S. WHITMAN, CHASE MELLIN, JOHN CARRAN WAIT, EDWIN J. FREEDMAN, JOHN W. HUTCHINSON, JR.; OLIVER C. SEMPLE, TERENCE FARLEY, JAMES T. MALONE, CHARLES A. O'NEIL, GEORGE LANDON, ARTHUR SWEENEY, HAROLD S. RANKINE, DAVID RUMERY, WILLIAM BEERS CREWELL, JOHN L. O'BRIEN, Assistants. JAMES MCKEEN, Assistant, in charge of Brooklyn branch office. GEORGE E. BLACKWELL, Assistant, in charge of Queens branch office. DOUGLAS MATHEWSON, Assistant, in charge of Bronx branch office. ALBERT E. MADLOCK, Assistant, in charge of Richmond branch office. ANDREW T. CAMPBELL, Chief Clerk.

Bureau for Collection Arrears of Personal Taxes.

No. 280 Broadway (Stewart Building). Office hours for the public, 10 A. M. to 3 P. M.; Saturdays, 10 A. M. to 12 M. MARTIN SARR, Assistant, in charge.

Bureau for the Recovery of Penalties.

Nos. 219 and 121 Nassau street, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 1 P. M. ARTHUR F. COSY, Assistant, in charge.

Bureau of Street Openings.

Nos. 90 and 92 West Broadway, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 1 P. M. JOHN P. DUNN, Assistant, in charge.

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115, Stewart Building, 9 A. M. to 4 P. M. Telephone 4313 Franklin. WILLIAM HEBURN RUSSELL and EDWARD OWEN, Commissioners.

COMMISSIONERS OF SINKING FUND.

SETH LOW, Mayor, Chairman; EDWARD M. GROUT, Comptroller; ELGIN R. L. GOULD, Chamberlain; CHARLES V. FOSBER, President of the Board of Aldermen, and HERBERT PARSONS, Chairman Finance Committee, Board of Aldermen, Members: N. TAYLOR PHILLIPS, Deputy Comptroller, Secretary. Office of Secretary, Room No. 12, Stewart Building.

BOARD OF ESTIMATE AND APPORTIONMENT.

Telephone 2115. The MAYOR, Chairman; the COMPTROLLER, PRESIDENT OF THE BOARD OF ALDERMEN, PRESIDENTS OF THE BOROUGHS OF MANHATTAN, BROOKLYN, THE BRONX, QUEENS and RICHMOND, Members; JAMES W. STEVENSON, Deputy Comptroller, Secretary; CHARLES V. ADER, Clerk.

AQUEDUCT COMMISSIONERS.

Room 207, Stewart Building, 5th floor, 9 A. M. to 4 P. M. Telephone 1942 Franklin. The MAYOR, the COMPTROLLER, ex officio; Commissioners: WILLIAM H. TAYLOR EYCK (President), JOHN J. RYAN, MAURICE J. POWERS and JOHN P. WINDOLPH; HENRY W. WALKER, Secretary; WILLIAM R. HILL, Chief Engineer.

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POLICE DEPARTMENT.

Central Office. No. 305 Mulberry street, 9 A. M. to 4 P. M. Telephone 3100 Spring. JOHN N. PARTRIDGE, Commissioner. NATHANIEL B. THURSTON, First Deputy Commissioner. FREDERICK H. E. REEFRAIN, Second Deputy Commissioner. J. J. CORKHILL, Secretary to the Police Commissioner.

BOARD OF ELECTIONS.

Commissioners—JOHN R. VOORHIS (President), CHARLES B. PAGE (Secretary), JOHN MAGUIRE, MICHAEL J. DADY. Headquarters, General Office, No. 301 Mott street. A. C. ALLER, Chief Clerk of the Board. Office, Borough of Manhattan, No. 301 Mott street. WILLIAM C. BAXTER, Chief Clerk. Office, Borough of The Bronx, One Hundred and Thirty-eighth street and Mott avenue (Solingen Building). CORNELIUS A. BUNNER, Chief Clerk. Office, Borough of Brooklyn, No. 23 Court street. GEORGE RUSSELL, Chief Clerk. Office, Borough of Queens, No. 31 Jackson avenue, Long Island City. CARL VORGER, Chief Clerk. Office, Borough of Richmond, Staten Island Savings Building, Stapleton, S. I. ALEXANDER M. ROSS, Chief Clerk. All offices open from 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

DEPARTMENT OF BRIDGES.

Nos. 15 to 21 Park Row, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 1 P. M. Telephone 5080 Cortlandt, Manhattan; 2207 Main, Brooklyn; 79 Tremont, The Bronx; 413 Greenpoint, Queens. GUYVA LINDSTRAHL, Commissioner. NELSON L. ROSSIGNOL, Deputy. LEFKOWITZ L. BUCK, Chief Engineer.

DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.

Telephone: Manhattan, 256 Cortlandt; Brooklyn, 1080 Main; Queens, 430 Greenpoint; Richmond, 39 Tompkinsville; Bronx, 62 Tremont.

**J. HAMPDEN DOUGHERTY**, Commissioner.  
**WILLIAM A. DE LONG**, Deputy Commissioner.  
**GEORGE W. BIRSEALL**, Chief Engineer.  
**ROBERT A. KELLY**, Water Registrar.  
**EDWARD S. BROWN**, Jr., Secretary to the Department.  
**ROBERT VAN DERSTINE**, Deputy Commissioner, Borough of Brooklyn, Municipal Building, Brooklyn.  
**JOHN QUINN**, Deputy Commissioner, Borough of The Bronx, Crotona Park Building, One Hundred and Seventy-seventh street and Third avenue.  
**GUSTAVE A. ROULLIER**, Deputy Commissioner, Borough of Queens, Long Island City.  
**GEORGE S. SCOFFIELD**, Deputy Commissioner, Borough of Richmond, New Brighton, S. I.

**FIRE DEPARTMENT.**  
 Office hours for all, except where otherwise noted, from 9 A. M. to 5 P. M.; Saturdays, 12 M.

**Headquarters.**  
 Nos. 157 and 159 East Sixty-seventh street. Telephone 868 Seventy-sixth street, Manhattan; 636 Main, Brooklyn.  
**THOMAS STUBBS**, Fire Commissioner.  
**RICHARD H. LAIBER**, Jr., Deputy Commissioner, Boroughs of Brooklyn and Queens.  
**WILLIAM LEARY**, Secretary.  
**EDWARD F. CROSS**, Chief of Department and in Charge of Fire-alarm Telegraph.  
**JAMES DALE**, Deputy Chief, in Charge of Boroughs of Brooklyn and Queens.  
**GEORGE E. MURRAY**, Inspector of Combustibles.  
**THOMAS F. FUREL**, Fire Marshal, Boroughs of Manhattan, The Bronx and Richmond.  
**ALBERT REYNOLDS**, Fire Marshal, Boroughs of Brooklyn and Queens.  
 Central Office open at all hours.  
 Committee to examine persons who handle explosives meets Thursday of each week, at 9 o'clock P. M.

**DEPARTMENT OF STREET CLEANING.**  
 Nos. 13 to 21 Park Row, 9 A. M. to 4 P. M. Telephone 3863 Cortlandt.  
**JOHN MCGAW WOODBURY**, Commissioner.  
**F. M. GIBSON**, Deputy Commissioner.  
**JOHN J. O'BRIEN**, Chief Clerk.

**DEPARTMENT OF CORRECTION.**  
**Central Office.**  
 No. 148 East Twentieth street. Office hours from 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.  
 Telephone 1947 Eighteenth.  
**THOMAS W. HYMAN**, Commissioner.  
**A. C. MACNULTY**, Deputy Commissioner.

**DEPARTMENT OF PUBLIC CHARITIES.**  
**Central Office.**  
 Foot of East Twenty-sixth street, 9 A. M. to 4 P. M.  
 Telephone 605 Madison Square.  
**HOMER FOLK**, Commissioner for Manhattan and Bronx.  
**JAMES P. DOUGHERTY**, First Deputy Commissioner.  
**CHARLES E. TRALE**, Second Deputy Commissioner, for Brooklyn and Queens, Nos. 126 and 128 Livingston street, Brooklyn.  
 Plans and Specifications, Contracts, Proposals and Estimates for Work and Materials for Building, Repairs and Supplies, Bills and Accounts, 9 A. M. to 4 P. M.; Saturdays, 12 M.  
 Outdoor Poor Department. Office hours, 3.30 A. M. to 4.30 P. M.  
 Department for Care of Destitute Children, No. 66 Third avenue, 8.30 A. M. to 4.30 P. M.

**BELLEVUE AND ALLIED HOSPITALS.**  
 Telephone 2730 Madison Square.  
 Board of Trustees—**DR. JOHN W. BRANNAN**, THOROUGH E. TACK, MARCUS STINE, JAMES K. PAULING, SAMUEL SACHS, MILLS TIERNEY, HOWARD TOWNSEND.

**TENEMENT-HOUSE DEPARTMENT.**  
 Manhattan Office, No. 61 Irving place, southwest corner Eighteenth street.  
 Telephone 5331 Eighteenth.  
 Brooklyn Office, Temple Bar Building, No. 44 Court street.  
 Bronx Office, to be established.  
**ROBERT W. DE FOREST**, Commissioner.  
**LAWRENCE VELLER**, First Deputy Tenement-house Commissioner.  
**WESLEY C. BUSH**, Second Deputy Tenement-house Commissioner.

**DEPARTMENT OF DOCKS AND FERRIES.**  
 Pier "A," N. R., Battery place.  
 Telephone 1681 Broad.  
**MCDUGALL HAWKES**, Commissioner.  
**JACKSON WALLACE**, Deputy Commissioner.  
**RUSSELL BLECKNER**, Secretary.  
 Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.

**DEPARTMENT OF HEALTH.**  
 Southwest corner of Fifty-fifth street and Sixth avenue, Borough of Manhattan, 9 A. M. to 4 P. M.  
 Burial Permit and Contagious Disease Offices always open.  
**FREY J. LIDERLE**, Commissioner of Health and President.  
 Telephone 1204 Columbus.  
**CASAR GOLDMAN**, Secretary.  
**CHARLES F. ROBERTS**, M. D., Sanitary Superintendent.  
**WILLIAM H. GUILFOY**, M. D., Registrar of Records.  
**FREDERICK H. DILLINGHAM**, M. D., Assistant Sanitary Superintendent, Borough of Manhattan.  
**EDWARD F. HURD**, M. D., Assistant Sanitary Superintendent, Borough of The Bronx, No. 1237 Franklin avenue.  
**JOSEPH H. RAYMOND**, M. D., Assistant Sanitary Superintendent, Borough of Brooklyn, Nos. 38 and 40 Clinton street.  
**SAMUEL HENRICKSON**, M. D., Assistant Sanitary Superintendent, Borough of Queens, Nos. 372 and 374 Fulton street, Jamaica.  
**JOHN T. SPRAGUE**, M. D., Assistant Sanitary Superintendent, Borough of Richmond, York avenue and Richmond Terrace, New Brighton, Staten Island.

**DEPARTMENT OF PARKS.**  
**WILLIAM R. WILLCOX**, Commissioner of Parks for the Boroughs of Manhattan and Richmond and President of the Park board.  
**GEORGE S. TERRY**, Secretary, Park Board.  
**RICHARD YOUNG**, Commissioner of Parks for the Boroughs of Brooklyn and Queens.  
 Offices, Litchfield Mansion, Prospect Park, Brooklyn.  
**JOHN E. EUSTIS**, Commissioner of Parks for the Borough of The Bronx.  
 Offices, Zbrowski Mansion, Claremont Park.  
 Office hours, 9 A. M. to 4 P. M.; Saturdays, 12 M.

**DEPARTMENT OF TAXES AND ASSESSMENTS.**  
 Stewart Building, No. 280 Broadway. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.  
**JAMES L. WELLS**, President; **WILLIAM S. COGWELL**, **GEORGE J. GILLESPIE**, **SAMUEL STRAUSS**, **RUFUS L. SCOTT**, Commissioners.

**MUNICIPAL CIVIL SERVICE COMMISSION.**

No. 326 Broadway, 9 A. M. to 4 P. M.  
**WILLIS L. OGDEN**, **ALEXANDER T. MASON**, **CORNELIUS VAN DERBILT**, **WILLIAM A. FRENCH**, **WILLIAM N. DYERMAN**, **THEODORE M. BANTA** and **NELSON S. SPENCER**, Commissioners.  
**S. WILLIAM BRISCO**, Secretary.

**BOARD OF ASSESSORS.**  
 Office, No. 370 Broadway, 9 A. M. to 4 P. M.; Saturdays, 12 M.  
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**DEPARTMENT OF EDUCATION.**  
**Board of Education.**  
 Park avenue and Fifty-ninth street, Borough of Manhattan, 9 A. M. to 5 P. M.; Saturdays, 9 A. M. to 12 M.  
**CHARLES C. BURLINGHAM**, President; **FRANK L. BARBOIT**, Vice-President; **A. EMMERSON PALMER**, Secretary.  
**WILLIAM H. MAXWELL**, City Superintendent of Schools.  
**C. B. J. SNYDER**, Superintendent of School Buildings.  
**PARKER P. SIMMONS**, Superintendent of School Supplies.  
**HENRY R. M. COOK**, Auditor.  
**HENRY M. LEITZGER**, Supervisor of Lectures.

**ART COMMISSION.**  
 City Hall, Room 31.  
 Telephone Call, 1197 Cortlandt.  
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**PHYLLIS L. MCCORMACK**, Clerk.

**CHANGE OF GRADE DAMAGE COMMISSION.**  
 Room 8, Stewart Building, No. 280 Broadway Meetings, Mondays, Wednesdays and Fridays, 11 A. M. to 2 P. M.  
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**THE BOARD OF EXAMINERS OF THE CITY OF NEW YORK.**  
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 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.  
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 Office open during business hours every day in the year, except legal holidays. Examinations are held on Monday, Wednesday and Friday after 2 P. M.

**BOROUGH OFFICES.**

**Borough of Manhattan.**  
 Office of the President, Nos. 10, 11 and 12, City Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.  
**JACOB A. CANTOR**, President.  
**GEORGE W. BLAKE**, Secretary.  
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**GEORGE LIVINGSTON**, Commissioner of Public Works.  
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**WILLIAM M. AIKES**, Deputy Superintendent of Buildings.  
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**Borough of The Bronx.**  
 Office of the President, corner Third avenue and One Hundred and Seventy-seventh street, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.  
**LOUIS F. HAPPEL**, President.  
**HENRY A. GUMBLETON**, Secretary.  
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**HENRY BRUCKNER**, Commissioner of Public Works.

**Borough of Brooklyn.**  
 President's Office, No. 11 Borough Hall, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.  
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**JUSTIN MCCARTHY, JR.**, Secretary.  
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**JOHN THATCHER**, Superintendent of the Bureau of Sewers.  
**FRANK J. HELMLE**, Superintendent of the Bureau of Public Buildings and Offices.  
**PETER AITKEN**, Supervisor of Complaints.  
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**Borough of Queens.**  
 President's Office, Borough Hall, Jackson avenue and Fifth street, Long Island City.  
**JOSEPH CARRIDY**, President.  
**GEORGE S. JARVIS**, Secretary to the President.  
**JOSEPH BERNEL**, Commissioner of Public Works.  
**SAMUEL GREENSON**, Superintendent of Highways.  
 Office, Hackett Building, Long Island City.  
**JOSEPH P. POWERS**, Superintendent of Buildings.  
**PHILIP T. CROBIN**, Superintendent of Public Buildings and Offices.  
**MATTHEW J. GOLDNER**, Superintendent of Sewers.  
 Office, Long Island City, 9 A. M. until 4 P. M.; Saturdays, from 9 A. M. until 12 M.

**Borough of Richmond.**  
 President's Office, New Brighton, Staten Island.  
**GEORGE CROMWELL**, President.  
**MAYBURY FLEMING**, Secretary to the President.  
**LOUIS LINCOLN TRIBUE**, Commissioner of Public Works.  
**JOHN SEATON**, Superintendent of Buildings.  
**JOHN TIMLIN, JR.**, Superintendent of Public Buildings and Offices.  
**H. E. BURL**, Superintendent of Highways.  
**RICHARD T. FOX**, Superintendent of Street Cleaning.  
 Office of the President, First National Bank

Building, New Brighton, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

**CORONERS.**  
 Borough of Manhattan—Office, New Criminal Court Building. Open at all times of day and night.  
**SOLOMON GOLDENBERG**, **NICHOLAS T. BROWN**, **GURAY SCHOLER**, **MOSES J. JACKSON**.  
 Borough of The Bronx—Corner of Third avenue and One Hundred and Seventy-seventh street. Telephone 332, Tremont.  
**WALTER H. HIRSHMAN**, Chief Clerk.  
**WILLIAM O'GORMAN, JR.**, **JOSEPH I. BERRY**.  
 Borough of Brooklyn—Office, Room 17, Borough Hall. Open at all times of day and night, except between the hours of 12 M. and 5 P. M., on Sundays and holidays.  
**PHILIP T. WILLIAMS**, **MICHAEL J. FLAHERTY**.  
 Borough of Queens—Office, Borough Hall, Fulton street, Jamaica, L. I.  
**SAMUEL D. NUTT**, **LEONARD ROOPE, JR.**, **MARTIN MAGER, JR.**, Chief Clerk.  
 Office hours from 9 A. M. to 4 P. M.  
 Borough of Richmond—No. 174 Bay street, Stapleton. Open for the transaction of business all hours of the day and night.  
**GEORGE F. SCHAEFER**.

**NEW YORK COUNTY OFFICES.**

**SURROGATES.**  
 New County Courthouse. Court open from 9 A. M. to 4 P. M., except Saturdays, when it closes at 12 M.  
**FRANK T. FITZGERALD**, **ARNER C. THOMAS**, Surrogates; **WILLIAM V. LEARY**, Chief Clerk.

**SHERIFF.**  
 Stewart Building, 9 A. M. to 4 P. M.  
**WILLIAM J. O'BRIEN**, Sheriff; **EDWARD C. MOON**, Under Sheriff.

**COUNTY JAIL.**  
 No. 70 Ludlow street, 6 A. M. to 10 P. M. daily  
**WILLIAM J. O'BRIEN**, Sheriff.  
**THOMAS H. SULLIVAN**, Warden.

**DISTRICT ATTORNEY.**  
 Building for Criminal Courts, Franklin and Centre streets.  
 Office hours, from 9 A. M. to 5 P. M. Saturdays, 9 A. M. to 12 M.  
**WILLIAM TRAVERS JESOME**, District Attorney.  
**JOHN A. HENNERBERY**, Chief Clerk.

**REGISTER.**  
 East side City Hall Park. Office hours from 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M. During the months of July and August the hours are from 9 A. M. to 2 P. M.  
**JOHN H. J. ROYER**, Register; **MATTHEW P. BRENN**, Deputy Register.

**COUNTY CLERK.**  
 Nos. 8, 9, 10 and 11 New County Courthouse. Office hours from 9 A. M. to 4 P. M.  
**THOMAS L. HAMILTON**, County Clerk.  
**HENRY BRISSELL**, Deputy.  
**PATRICK H. DUNS**, Secretary.

**COMMISSIONER OF JURORS.**  
 Room 127 Stewart Building, Chambers street and Broadway, 9 A. M. to 4 P. M.  
**CHARLES WELDE**, Commissioner.

**PUBLIC ADMINISTRATOR.**  
 No. 119 Nassau street, 9 A. M. to 4 P. M.  
**WILLIAM M. HORN**, Public Administrator.

**KINGS COUNTY OFFICES.**

**COUNTY COURT, KINGS COUNTY.**  
 County Courthouse, Brooklyn, Rooms 10, 19, 22 and 23. Court opens at 10 A. M. daily, and sits until business is completed. Part I, Room No. 23, Part II, Room No. 10, Courthouse. Clerk's Office, Rooms 19 and 22, open daily from 9 A. M. to 4 P. M.; Saturdays, 12 M.  
**JOSEPH ASPINALL** and **FREDERICK E. CRAFE**, County Judges.  
**JULIUS L. WIRMAN**, Chief Clerk.

**SURROGATE.**  
 Hall of Records, Brooklyn, N. Y.  
**JAMES C. CRUICK**, Surrogate.  
**WILLIAM P. PICKETT**, Clerk of the Surrogate's Court.  
 Court opens at 10 A. M. Office hours, 9 A. M. to 4 P. M.; Saturdays, 9 A. M. to 12 M.

**SHERIFF.**  
 County Courthouse, Brooklyn, 9 A. M. to 4 P. M.; Saturdays, 12 M.  
**NORMAN S. DIKE**, Sheriff; **WILLIAM W. WINGATE**, Under Sheriff.

**COUNTY JAIL.**  
 Raymond street, between Willoughby street and DeKalb avenue, Brooklyn, New York.  
**NORMAN S. DIKE**, Sheriff; **JAMES F. ROACH**, Warden.

**DISTRICT ATTORNEY.**  
 Office, County Courthouse, Borough of Brooklyn. Hours 9 A. M. to 5 P. M.  
**JOHN F. CLARKE**, District Attorney.

**REGISTER.**  
 Hall of Records. Office hours, 9 A. M. to 4 P. M., excepting months of July and August, then from 9 A. M. to 2 P. M., provided for by statute.  
**JOHN K. NEAL**, Register.  
**WARREN C. TREDWELL**, Deputy Register.  
**D. H. RALSTON**, Assistant Deputy Register.

**COUNTY CLERK.**  
 Hall of Records, Brooklyn, 9 A. M. to 4 P. M.  
**CHARLES T. HARTYERIM**, County Clerk.

**COMMISSIONER OF JURORS.**  
 5 Courthouse.  
**JACOB BRENNER**, Commissioner.  
**FRANK J. GARDNER**, Deputy Commissioner.  
**ALBERT B. WALDRON**, Secretary.  
 Office hours from 9 A. M. to 4 P. M.; Saturdays from 9 A. M. to 12 M.

**COMMISSIONER OF RECORDS.**  
 Rooms 7, 8, 10 and 11, Hall of Records. Office hours, 9 A. M. to 4 P. M., excepting months of July and August, then 9 A. M. to 2 P. M. Saturdays, 9 A. M. to 12 M.  
**GEORGE E. WALDO**, Commissioner.  
**JOSEPH H. GREENLEE**, Deputy Commissioner.  
**THOMAS D. MOSSCROFT**, Superintendent.  
**RICHARD S. STEVES**, Chief Clerk.

**PUBLIC ADMINISTRATOR.**  
 No. 180 Montague street, Brooklyn, 9 A. M. to 4 P. M., except Saturdays in June, July and August, 9 A. M. to 1 P. M.  
**WM. B. DAVENPORT**, Public Administrator.

**QUEENS COUNTY OFFICES.**

**SURROGATE.**  
**DANIEL NOLAN**, Surrogate.  
 Office at Jamaica.  
 Except on Sundays, holidays and half-holidays, the office is open, between March 31 and October 1, from 9 A. M. to 5 P. M.; on Saturdays, from 9 A. M. to 12 M.; between September 30 and April

1, from 9 A. M. to 2 P. M.; on Saturdays, from 9 A. M. to 12 M.

Surrogate's Court sits on Thursday and Friday of each week, except during the month of August, when no court is held. Calendar called at 10 A. M.

**COUNTY COURT.**  
 County Courthouse, Long Island City.  
 County Court opens at 9.30 A. M.; adjourns at 4 P. M.  
 County Judge's office always open at Flushing, N. Y.  
**HARRISON S. MOORE**, County Judge.

**SHERIFF.**  
 County Courthouse, Long Island City, 9 A. M. to 4 P. M.; Saturdays, from 9 A. M. to 12 M.  
**JOSEPH H. DE BRASSA**, Sheriff; **JOSEPH C. BENNETT**, Under Sheriff.

**DISTRICT ATTORNEY.**  
 Office, Queens County Courthouse, Long Island City, 9 A. M. to 5 P. M.  
**JOHN B. MERRILL**, District Attorney.  
**DENIS O'LEARY**, Chief Clerk.  
 Court of General Sessions, **EDWARD R. CARROLL**, Clerk.  
 Clerk's office open from 9 A. M. to 4 P. M.

**CITY COURT OF THE CITY OF NEW YORK.**

No. 32 Chambers street, Brown-stone Building, City Hall Park, from 10 A. M. to 4 P. M.  
 General Term.  
 Trial Term, Part I.  
 Part II.  
 Part III.  
 Part IV.  
 Part V.  
 Special Term Chambers will be held from 10 A. M. to 4 P. M.  
 Clerk's office, from 9 A. M. to 4 P. M.  
**JAMES M. FITZSIMONS**, Chief Justice; **JOHN H. MCCARTHY**, **Lewis J. CONLAN**, **EDWARD F. O'DWYER**, **THEODORE P. HARCALL**, **FRANCIS B. DELANEY**, **SAMUEL SEABURY**, Justices. **THOMAS F. SMITH**, Clerk.

**COURT OF SPECIAL SESSIONS.**  
 Building for Criminal Courts, Centre street, between Franklin and White streets, Borough of Manhattan.  
 Court opens at 10 A. M.  
 Justices—First Division—**ELIUS B. HIRSHALE**, **WILLIAM E. WYATT**, **JOHN B. MCKEAN**, **WILLIAM C. HOLBROOK**, **JULIUS M. MAYER**, **WILLIAM H. OLMSTED**, **WILLIAM M. FULLER**, Clerk; **JOSEPH H. JONES**, Deputy Clerk.  
 Clerk's office open from 9 A. M. to 4 P. M.

Second Division—Trial Days—Borough Hall, Brooklyn, Mondays, Wednesdays and Fridays, at 10 o'clock; Town Hall, Jamaica, Borough of Queens, Tuesdays, at 10 o'clock; Town Hall, New Brighton, Borough of Richmond, Thursdays, at 10 o'clock.  
 Justices—**JOHN COURTHY**, **HOWARD J. FORBES**, **PATRICK KEADY**, **JOHN FLEMING**, **THOMAS W. FITZGERALD**, **JOSEPH L. KRISTIAN**, Clerk; **JOHN J. DORRAN**, Deputy Clerk.  
 Clerk's office, Borough Hall, Borough of Brooklyn; open from 9 A. M. to 4 P. M.

**CITY MAGISTRATE'S COURTS.**

Courts open from 9 A. M. until 4 P. M.  
**City Magistrates**—**HENRY A. BRANN**, **ROBERT C. CORNELL**, **LEROY B. CRANE**, **JOSEPH M. DEVEL**, **CHARLES A. FLAMBERG**, **LORENZ ZELNER**, **CLARENCE W. MEADE**, **JOHN D. MOTT**, **JOSEPH POOL**, **JOHN B. MAYO**, **EDWARD HOGAN**.  
**PHILIP SLOAN**, Secretary.  
 First District—Criminal Court Building.  
 Second District—Jefferson Market.  
 Third District—No. 69 Essex street.  
 Fourth District—Fifty-seventh street, near Lexington avenue.  
 Fifth District—One Hundred and Twenty-first street, southeastern corner of Sylvan place.  
 Sixth District—One Hundred and Fifty-Eighth street and Third avenue.  
 Seventh District—Fifty-fourth street, west of Eighth avenue.

Second Division.  
 Borough of Brooklyn.  
**City Magistrates**—**ALFRED E. SPERRE**, **A. V. B. VOORHIES, JR.**, **JAMES G. TINKER**, **EDWARD J. DOOLEY**, **JOHN NAUMER**, **E. G. HIGGINSWORTHAM**, **FRANK E. O'REILLY**, **HENRY J. FURLONG**.  
 First District—No. 318 Adams street.  
 Second District—Court and Butler streets.  
 Third District—Myrtle and Vanderbilt avenues.  
 Fourth District—Lee avenue and Clymer street.  
 Fifth District—Manhattan avenue and Powers street.  
 Sixth District—Gates and Reid avenues.  
 Seventh District—Grant street (Flatbush).  
 Eighth District—West Eighth street (Coney Island).

Borough of Queens.  
**City Magistrates**—**MATTHEW J. SMITH**, **LUCAS J. CONNORTON**, **EDMUND J. HEALY**.  
 First District—Long Island City.  
 Second District—Flushing.  
 Third District—Far Rockaway.

Borough of Richmond.  
**City Magistrates**—**JOHN CROAK**, **NATHANIEL MARAH**.  
 First District—New Brighton, Staten Island.  
 Second District—Stapleton, Staten Island.  
 President of Board, **ALFRED E. SPERRE**, No. 76 Clarkson street.  
 Secretary to Board, **THOMAS D. OGDEN**, West Eighth street, Coney Island.

**MUNICIPAL COURTS.**

Borough of Manhattan.  
 First District—Third, Fifth and Eighth Wards, and all that part of the First Ward lying west of Broadway and Whitehall street, including Governor's Island, Bedloe's Island, Ellis Island, and the Oyster Islands. New Courthouse, No. 128 Prince street, corner of Wooster street.  
**DANIEL E. FINE**, Justice. **FRANK L. BACON**, Clerk.  
 Clerk's office open from 9 A. M. to 4 P. M.  
 Second District—Second, Fourth, Sixth and Fourteenth Wards, and all that portion of the First Ward lying south and east of Broadway and Whitehall street. Courtroom, corner of Grand and Centre streets.  
**HERMAN BOLTE**, Justice. **FRANCIS MANGER**, Clerk.  
 Clerk's office open from 9 A. M. to 4 P. M.  
 Court opens daily at 10 A. M., and remains open until daily calendar is disposed of and close of the daily business, except on Sundays and legal holidays.

Third District—Ninth and Fifteenth Wards. Courtroom, southwest corner Sixth avenue and West Tenth street. Court open daily (Sundays and legal holidays excepted), from 9 A. M. to 4 P. M.  
**WM. F. MOORE**, Justice. **DANIEL WILLIAMS**, Clerk.  
 Fourth District—Tenth and Seventeenth Wards. Courtroom, No. 30 First street, corner Second avenue. Clerk's office open daily from 9 A. M. to 4 P. M. Court opens at 10 A. M. daily, and remains open to close of business.  
**GEORGE F. BOSCH**, Justice. **JULIUS HARRINGTON**, Clerk.  
 Fifth District—Seventh, Eleventh and Thirteenth Wards. Courtroom, No. 132 Chouteau street.  
**BENJAMIN HIRSHMAN**, Justice. **THOMAS FITZPATRICK**, Clerk.  
 Sixth District—Eighteenth and Twenty-fourth Wards. Courtroom, southwest corner Twenty

third street and Second avenue. Court opens at 9 a. m. daily, and continues open to close of business.

**DANIEL F. MARTIN, Justice.** ABRAHAM BERNARD, Clerk.

Seventh District—Nineteenth Ward. Court-room, No. 131 East Fifty-seventh street. Court opens every morning at 9 o'clock (except Sundays and legal holidays), and continues open to close of business.

**HERMAN JOSEPH, Justice.** PATRICK McDAVITT, Clerk.

Eighth District—Sixteenth and Twentieth Wards. Court-room, northwest corner of Twenty-third street and Eighth avenue. Court opens at 9 a. m., and continues open until close of business.

Clerk's office open from 9 a. m. to 4 p. m., and on Saturdays until 12 m.

Trial days and return days, each Court day.

**JOSEPH H. SVINER, Justice.** HENRY McKEE, Clerk.

Ninth District—Twelfth Ward, except that portion thereof which lies west of the centre line of Lenox or Sixth avenue, and of the Harlem river north of the terminus of Lenox avenue.

**COUNTY CLERK.**

Jamaica, N. Y., Fourth Ward, Borough of Queens.

Office hours, April 1 to October 31, 8 a. m. to 5 p. m.; October 1 to April 1, 9 a. m. to 5 p. m.; Saturdays, to 12 m.

County and Supreme Court held at the Queens County Courthouse, Lloyds Island City. Court opens 9:30 a. m. to adjourn 3 p. m.

**JAMES INGRAM, County Clerk.**

**CHARLES DOWLING, Deputy County Clerk.**

**COMMISSIONER OF JURORS.**

Office hours, 9 a. m. to 4 p. m.; Saturdays, 9 a. m. to 12 m.

**EDWARD J. KNADER, Commissioner.**

**H. HOUSE MOORE, Assistant Commissioner.**

**PUBLIC ADMINISTRATOR.**

No. 103 Third street, Long Island City, 9 a. m. to 5 p. m.

**CHARLES A. WADLEY, Public Administrator.**

**RICHMOND COUNTY OFFICES.**

**COUNTY JUDGE AND SURROGATE.**

Terms of Court, Richmond County, 1902.

**County Courts—STEPHEN D. STEPHENS, County Judge.**

First Monday of June, Grand and Trial Jury; First Monday of December, Grand and Trial Jury;

Fourth Wednesday of January, without a Jury; Fourth Wednesday of February, without a Jury;

Fourth Wednesday of March, without a Jury; Fourth Wednesday of April, without a Jury; Fourth Wednesday of July, without a Jury; Fourth Wednesday of September, without a Jury; Fourth Wednesday of October, without a Jury;—All at the Courthouse at Richmond.

**Surrogate's Court—STEPHEN D. STEPHENS, Surrogate.**

Mondays, at the First National Bank Building, St. George, at 10:30 o'clock a. m.

Tuesdays, at the First National Bank Building, St. George, at 10:30 o'clock a. m.

Wednesdays, at the Surrogate's Office, Richmond, at 10:30 o'clock a. m.

**DISTRICT ATTORNEY.**

Part Richmond, S. L.

Office hours, from 9 a. m. to 12 m., and from 1 p. m. to 5 p. m.

**EDWARD S. RAWSON, District Attorney.**

**COUNTY CLERK.**

County Office Building, Richmond, S. L., 9 a. m. to 4 p. m.

**EDWARD M. MULLER, County Clerk.**

**CROWELL M. COOPER, Deputy County Clerk.**

**SHERIFF.**

County Courthouse, Richmond, S. L., 9 a. m. to 4 p. m.

**FRANKLIN C. VATT, Sheriff.**

**THOMAS H. BARNING, Under Sheriff.**

**COMMISSIONER OF JURORS.**

Village Hall, Stapleton.

**CHARLES J. KULLMAN, Commissioner.**

**J. LOUIS GABERTSON, Commissioner.**

Office open from 9 a. m. until 4 p. m.; Saturdays, from 9 a. m. to 12 m.

**THE COURTS.**

**APPELLATE DIVISION SUPREME COURT.**

**FIRST JUDICIAL DEPARTMENT.**

Courthouse, Madison avenue, corner Twenty-fifth street. Court opens at 1 p. m.

**CHARLES H. VAN BRUNT, Presiding Justice;** EDWARD PATTERSON, MORGAN J. O'BRIEN, GEORGE L. INGERSALL, CHESTER B. McLAUGHLIN, EDWARD W. HATCH, FRANK C. LAUGHLIN, JUSTICES. ALFRED WAGSTAFF, Clerk. WILLIAM LAMB, JR., Deputy Clerk.

Clerk's Office opens at 9 a. m.

**SUPREME COURT—FIRST DEPARTMENT.**

County Courthouse, Chambers street. Courts open from 10:15 a. m. to 4 p. m.

Special Term, Part I. (motions), Room No. 7a.

Special Term, Part II. (ex-parte business), Room No. 15.

Special Term, Part III., Room No. 19.

Special Term, Part IV., Room No. 17.

Special Term, Part V., Room No. 30.

Special Term, Part VI. (Elevated Railroad Cases), Room No. 16.

Trial Term, Part I., Room No. 25.

Trial Term, Part II., Room No. 18.

Trial Term, Part III., Room No. 17.

Trial Term, Part IV., Room No. 18.

Trial Term, Part V., Room No. 16.

Trial Term, Part VI., Room No. 24.

Trial Term, Part VII., Room No. 23.

Trial Term, Part VIII., Room No. 33.

Trial Term, Part IX., Room No. 31.

Trial Term, Part X., Room No. 32.

Trial Term, Part XI., Room No. 22.

Trial Term, Part XII., Room No. 34.

Trial Term, Part XIII., and Special Term, Part VII., Room No. 26.

Appellate Term, Room No. 37.

Naturalization Bureau, Room No. 28, third floor.

Assignment Bureau, room on third floor.

Clerks in attendance from 10 a. m. to 4 p. m.

Clerk's Office, Special Term, Part I. (motions), Room No. 15.

Clerk's Office, Special Term, Part II. (ex-parte business), room southwest corner Mezzanine Floor.

Clerk's Office, Special Term Calendar, room southeast corner second floor.

Clerk's Office, Trial Term Calendar, room northeast corner second floor.

Clerk's Office, Appellate Term, room southwest corner third floor.

Trial Term, Part I. (Criminal business).

Original Courthouse, Centre street.

**Justices—GEORGE C. BARRETT, CHARLES H. TYDAN, CHARLES F. MACLEAN, JAMES FITZGERALD, MILLS BRADY, DAVID LEVANTZKY, LEONARD A. GARDNER, HENRY BISHOP, JR., JOHN J. FREEDMAN, GEORGE P. ANDREWS, P. HENRY DUBOIS, JOHN PATRICK CLARKE, HENRY A. GILDEMEYER, FRANCIS M. SCOTT, JAMES A. O'BRIEN, JAMES**

**A. BLANCHARD, SAMUEL GREENBAUM, ALFRED STECKLER, THOMAS L. HAMILTON, Clerk.**

**SUPREME COURT—SECOND DEPARTMENT.**

Kings County Courthouse, Borough of Brooklyn, N. Y.

Courts open daily from 10 o'clock a. m. to 5 o'clock p. m. Five jury trial parts. Special Term for Trials. Special Term for Motions.

**GERARD M. STEVENS, General Clerk.**

**CRIMINAL DIVISION—SUPREME COURT.**

Building for Criminal Courts, Centre, Elm, White and Franklin streets.

Court opens at 10:30 a. m.

**THOMAS L. HAMILTON, Clerk; EDWARD R. CARROLL, Special Deputy to the Clerk.**

Clerk's Office open from 9 a. m. to 4 p. m.

**COURT OF GENERAL SESSIONS.**

Held in the building for Criminal Courts, Centre, Elm, White and Franklin streets.

Court opens at 10:30 o'clock a. m.

**RUFUS B. COWING, City Judge; JOHN W. GOFF, Recorder; JOSEPH E. NEWBROUGH, MARTIN T. McMAHON and WARREN W. FOSTER, Judges of the Court-room, No. 170 East One Hundred and Twenty-first street, southeast corner of Sylvan place. Court opens every morning at 9 o'clock (except Sundays and legal holidays), and continues open to close of business.**

**JOSEPH P. FALLON, Justice.** WILLIAM J. KENNEL, Clerk.

Clerk's office open daily from 9 a. m. to 4 p. m.

Tenth District—Twenty-second Ward and all that portion of the Twelfth Ward which is bounded on the north by the centre line of One Hundred and Tenth street, on the south by the centre line of Eighty-sixth street, on the east by the centre line of Sixth avenue, and on the west by the North river. Court-room, No. 314 West Fifty-fourth street. Court opens daily (Sundays and legal holidays excepted) from 9 a. m. to 4 p. m.

**THOMAS E. MURRAY, Justice.** HUGH GRANT, Clerk.

Eleventh District—That portion of the Twelfth Ward which lies north of the centre line of West One Hundred and Tenth street and west of the centre line of Lenox or Sixth avenue, and of the Harlem river north of the terminus of Lenox or Sixth avenue. Court-room, corner of One Hundred and Twenty-sixth street and Columbus avenue. Clerk's office open daily (Sundays and legal holidays excepted), from 9 a. m. to 4 p. m. Court convenes daily at 9:45 a. m.

**FRANCIS J. WUNDERLICH, Justice.** HERMAN B. WILSON, Clerk.

**BOROUGH OF THE BRONX.**

First District—All that part of the Twenty-fourth Ward which was lately annexed to the City and County of New York by chapter 1034 of the Laws of 1895, comprising all of the late Town of Westchester and part of the Towns of Eastchester and Pelham, including the Villages of Wakefield and Williamsbridge. Court-room, Town Hall, Main street, Westchester Village. Court open daily (Sunday and legal holidays excepted) from 9 a. m. to 4 p. m. Trial of causes are Tuesday and Friday of each week.

**WILLIAM W. PENFIELD, Justice.** JOHN N. STEWART, Clerk.

Office hours, from 9 a. m. to 5 p. m.; Saturdays closing at 12 m.

Second District—Twenty-third and Twenty-fourth Wards, except the territory described in chapter 932 of the Laws of 1895. Court-room, corner of Third avenue and One Hundred and Fifty-eighth street. Office hours from 9 a. m. to 4 p. m. Court opens at 10 a. m.

**JOHN M. TIERNY, Justice.** THOMAS A. MAHER, Clerk.

**BOROUGH OF BROOKLYN.**

First District—Comprising First, Second, Third, Fourth, Fifth, Sixth, Tenth and Twelfth Wards of the Borough of Brooklyn. Court-house, northwest corner State and Court streets.

**JOHN J. WALSH, Justice.** EDWARD MORAN, Clerk.

Clerk's office open from 9 a. m. to 4 p. m. Calendar called at 10 a. m.

Second District—Seventh, Eighth, Ninth, Eleventh, Twentieth, Twenty-first, Twenty-second and Twenty-third Wards. Court-room, located at No. 79 Broadway, Brooklyn.

**GERARD B. VAN WART, Justice.** WILLIAM H. ALLEN, Clerk.

Clerk's office open from 9 a. m. to 4 p. m.

Third District—Includes the Thirteenth, Fourteenth, Fifteenth, Sixteenth, Seventeenth, Eighteenth and Nineteenth Wards. Court-house, Nos. 6 and 8 Lee avenue, Brooklyn.

**WILLIAM J. LYNCH, Justice.** JOHN W. CAPENTER, Clerk.

Clerk's office open from 9 a. m. to 4 p. m. Court opens at 10 o'clock.

Fourth District—Twenty-fourth, Twenty-fifth, Twenty-sixth, Twenty-seventh and Twenty-eighth Wards. Court-room, No. 14 Howard avenue.

**THOMAS H. WILLIAMS, Justice.** HERMAN GORINGHORST, Clerk; JAMES P. SIKKOTT, Assistant Clerk.

Clerk's office open from 9 a. m. to 4 p. m.

Fifth District—Eighth, Twenty-second, Twenty-ninth, Thirtieth, Thirty-first, and Thirty-second Wards. Court-house, Bay Twenty-second street and Bath avenue, Bath Beach. Telephone 83, Bath.

**CORNELIUS FERGUSON, Justice.** JEREMIAH J. O'LEARY, Clerk.

Clerk's office open from 9 a. m. to 4 p. m.

**BOROUGH OF QUEENS.**

First District—First Ward (all of Long Island City, formerly composing five wards). Court-room, No. 45 Jackson avenue, Long Island City.

Clerk's office open from 9 a. m. to 4 p. m. each day, excepting Saturday, closing at 12 m. Trial days, Mondays, Wednesdays and Fridays. All other business transacted on Tuesdays and Thursdays.

**THOMAS C. KADIER, Justice.** THOMAS P. KENNEL, Clerk.

Second District—Second and Third Wards, which include the territory of the late Towns of Newtown and Flushing. Court-room, in Courthouse of late Town of Newtown, corner of Broadway and Court street, Elmhurst, New York. P. O. address, Elmhurst, New York.

**WILLIAM RASQUIN JR., Justice.** HENRY WALTER, JR., Clerk.

Clerk's office open from 9 a. m. to 4 p. m.

Third District—JAMES P. McLAUGHLIN, Justice. GEORGE W. DAMON, Clerk.

Court-house, Town Hall, Jamaica.

Clerk's office open from 9 a. m. to 4 p. m.

Court held on Mondays, Wednesdays and Fridays at 10 a. m.

**BOROUGH OF RICHMOND.**

First District—First and Third Wards (Towns of Castleton and Northfield). Court-room, former Village Hall, Lafayette avenue and Second street, New Brighton.

**JOHN J. KENNEL, Justice.** FRANCIS F. LEMAN, Clerk.

Clerk's office open from 9 a. m. to 4 p. m.

Court held each day, except Saturdays, from 10 a. m.

**BOROUGH OF MANHATTAN.**

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, NEW YORK, JUNE 30, 1902.

**NOTICE IS HEREBY GIVEN, IN ACCORDANCE** with section 432 of the Charter of the City of New York that a communication, signed by the Commissioner of Public Works, recommending the regulating, grading, curbing and digging Forty-first street, west of Eleventh avenue, and paving west of Eleventh avenue, with sheet asphalt on concrete foundation, has been filed in this office, and is now ready for public inspection, and that a meeting of the Board of Local Improvements of the Chelsea District for Local Improvements will be held in the Borough Office, City Hall, on the 15th day of July, 1902, at 12 m., at which meeting said communication will be submitted to the Board.

**JACOB A. CANTOR, President.**

**GEORGE W. BLAKE, Secretary.** jyt

OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, NEW YORK, JUNE 30, 1902.

**NOTICE IS HEREBY GIVEN, IN ACCORDANCE** with section 432 of the Charter of the City of New York, that a communication, signed by the Corporation Counsel, recommending consideration of condition of sidewalk on the northerly side of West One Hundred and Twenty-fifth street, between Amsterdam avenue and the Boulevard, especially in front of No. 525 West One Hundred and Twenty-fifth street, has been filed in this office, and is now ready for public inspection, and that a meeting of the Board of Local Improvements of the Washington Heights District for Local Improvements will be held in the Borough Office, City Hall, on the 15th day of July, 1902, at 11 a. m., at which meeting said communication will be submitted to the Board.

**JACOB A. CANTOR, President.**

**GEORGE W. BLAKE, Secretary.** jyt

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**JACOB A. CANTOR, President.**

**GEORGE W. BLAKE, Secretary.** jyt

**BOARD MEETINGS.**

The Board of Estimate and Apportionment meet in the old Council Chamber (Room 16), City Hall, every Friday at 10 o'clock a. m.

**JAMES W. STEVENSON, Deputy Comptroller, Secretary.**

The Commissioners of the Sinking Fund meet in the old Council Chamber (Room 16), City Hall, every Wednesday at 2 o'clock p. m.

**N. TAYLOR PHILLIPS, Deputy Comptroller, Secretary.**

**OFFICIAL PAPERS.**

"Tribune," "Mail and Express," "Evening Post," "World," "Real Estate Record," "Harper's Weekly," "Staats-Zeitung."

**PHILIP COWEN, Supervisor.**

January 9, 1902.

**BOARD OF ESTIMATE AND APPORTIONMENT.**

In the matter of an act relative to the powers of the Aqueduct Commissioners to agree with any person, firm or corporation, that eight hours shall constitute a day's work for all laborers employed upon the Jerome Park Reservoir.

**A JOINT HEARING IN THE ABOVE MATTER** will be held in the former Council Chamber, City Hall, by the Board of Estimate and Apportionment and the Aqueduct Commissioners on Tuesday, July 8, 1902, at 10:30 o'clock a. m.

**J. W. STEVENSON, Secretary.** jyt

**NOTICE IS HEREBY GIVEN THAT THE** Board of Estimate and Apportionment of the City of New York, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade of Nostrand avenue, between Malbone street and Flatbush avenue, in the Borough of Brooklyn, City of New York, and that a meeting of the said Board will be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 11th day of July, 1902, at 11 o'clock a. m., at which such proposed change of grade will be considered by said Board, all of which is more particularly described in the following resolutions adopted by said Board on the 20th day of June, 1902, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of the City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade of Nostrand avenue, between Malbone street and Flatbush avenue, in the Borough of Brooklyn, City of New York, more particularly described as follows:

- (A)
- Beginning at the intersection of Nostrand avenue and Malbone street, the elevation to be 70.7 feet, as heretofore;
1. Thence southerly to the intersection of Sterling street, the elevation to be 62.8 feet;
  2. Thence southerly to the intersection of Lefferts street, the elevation to be 57.0 feet;
  3. Thence southerly to the intersection of Lincoln road, the elevation to be 53.5 feet;
  4. Thence southerly to the intersection of Maple street, the elevation to be 53.5 feet;
  5. Thence southerly to the intersection of Midwood street, the elevation to be 54.45 feet;
  6. Thence southerly to the intersection of Rutland road, the elevation to be 55.5 feet;
  7. Thence southerly to a point distant 80 feet northerly from the north side line of Fenimore street, the elevation to be 56.2 feet;
  8. Thence southerly to the intersection of Fenimore street, the elevation to be 55.7 feet;
  9. Thence southerly to the intersection of Hawthorne street, the elevation to be 54.75 feet, as heretofore.

- (B)
- Beginning at the intersection of Nostrand avenue and Ditmas avenue, the elevation to be 27.6 feet, as heretofore;
1. Thence southerly to a point distant 283 feet from the southern side line of Ditmas avenue, the elevation to be 24.0 feet;
  2. Thence southerly to the intersection of Avenue F, the elevation to be 21.5 feet;
  3. Thence southerly to the intersection of Avenue G, the elevation to be 24.6 feet;
  4. Thence southerly to the intersection of the centre line of Nostrand avenue with the northeastern curb line of Flatbush avenue, the elevation to be 22.8 feet.
- All elevations refer to mean high water datum, as established by the Department of Highways, Borough of Brooklyn.

Resolved, That the President of the Borough of Brooklyn, cause to be prepared for submission to this Board, three similar maps or plans for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed change of grade of the above-named street, and the location of the immediate, adjacent or intersecting open or established public streets, avenues, roads, squares or places sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed change of grade of the above-named street at a meeting of this Board, to be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, on the 11th day of July, 1902, at 11 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 of grade of the above-named street will be considered at a meeting of this Board, to be held at the aforesaid time and place to be published in the "City Record" and corporation newspapers for ten days continuously, Sundays and legal holidays excepted, prior to the 11th day of July, 1902.

**J. W. STEVENSON, Secretary.** jyt

Attest:  
**JOHN H. MOONEY, Assistant Secretary.** jct7juy

**NOTICE IS HEREBY GIVEN THAT THE** Board of Estimate and Apportionment of the City of New York, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade of Rogers avenue, between Malbone street and Flatbush avenue, in the Borough of Brooklyn, City of New York, and that a meeting of the said Board will be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 11th day of July, 1902, at 11 o'clock a. m., at which such proposed change of grade will be considered by said Board, all of which is more particularly described in the following resolutions adopted by said Board on the 20th day of June, 1902, notice of the adoption of which is hereby given, viz.:

Resolved, That the Board of Estimate and Apportionment of the City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grade of Rogers avenue, between Malbone street and Flatbush avenue, in the Borough of Brooklyn, City of New York, more particularly described as follows:

- (A)
- Beginning at the intersection of Rogers avenue and Maple street, the elevation to be 59.78 feet, as heretofore;
1. Thence southerly to the intersection of Midwood street, the elevation to be 59.2 feet;

2. Thence southerly to the intersection of Rutland road, the elevation to be 38.5 feet;  
 3. Thence southerly to a point distant 100 feet from the southern side line of Rutland road, the elevation to be 39.0 feet;  
 4. Thence southerly to the intersection of Fenimore street, the elevation to be 38.48 feet;  
 5. Thence southerly to the intersection of Hawthorne street, the elevation to be 37.72 feet, as heretofore.

(B)

Beginning at the intersection of Rogers avenue and Beverly road, the elevation to be 38.0 feet;

- 1. Thence southerly to the intersection of Avenue C, the elevation to be 33.60 feet;
- 2. Thence southerly to the intersection of Avenue D, the elevation to be 38.5 feet;
- 3. Thence southerly to the intersection of Newkirk avenue, the elevation to be 21.0 feet;
- 4. Thence southerly to the intersection of Ditmas avenue, the elevation to be 24.5 feet;
- 5. Thence southerly to the intersection of Avenue F, the elevation to be 21.5 feet.

All elevations refer to mean high-water datum, as established by the Department of Highways, Borough of Brooklyn.

Resolved, That the President of the Borough of Brooklyn cause to be prepared, for submission to this Board, three similar maps or plans, for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed change of grade of the above-named street and the location of the immediate adjacent or intersecting open or established public streets, avenues, roads, squares or places, sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed change of grade of the above-named street at a meeting of this Board to be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 11th day of July, 1902, at 11 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 laying out and extending of the above-named street will be considered at a meeting of this 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 11th day of July, 1902.

J. W. STEVENSON,  
Secretary.

Attest:  
JOHN H. MOONEY,  
Assistant Secretary.

je27,juy

**NOTICE IS HEREBY GIVEN THAT THE** Board of Estimate and Apportionment of the City of New York, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grades of Amos street, from Cross street to Centre street, in the Borough of Richmond, City of New York, and that a meeting of the said Board will be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 11th day of July, 1902, at 11 o'clock a. m., at which such proposed change of grades will be considered by said Board, all of which is more particularly described in the following resolutions adopted by said Board on the 20th day of June, 1902, notice of the adoption of which is hereby given, viz:

Resolved, That the Board of Estimate and Apportionment of the City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the grades of Amos street, from Cross street to Centre street, Borough of Richmond, City of New York, more particularly described as follows:

Beginning at the intersection of Amos street and Cross street, the elevation to be 23.00 feet as heretofore:

- 1. Thence westerly to the easterly curb line of a new street, not named, the elevation to be 39.50 feet;
- 2. Thence westerly to the westerly curb line of the said unnamed street, the elevation to be 40.00 feet;
- 3. Thence westerly to the intersection of Centre street or Tompkins avenue, the elevation to be 48.80 feet as heretofore.

All elevations refer to mean high-water datum as established for the Borough of Richmond.

Resolved, That the President of the Borough of Richmond, cause to be prepared for submission to this Board three similar maps or plans, for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed change of grade of the above-named street and the location of the immediate adjacent or intersecting open or established public streets, avenues, roads, squares or places sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed change of grade of the above-named street at a meeting of this Board to be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 11th day of July, 1902, at 11 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 of grade of the above-named street will be considered at a meeting of this 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 11th day of July, 1902.

J. W. STEVENSON, Secretary.

Attest:  
JOHN H. MOONEY,  
Assistant Secretary.

je27,juy

**NOTICE IS HEREBY GIVEN THAT THE** Board of Estimate and Apportionment of the City of New York, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by laying out and extending Grace Church Place from its present terminus to Simonson Place, in the Borough of Richmond, City of New York, and that a meeting of the said Board will be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 11th day of July, 1902, at 11 o'clock a. m., at which such proposed laying out and extending will be considered by said Board, all of which is more particularly described in the following resolutions adopted by said Board on the 20th day of June, 1902, notice of the adoption of which is hereby given, viz:

Resolved, That the Board of Estimate and Apportionment of the City of New York, in pursuance of the provisions of Section 442 of the Greater New York Charter, proposes to alter the map or plan of the City of New York, by laying out and extending Grace Church Place, from its present terminus easterly about 110 feet, to Simonson Place, in the Third Ward, Borough of Richmond, City of New York, more particularly described as follows:

Beginning at a point on the north line of Grace Church Place, distant 522 feet 6 inches easterly from the east line of Heberton avenue, thence on the projection easterly of the north line of Grace Church Place, 34 feet 4 inches; thence deflecting 9 degrees 25 minutes 50 seconds to the north 105 feet 8 1/2 inches to the west line of Simonson Place; thence southerly

along the west line of Simonson Place 50 feet; thence westerly and parallel to the last but one mentioned line and 50 feet distant therefrom, 109 feet 8 inches, to a point in the prolongation easterly of the south line of Grace Church Place; thence deflecting 9 degrees 25 minutes 50 seconds to the north and on the prolongation of the south line of Grace Church Place, 11 feet 11 seconds to a point on the south line of Grace Church Place, distant 532 feet 7 inches, easterly from the east line of Heberton avenue; thence northerly on the line bounding Grace Church Place on the east 52 feet 8 inches, to the point or place of beginning.

Resolved, That the President of the Borough of Richmond cause to be prepared for submission to this Board three similar maps or plans for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed laying out and extending of the above-named street and the location of the immediate adjacent or intersecting open or established public streets, avenues, roads, squares or places, sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed laying out and extending of the above-named street at a meeting of this Board, to be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, on the 11th day of July, 1902, at 11 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 laying out and extending of the above-named street will be considered at a meeting of this 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 11th day of July, 1902.

J. W. STEVENSON, Secretary.

Attest:  
JOHN H. MOONEY,  
Assistant Secretary.

je27,juy

**NOTICE IS HEREBY GIVEN THAT THE** Board of Estimate and Apportionment of the City of New York, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the lines and grades of Northern avenue from the northerly line of West One Hundred and Eighty-first street to points 784.30 feet and 756.23 feet northerly therefrom, in the Borough of Manhattan, City of New York, and that a meeting of said Board will be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, on the 11th day of July, 1902, at 11:30 o'clock A. M., at which such proposed change of lines and grades will be considered by said Board, all of which is more particularly set forth and described in the following resolutions adopted by said Board on the 13th day of June, 1902, notice of the adoption of which is hereby given, viz:

Resolved, That the Board of Estimate and Apportionment of the City of New York, in pursuance of the provisions of section 442 of the Greater New York Charter, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by changing the lines and grades of Northern avenue from the northerly line of West One Hundred and Eighty-first street to points 784.30 feet and 756.23 feet northerly therefrom, in the Borough of Manhattan, City of New York, more particularly described as follows:

Beginning at a point in the northerly line of West One Hundred and Eighty-first street distant 469.62 feet easterly from the northeasterly corner of West One Hundred and Eighty-first street and Boulevard Lafayette, as measured along the northerly line from Boulevard Lafayette.

- 1st. Thence northerly deflecting 13 degrees 51 minutes and 35 seconds to the right from the northerly prolongation of the radius drawn through the point of beginning for 784.30 feet.
- 2d. Thence easterly and deflecting to the right 105 degrees 10 minutes and 43 seconds for 62.17 feet.
- 3d. Thence southerly and deflecting to the right 74 degrees 49 minutes and 17 seconds for 756.23 feet to the northerly line of West One Hundred and Eighty-first street.
- 4th. Thence westerly along the northerly line of West One Hundred and Eighty-first street on the arc of a circle whose radius is 640 feet for 62.17 feet to the point or place of beginning.

GRADES.

Beginning at a point in the northerly line of West One Hundred and Eighty-first street and the centre line of Northern avenue, elevation 178.64 feet above city datum. Thence northerly along the centre line of said Northern avenue, distance 769.51 feet, elevation 221.00 feet. All elevations above city datum.

Resolved, That the President of the Borough of Manhattan cause to be prepared for submission to this Board three similar maps or plans, for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed change of lines and grades and the location of the immediate adjacent or intersecting open or established public streets, avenues, roads, squares or places, sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed change of lines and grades of the above-named streets at a meeting of this Board, to be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 11th day of July, 1902, at 11:30 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 of lines and grades of the above-named street will be considered at a meeting of this Board, to be held at the aforesaid time and place, to be published in the "City Record" fourteen days continuously, Sundays and legal holidays excepted, prior to the 11th day of July, 1902.

J. W. STEVENSON, Secretary.

Attest:  
JOHN H. MOONEY,  
Assistant Secretary.

je29, ju

**NOTICE IS HEREBY GIVEN THAT THE** Board of Estimate and Apportionment of the City of New York, deeming it for the public interest so to do, proposes to alter the map or plan of the City of New York by laying out and extending Shell Road, from Avenue X to Canal avenue, and extending West Sixth street, from Neptune avenue to Sheephead Bay Road, in the Thirty-first Ward, Borough of Brooklyn, City of New York, more particularly described as follows:

The laying out of Shell Road consists in laying out a street 70 feet in width from Avenue X southerly to Canal avenue, covering and widening the existing Shell Road; the lines of Shell Road to be connected with West Sixth street at Canal avenue.

The extension of West Sixth street consists in laying out a street between Neptune avenue and Sheephead Bay, 60 feet wide, making thereby West Sixth street a continuous street from Canal avenue to Sheephead Bay road.

Resolved, That the President of the Borough of Brooklyn cause to be prepared for submission to this Board three similar maps or plans, for certification and filing in the manner required by law, showing as nearly as possible the nature and extent of the proposed laying out, and the location of immediate adjacent or intersecting open or established public streets, avenues, roads, squares or places, sufficient for the identification and location thereof.

Resolved, That this Board consider the proposed laying out of the above-named street at a meeting of this Board, to be held in the Council Chamber (Room 16), City Hall, Borough of Manhattan, City of New York, on the 11th day of July, 1902, at 11:30 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 laying out of the above-named street will be considered at a meeting of this 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 11th day of July, 1902.

J. W. STEVENSON, Secretary.

Attest:  
JOHN H. MOONEY,  
Assistant Secretary.

je 19, 20.

BOROUGH OF RICHMOND.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF RICHMOND, FIRST NATIONAL BANK BUILDING, ST. GEORGE, NEW BRITTON, NEW YORK CITY.

**SEALED BIDS OR ESTIMATES WILL BE** received by the President of the Borough of Richmond, at the above office, until 12 o'clock m., on

FRIDAY, JULY 11, 1902.

**Borough of Richmond.**  
 No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO REGULATE, GRADE AND PAVE WITH MACADAM PAVEMENT THE ROADWAY OF TYSEN AVENUE FROM AMBOY ROAD TO MILL ROAD, TOGETHER WITH ALL THE 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:

- 4,000 cu. yds. excavation.
- 40 cu. yds. dry rubble masonry.
- 20 cement rubble masonry.
- 500 linear ft. four-inch tile drain.
- 6,500 sq. yds. macadam pavement.
- 30 sq. yds. new granite block pavement.
- 40 sq. ft. three-inch flagging.
- 1,000 ft. B. M. yellow pine timber cut and fastened in place.
- 40 linear feet of twelve-inch culvert pipe.

The time for the completion of the work and the full performance of the contract is forty working days.

The amount of security required is three thousand (\$3,000) dollars.

No. 2. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO REGULATE, GRADE AND PAVE WITH MACADAM PAVEMENT THE ROADWAY OF HILLSIDE AVENUE, FROM AMBOY ROAD TO THE BEACH, AND VILLA ROAD TO STATION 34, TOGETHER WITH ALL THE 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:

- 5,500 cu. yds. excavation.
- 50 cu. yds. cement rubble masonry.
- 500 linear ft. 4-inch tile drain.
- 60 linear ft. 12-inch culvert pipe.
- 30 linear ft. 20-inch culvert pipe.
- 60 linear ft. 24-inch culvert pipe.
- 5,500 sq. yds. macadam pavement.
- 30 sq. yds. new granite block pavement.
- 220 sq. yds. new cobble gutter.
- 40 sq. ft. 3-inch flagging.
- 1,200 ft. B. M. yellow pine timber, cut and fastened in place.

The time for the completion of the work and the full performance of the contract is 40 working days.

The amount of security required is three thousand dollars (\$3,000).

No. 3. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO REGULATE, GRADE AND PAVE WITH MACADAM PAVEMENT THE ROADWAY OF ELTING VILLE AVENUE, FROM AMBOY ROAD TO SOUTHFIELD BOULEVARD, TOGETHER WITH ALL THE 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:

- 7,500 cu. yds. excavation.
- 15 cu. yds. cement masonry.
- 150 linear ft. 4-inch tile drain.
- 120 linear ft. 20-inch culvert pipe.
- 7,000 sq. yds. macadam pavement.
- 40 sq. yds. new granite block pavement.
- 1,200 ft. B. M. yellow pine timber, cut and fastened in place.

The time for the completion of the work and the full performance of the contract is 50 working days.

The time for the completion of the work and the full performance of the contract is 30 working days.

The amount of security required is two thousand dollars (\$2,000).

No. 5. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED TO REGULATE, GRADE AND PAVE WITH MACADAM PAVEMENT THE ROADWAY OF FLORENCE AVENUE, FROM RICHMOND AVENUE TO ARROCHAR STATION; MADISON AVENUE, FROM RICHMOND AVENUE TO CEDAR STREET; EGBERT PLACE, FROM FINGERBOARD ROAD TO END OF STREET, TOGETHER WITH ALL THE 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:

- 1,750 cu. yds. excavation.
- 2,200 sq. yds. macadam pavement.
- 100 sq. yds. new granite block pavement.
- 210 sq. ft. new bridge stone.
- 150 linear ft. new curb.

The time for the completion of the work and the full performance of the contract is 30 working days.

The amount of security required is fifteen hundred dollars (\$1,500).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per 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 total.

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 inclose the bid, together with a copy of the contract, including the specifications, in the form of approval by the Corporation Council, can be obtained upon application therefor, at the office of the said President.

The plans and drawings may be seen at the office of the Commissioner of Public Works of the Borough of Richmond, Richmond Building, New Brighton, Borough of Richmond.

GEORGE CROMWELL,  
President.

THE CITY OF NEW YORK JUNE 26, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record."

je28,jul11

FIRE DEPARTMENT.

HEADQUARTERS FIRE DEPARTMENT, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK, JUNE 28, 1902.

**SEALED BIDS OR ESTIMATES WILL BE** received by the Fire Commissioner at the above office of the Fire Department until 10 a. m. of

THURSDAY, JULY 10, 1902,

for furnishing and delivering the following supplies:

Borough of Manhattan.

FOR 1,250,000 POUNDS NO. 1 HAY; 240,000 POUNDS NO. 3 RYE STRAW; 875,000 POUNDS, NET WEIGHT, NO. 2 WHITE CLIPPED OATS, 10 WEIGH NOT LESS THAN 34 POUNDS TO THE MEASURED BUSHEL; 76,000 POUNDS, NET WEIGHT, FRESH, CLEAN, SWEET BRAN.

The time for the delivery of the Hay, Straw, Oats and Bran is TWO HUNDRED AND TWENTY-FIVE DAYS.

The amount of security required is FOURTEEN THOUSAND DOLLARS.

Proposals must include all the items, specifying the price per cwt. for Hay, Straw, Oats and Bran. Blank forms of bid or estimate, and also the proper envelope in which to inclose the same, can be obtained and the form of agreement, including specifications, approved as to form by the Corporation Council, and showing the manner of payment, can be seen upon application therefor at the office of the Fire Department, as above.

THOMAS STURGIS,  
Fire Commissioner.

See General Instructions to Bidders on the last page, last column of the "City Record."

je28,jul10

HEADQUARTERS FIRE DEPARTMENT, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK, JUNE 27, 1902.

**SEALED BIDS OR ESTIMATES WILL BE** received by the Fire Commissioner at the above office of the Fire Department until 10 a. m. of

THURSDAY, JULY 10, 1902,

for the following supplies:

Boroughs of Manhattan and The Bronx.

No. 1. FOR FURNISHING AND DELIVERING FIVE HUNDRED POUNDS OF NO. 1 NASSAU SHEEPS WOOL SPONGE;  
 No. 2. FOR FURNISHING AND DELIVERING TWENTY MILES OF NO. 10 B. & S. GAUGE COPPER TELEGRAPH WIRE.

The security required on contract for the sponge is seven hundred dollars, and the time for delivery ten days.

The security required on contract for the wire is seven hundred dollars, and the time for delivery thirty days.

Separate bids or estimates for each kind of the supplies, as above, are required. Blank forms of bid or estimate, and also the proper envelope in which to inclose the same, can be obtained and the form of agreement, including specifications, approved as to form by the Corporation Council, and showing the manner of payment, can be seen upon application therefor at the office of the Fire Department, as above.

THOMAS STURGIS,  
Fire Commissioner.

See General Instructions to Bidders on the last page, last column of the "City Record."

je27,jul10

HEADQUARTERS FIRE DEPARTMENT, NOS. 157 AND 159 EAST SIXTY-SEVENTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK, JUNE 28, 1902.

**SEALED BIDS OR ESTIMATES WILL BE** received by the Fire Commissioner at the above office of the Fire Department until 10 a. m. of

TO CONTRACTORS

See General Instructions to Bidders on the last page, last column of the "City Record."

TUESDAY, JULY 1, 1902,

for furnishing and delivering the following supplies:

Boroughs of Manhattan and The Bronx. Title: Kindling Wood. NINE THOUSAND (9,000) SACKS OF BEST QUALITY, THOROUGHLY SEASONED NORTH CAROLINA PINE KINDLING WOOD, FOR USE IN APPARATUS HOUSES AND ON FIREBOATS, AS PER SPECIFICATIONS.

The time for furnishing the wood and completing the contract is one hundred and eighty (180) days.

The surety required will be eleven hundred (\$1,100) dollars.

Bidders will state the price per sack and per cord, and the aggregate price for the whole quantity of the wood called for, as the contract is to cover a complete delivery.

Blank forms of bid or estimate, and also the proper envelope in which to inclose the same, can be obtained and the form of agreement, including specifications, approved as to form by the Corporation Counsel, and showing the manner of payment, can be seen upon application therefor at the office of the Fire Department, as above.

THOMAS STURGIS, Fire Commissioner.

See General Instructions to Bidders on the last page, last column of the "City Record."

DEPARTMENT OF CORRECTION.

DEPARTMENT OF CORRECTION, No. 148 TWENTIETH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Correction at the above office until 11 o'clock a. m., on

THURSDAY, JULY 17, 1902.

Borough of Manhattan.

No. 1. FOR FURNISHING AND DELIVERING LUMBER, GLASS, IRON, HARDWARE AND MISCELLANEOUS ARTICLES.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before 10 days.

The amount of security required is dollars.

Borough of Brooklyn.

No. 2. FOR FURNISHING AND DELIVERING SUPPLIES FOR MANUFACTURING PURPOSES, CONSISTING OF LEATHER, BROOM CORN, OUTSOLES, INSOLES, WIRE NAILS, BED FRAMES, WIRE IRON, BROOM BLOCKS, etc.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before 30 days.

The amount of security required is fifty (50) per cent of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up as the bids will be read from the total for each item and awards made to the lowest bidder on each item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Department of Correction, the Borough of Manhattan, No. 148 East Twentieth street.

THOMAS W. HYNES, Commissioner.

Dated, June 27, 1902. jcz8,jy11

See General Instructions to Bidders on the last page, last column of the "City Record."

DEPARTMENT OF PARKS.

OFFICE OF THE DEPARTMENT OF PARKS, ARSENAL BUILDING, FIFTH AVENUE AND SIXTY-FOURTH STREET, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Park Board at the above office of the Department of Parks until 3 o'clock p. m., on

THURSDAY, JULY 10, 1902.

No. 1. FOR FURNISHING AND DELIVERING COAL FOR PARKS IN THE BOROUGH OF MANHATTAN.

The time for the completion of the work and the full performance of the contract is as required before December 31, 1902.

The amount of security required is four thousand dollars.

No. 2. FOR FURNISHING AND DELIVERING FORAGE FOR PARKS IN THE BOROUGH OF MANHATTAN.

The time for the completion of the work and the full performance of the contract is as required before December 31, 1902.

The amount of security required is four thousand dollars.

No. 3. FOR FURNISHING LABOR AND MATERIALS FOR CONSTRUCTING LOCKERS, VENTILATION AND OTHER WORK IN THE METROPOLITAN MUSEUM OF ART IN CENTRAL PARK, BOROUGH OF MANHATTAN.

The time for the completion of the work and the full performance of the contract is as stated in the specifications of the several items of work. The amount of security required is fifteen thousand dollars.

No. 4. FOR FURNISHING ALL LABOR AND MATERIALS FOR ERECTING SHELTER AND COMFORT HOUSE IN CONEY ISLAND PARK, BOROUGH OF BROOKLYN.

The time for the completion of the work and the full performance of the contract is sixty consecutive working days.

The amount of security required is twenty-five hundred dollars.

The contracts must be bid separately, and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms and further information concerning bids Nos. 1, 2, 3 may be obtained and the plans and drawings may be seen at the office of the Department of Parks, Arsenal, Central Park, Borough of Manhattan; upon bids No. 4 the plans and drawings may be seen at the office of the Department of Parks, the Boroughs of Brooklyn and Queens, Litchfield Mission, Prospect Park.

WILLIAM E. WILLCOX, RICHARD YOUNG, Commissioners of Parks.

Dated, June 20, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record."

Jes7,jul6.

BOROUGH OF BROOKLYN.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 15, MUNICIPAL BUILDING, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m., on

FRIDAY, JULY 11, 1902.

No. 1. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF GLENMORE AVENUE, FROM STONE AVENUE TO ROCKAWAY AVENUE.

The Engineer's estimate of the quantities is as follows:

- 2,800 square yards of asphalt pavement.
308 cubic yards of concrete.
20 linear feet of old bluestone curb to be reset.
982 cubic yards of excavation.
1,707 linear feet of concrete curb.
8,435 square feet of cement sidewalk.

Time for the completion of the work and the full performance of the contract is thirty-five (35) working days.

The amount of security required is \$1,000.

No. 2. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF DEAN STREET, FROM SACKMAN STREET TO ROCKAWAY AVENUE.

The Engineer's estimate of the quantities is as follows:

- 4,395 square yards of asphalt pavement.
198 cubic yards of concrete.
1,657 cubic yards of excavation.
5,330 linear feet of concrete curb.
11,602 square feet of cement sidewalk.

Time for the completion of the work and the full performance of the contract is forty-five (45) working days.

The amount of security required is \$5,000.

No. 3. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF OSBORNE STREET, FROM SUTTER AVENUE TO BLAKE AVENUE.

The Engineer's estimate of the quantities is as follows:

- 7,950 square yards of asphalt pavement.
370 cubic yards of concrete.
7,950 cubic yards of excavation.
1,060 linear feet of concrete curb.
5,330 square feet of cement sidewalk.

Time for the completion of the work and the full performance of the contract is thirty-five (35) working days.

The amount of security required is \$2,000.

No. 4. FOR REGULATING, GRADING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF NINETY-NINTH STREET, FROM THIRD AVENUE TO FORT HAMILTON AVENUE.

The Engineer's estimate of the quantities is as follows:

- 3,540 square yards of asphalt pavement.
354 cubic yards of concrete.
3,194 cubic yards of excavation.
2,198 linear feet of concrete curb.
11,000 square feet of cement sidewalk.

Time for the completion of the work and the full performance of the contract is forty-five (45) working days.

The amount of security required is \$4,000.

No. 5. FOR REGULATING, GRADING AND PAVING WITH GRANITE PAVEMENT, ON A SAND FOUNDATION, THE ROADWAY OF MESEROLE STREET, FROM WATER BURY STREET TO MORGAN AVENUE, AND WATERBURY STREET, FROM MESEROLE STREET TO STAGG STREET.

The Engineer's estimate of the quantities is as follows:

- 5,090 square yards of granite pavement with sand joints.
3,030 linear feet of new bluestone curb.
4,200 cubic yards of excavation.
700 square feet of old flagstone to be relaid.
19,030 square feet of cement sidewalks.
540 square feet of new granite bridgestones.
380 square feet of bluestone bridgestones.

Time for the completion of the work and the full performance of the contract is fifty (50) working days.

The amount of security required is \$8,000.

No. 6. FOR REGULATING, GRADING AND PAVING WITH MACADAM PAVEMENT, THE ROADWAY OF MERMAD AVENUE, FROM WEST FIFTEENTH STREET TO WEST NINETEENTH STREET.

The Engineer's estimate of the quantities is as follows:

- 3,370 square yards of macadam pavement.
60 cubic yards of excavation.
6,430 cubic yards of filling.
560 square yards of brick gutter pavement.
1,670 linear feet of concrete curb.
7,950 square feet of cement sidewalks.

Time for the completion of the work and the full performance of the contract is forty-five (45) working days.

The amount of security required is \$2,500.

No. 7. FOR CURBING AND GUTTERING, ON STERLING PLACE, FROM TROY AVENUE TO SCHENECTADY AVENUE.

The Engineer's estimate of the quantities is as follows:

- 330 square yards of brick gutters.
1,470 linear feet of concrete curb.

Time for the completion of the work and the full performance of the contract is fifteen (15) working days.

The amount of security required is \$600.

No. 8. FOR REGULATING, GRADING, CURBING AND GUTTERING ON BUTLER PLACE, FROM PLAZA STREET TO STERLING PLACE.

The Engineer's estimate of the quantities is as follows:

- 297 square yards of brick gutters.
24,877 cubic yards of excavation.
930 linear feet of concrete curb.

Time for the completion of the work and the full performance of the contract is sixty (60) working days.

The amount of security required is \$1,000.

No. 9. FOR REGULATING AND PAVING WITH MEDINA SANDSTONE PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF HIGH STREET, FROM JAY STREET TO BRIDGE STREET.

The Engineer's estimate of the quantities is as follows:

- 1,320 square yards of Medina sandstone pavement with tar and gravel joints.
20 square yards of old stone pavement, relaid.
270 cubic yards of concrete.
1,000 linear feet of new bluestone curb.
30 linear feet of old bluestone curb.
50 square feet of new bluestone bridgestone.
90 square feet of old bridgestone.

Time for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is \$2,000.

No. 10. FOR REGULATING AND PAVING WITH MEDINA SANDSTONE PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF SOUTH THIRD STREET, FROM KENT AVENUE TO WYTHE AVENUE.

The Engineer's estimate of the quantities is as follows:

- 1,440 square yards of Medina sandstone pavement with tar and gravel joints.
20 square yards of old stone pavement, to be relaid.
280 cubic yards of concrete.
800 linear feet of new bluestone curb.
80 linear feet of old bluestone curb.
115 square feet of new bluestone bridgestone.
115 square feet of old bridgestone.

Time for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is \$2,000.

The bidder will state the price of each item or class of work contained in the specifications or schedules, per linear foot, square foot, cubic yard, or other unit of measure. The extensions must be made and footed up, as the bids will be read from the total.

The contracts must be bid separately, and the bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

Blank forms may be obtained and the plans and drawings may be seen at the office of the President of the Borough of Brooklyn, Room 15, Municipal Department Building.

J. EDW. SWANSTROM, President.

Dated June 25, 1902. jcz7,jul9

See General Instructions to Bidders on the last page, last column of the "City Record."

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 15, MUNICIPAL DEPARTMENT BUILDING, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, JULY 2, 1902.

No. 1. FOR REGULATING AND PAVING WITH ASPHALT BLOCK PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF TWENTY-SECOND STREET, FROM THIRD AVENUE TO SIXTH AVENUE.

The Engineer's estimate of the quantities is as follows:

- 7,170 square yards of asphalt block pavement.
50 square yards of adjacent pavement.
1,140 cubic yards of concrete.
5,900 linear feet of new curb.
400 linear feet of old curb.
24 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is forty (40) working days.

The amount of security required is \$7,000.

No. 2. FOR REGULATING AND PAVING WITH ASPHALT BLOCK PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF RUSH STREET, FROM KENT AVENUE TO DIVISION AVENUE.

The Engineer's estimate of the quantities is as follows:

- 3,285 square yards of asphalt block pavement.
35 square yards of adjacent pavement.
500 cubic yards of concrete.
1,480 linear feet of new curb.
80 linear feet of old curb.
8 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is \$2,500.

No. 3. FOR REGULATING AND PAVING WITH ASPHALT BLOCK PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF MAUTER STREET, FROM FLORENCE STREET TO MORGAN AVENUE.

The Engineer's estimate of the quantities is as follows:

- 6,960 square yards of asphalt block pavement.
40 square yards of adjacent pavement.
780 cubic yards of concrete.
2,640 linear feet of new curb.
240 linear feet of old curb.
13 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is \$6,000.

No. 4. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF HERKIMER STREET, FROM NOSTRAND AVENUE TO ALBANY AVENUE.

The Engineer's estimate of the quantities is as follows:

- 6,960 square yards of asphalt pavement.
40 square yards of adjacent pavement.
780 cubic yards of concrete.
2,640 linear feet of new curb.
240 linear feet of old curb.
13 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty-five (35) working days.

The amount of security required is \$4,000.

No. 5. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF LEFFERTS PLACE, FROM ST. JAMES PLACE TO FRANKLIN AVENUE.

The Engineer's estimate of the quantities is as follows:

- 8,060 square yards of asphalt pavement.
40 square yards of adjacent pavement.
1,360 cubic yards of concrete.
6,170 linear feet of new curb.
100 linear feet of old curb.
23 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty-five (35) working days.

The amount of security required is \$10,000.

No. 6. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF LEPFERTS PLACE, FROM ST. JAMES PLACE TO FRANKLIN AVENUE.

The Engineer's estimate of the quantities is as follows:

- 8,060 square yards of asphalt pavement.
40 square yards of adjacent pavement.
1,360 cubic yards of concrete.
6,170 linear feet of new curb.
100 linear feet of old curb.
23 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty-five (35) working days.

The amount of security required is \$8,000.

No. 7. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF WILLOUGHBY AVENUE, FROM GRAND AVENUE TO BEDFORD AVENUE.

The Engineer's estimate of the quantities is as follows:

- 1,300 square yards of asphalt pavement.
20 square yards of adjacent pavement.
365 cubic yards of concrete.
1,250 linear feet of new curb.
120 linear feet of old curb.
3,730 square feet of old flagstone to be relaid.

The time for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is \$1,000.

No. 7. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF WOLCOTT STREET, FROM CONOVER STREET TO RICHARDS STREET.

The Engineer's estimate of the quantities is as follows:

- 3,140 square yards of asphalt pavement.
40 square yards of adjacent pavement.
540 cubic yards of concrete.
1,720 linear feet of new curb.
150 linear feet of old curb.
5 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is \$3,000.

No. 8. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF HOWARD AVENUE, FROM BROADWAY TO MADISON STREET, AND MADISON STREET FROM HOWARD AVENUE TO 150 FEET WEST.

The Engineer's estimate of the quantities is as follows:

- 4,955 square yards of asphalt pavement.
70 square yards of adjacent pavement.
375 cubic yards of concrete.
990 linear feet of new curb.
200 linear feet of old curb.
4 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is \$2,000.

No. 9. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF MONROE STREET, FROM CLASON AVENUE TO FRANKLIN AVENUE, AND FROM BEDFORD AVENUE TO NOSTRAND AVENUE.

The Engineer's estimate of the quantities is as follows:

- 6,540 square yards of asphalt pavement.
25 square yards of adjacent pavement.
1,100 cubic yards of concrete.
3,170 linear feet of new curb.
170 linear feet of old curb.
10 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is \$6,000.

No. 10. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF FOURTH AVENUE, FROM FORTIETH STREET TO SIXTIETH STREET.

The Engineer's estimate of the quantities is as follows:

- 26,400 square yards of asphalt pavement.
400 square yards of adjacent pavement.
4,230 cubic yards of concrete.
8,600 linear feet of new curb.
1,000 linear feet of old curb.
5 noiseless man-hole covers.
5,338 cubic yards of excavation.
9,609 cubic yards of top soil, furnished and placed.

Time for the completion of the work and the full performance of the contract is sixty (60) working days.

The amount of security required is \$25,000.

No. 11. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF NELSON STREET, FROM SMITH STREET TO COLUMBIA STREET.

The Engineer's estimate of the quantities is as follows:

- 6,470 square yards of asphalt pavement.
120 square yards of adjacent pavement.
1,160 cubic yards of concrete.
4,100 linear feet of new curb.
570 linear feet of old curb.
2 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty (30) working days.

The amount of security required is \$6,000.

No. 12. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF SEIGEL STREET, FROM BROADWAY TO BUSHWICK AVENUE.

The Engineer's estimate of the quantities is as follows:

- 6,750 square yards of asphalt pavement.
90 square yards of adjacent pavement.
1,160 cubic yards of concrete.
5,870 linear feet of new curb.
100 linear feet of old curb.
23 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty-five (35) working days.

The amount of security required is \$6,000.

No. 13. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF MARCY AVENUE, FROM MACON STREET TO FULTON STREET.

The Engineer's estimate of the quantities is as follows:

- 1,380 square yards of asphalt pavement.
40 square yards of adjacent pavement.
230 cubic yards of concrete.
620 linear feet of new curb.
40 linear feet of old curb.
3 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is twenty (20) working days.

The amount of security required is \$1,200.

No. 14. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF HART STREET, FROM BROADWAY TO CENTRAL AVENUE, AND CENTRAL AVENUE FROM HART STREET TO SUYDAM STREET.

The Engineer's estimate of the quantities is as follows:

- 5,870 square yards of asphalt pavement.
90 square yards of adjacent pavement.
1,040 cubic yards of concrete.
3,040 linear feet of new curb.
900 linear feet of old curb.
90 noiseless man-hole covers.

Time for the completion of the work and the full performance of the contract is thirty-five (35) working days.

The amount of security required is \$5,000.

No. 15. FOR REGULATING AND PAVING WITH ASPHALT PAVEMENT, ON A CONCRETE FOUNDATION, THE ROADWAY OF WILLOUGHBY AVENUE, FROM GRAND AVENUE TO BEDFORD AVENUE.

The Engineer's estimate of the quantities is as follows:

- 1,300 square yards of asphalt pavement.
20 square yards of adjacent pavement.
365 cubic yards of concrete.
1,250 linear feet of new curb.
120 linear feet of old curb.
3,730 square feet of old flagstone to be relaid.

The Engineer's estimate of the quantities is as follows:

- 8,310 square yards of asphalt pavement, 120 square yards of adjacent pavement, 1,380 cubic yards of concrete, 3,700 linear feet of old curb, 100 linear feet of old curb, 20 noiseless man-hole covers.

The amount of security required is \$6,000. No. 16. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION, THE ROADWAY OF NEW YORK AVENUE, FROM PARK PLACE TO EASTERN PARKWAY.

The Engineer's estimate of the quantities is as follows: 4,370 square yards of asphalt pavement, 40 square yards of adjacent pavement, 760 cubic yards of concrete, 1,250 linear feet of new curb, 950 linear feet of old curb, 7 noiseless man-hole covers.

The amount of security required is \$3,000. No. 17. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION, THE ROADWAY OF NOSTRAND AVENUE FROM FLUSHING AVENUE TO WILLOUGHBY AVENUE.

The Engineer's estimate of the quantities is as follows: 4,425 square yards of asphalt pavement, 70 square yards of adjacent pavement, 840 cubic yards of concrete, 3,650 linear feet of new curb, 300 linear feet of old curb, 7 noiseless man-hole covers.

The amount of security required is \$4,000. No. 18. FOR REGULATING AND REPAVING WITH ASPHALT PAVEMENT ON A CONCRETE FOUNDATION, THE ROADWAY OF PACIFIC STREET FROM ALBANY AVENUE TO SCHENECTADY AVENUE.

The Engineer's estimate of the quantities is as follows: 5,820 square yards of asphalt pavement, 50 square yards of adjacent pavement, 920 cubic yards of concrete, 1,670 linear feet of new curb, 1,240 linear feet of old curb, 18 noiseless man-hole covers.

The amount of security required is \$4,000. The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per linear foot or yard, or per cubic foot or yard, 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 may be obtained and the plans and drawings may be seen at the office of the President of the Borough of Brooklyn, Room 15, Municipal Department Building.

J. EDW. SWANSTROM, President. Dated, June 18, 1902. See General Instructions to Bidders on the last page, last column of the "City Record." jersjuz.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF BROOKLYN, ROOM 15, MUNICIPAL BUILDING, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Brooklyn at the above office until 11 o'clock a. m. on

WEDNESDAY, JULY 2, 1902.

No. 1. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR CONSTRUCTING SEWERS IN DAHLGREN PLACE, BETWEEN NINETY-SECOND STREET AND FORT HILL PLACE; BATTERY PLACE, BETWEEN NINETY-SECOND STREET AND CROSEY AVENUE, AND OUTLET SEWERS IN FORT HILL PLACE, BETWEEN DAHLGREN PLACE AND BATTERY PLACE; BATTERY PLACE, BETWEEN CROSEY AVENUE AND ONE HUNDRED AND SIXTH STREET; ONE HUNDRED AND SIXTH STREET, BETWEEN BATTERY PLACE AND SEVENTH AVENUE; AND SEVENTH AVENUE, BETWEEN ONE HUNDRED AND SIXTH STREET AND NINETY-SECOND STREET IN THE BOROUGH OF BROOKLYN.

The time for the completion of the work and the full performance of the contract is 250 working days. The amount of security required is \$15,000.

No. 2. FOR FURNISHING AND DELIVERING JANITORS' SUPPLIES TO VARIOUS PUBLIC BUILDINGS IN THE BOROUGH OF BROOKLYN.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before 30 days. The amount of security required is one thousand dollars (\$1,000).

No. 3. FOR FURNISHING AND DELIVERING ENGINEERS' SUPPLIES TO VARIOUS PUBLIC BUILDINGS IN THE BOROUGH OF BROOKLYN.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before 30 days. The amount of security required is five hundred dollars (\$500).

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure. The extensions must be made and footed up, as the bids will be read from the total. The bids will be compared and the contract awarded at a lump or aggregate sum for each contract.

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 Assistant Commissioner of Public Works, Borough of Brooklyn, Room 15, Municipal Building.

J. EDWARD SWANSTROM, President. Dated, June 5, 1902. See General Instructions to Bidders on the last page, last column of the "City Record." jersjuz

BOARD OF ASSESSORS.

PUBLIC NOTICE IS HEREBY GIVEN TO the owner or owners of all houses and lots, improved or 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 BROOKLYN.

List No. 7093, No. 1. Regulating, grading and paving with asphalt pavement, flagging and re-flagging, curbing and re-curbing Thاتفord avenue, between Liberty avenue and Riverdale avenue.

List No. 7141, No. 2. Sewer Basin at the southwest corner of Glenmore avenue and Essex street.

BOROUGH OF MANHATTAN.

List No. 7059, No. 3.—Outlet sewer and overflow in One Hundred and Twenty-ninth street, between Hudson river and Manhattan street, and in Twelfth avenue, between One Hundred and Twenty-ninth street and One Hundred and Thirtieth street, with connections.

List No. 7143, No. 4. Alteration and improvement to sewer in Eleventh avenue, between Fortieth street and Forty-second street, and to connection at Forty-first street.

The limits within which it is proposed to lay the said assessments include all the several houses and lots of ground, vacant lots, pieces and parcels of land situated on—

No. 1. Both sides of Thاتفord avenue, from Liberty avenue to Riverdale avenue, and to the extent of half the block at the intersecting and terminating streets.

No. 2. South side of Glenmore avenue, extending about 100 feet west of Essex street; west side of Essex street, extending about 255 feet south of Glenmore avenue.

No. 3. East side of Riverside avenue, from One Hundred and Twentieth street to One Hundred and Twenty-ninth street; both sides of Twelfth avenue, from One Hundred and Twenty-ninth street to One Hundred and Thirtieth street; both sides of Claremont avenue, from One Hundred and Nineteenth street to One Hundred and Twenty-seventh street; both sides of Broadway, commencing at a point about 363 feet south of One Hundred and Nineteenth street and extending to One Hundred and Forty-second street; both sides of Old Broadway, from Manhattan street to One Hundred and Thirtieth street; both sides of Hamilton place, from Broadway to One Hundred and Forty-first street; west side of Hamilton place, from One Hundred and Forty-first to One Hundred and Forty-second street; west side of Amsterdam avenue, from One Hundred and Thirty-ninth street to One Hundred and Forty-first street; both sides of Amsterdam avenue, from One Hundred and Sixteenth street to One Hundred and Thirtieth street; east side of Amsterdam avenue, from a point distant about 101 feet south of One Hundred and Seventh street to Cathedral Parkway; both sides of Columbus avenue, from One Hundred and Fourth street to Cathedral Parkway; both sides of Morningside avenue, west from Cathedral Parkway, northerly to its termination at Amsterdam avenue and One Hundred and Twenty-second street; both sides of Morningside avenue East, from One Hundred and Thirtieth street to One Hundred and Twenty-third street; both sides of Columbus avenue, from One Hundred and Twenty-third street to One Hundred and Twenty-seventh street; both sides of Convent avenue, from One Hundred and Twenty-seventh street to One Hundred and Thirty-ninth street; both sides of Manhattan avenue, from One Hundred and Fourth street to One Hundred and Twenty-fourth street; both sides of St. Nicholas avenue, from One Hundred and Twenty-fourth street to One Hundred and Thirty-third street; both sides of St. Nicholas terrace, from One Hundred and Twenty-seventh street to One Hundred and Thirty-fifth street; west side of St. Nicholas terrace, from One Hundred and Thirty-fifth street to One Hundred and Thirty-seventh street; west side of Eighth avenue, from Cathedral Parkway to One Hundred and Sixteenth street; both sides of Eighth avenue, from One Hundred and Sixteenth street to One Hundred and Thirtieth street; both sides of Seventh avenue, from One Hundred and Twenty-first street to One Hundred and Thirty-seventh street; north side of One Hundred and Fourth street, from a point 150 feet west of Columbus avenue, easterly to Manhattan avenue; both sides of One Hundred and Fifth street, from a point about 125 feet west of Columbus avenue, easterly to Manhattan avenue; both sides of One Hundred and Sixth street, from a point about 500 feet west of Columbus avenue, easterly to Manhattan avenue; both sides of One Hundred and Seventh street, from One Hundred and Eighth street and One Hundred and Ninth street, from Amsterdam avenue to Central Park West; both sides of Cathedral Parkway, from Amsterdam avenue to Manhattan avenue; both sides of One Hundred and Eleventh street, One Hundred and Twelfth street, One Hundred and Thirteenth street, One Hundred and Fourteenth street, One Hundred and Fifteenth street, One Hundred and Sixteenth street, One Hundred and Seventeenth street, One Hundred and Eighteenth street, One Hundred and Nineteenth street and One Hundred and Twentieth street, from Morningside avenue East, to Eighth avenue; both sides of One Hundred and Thirteenth street, from a point about 350 feet east of Amsterdam avenue, westerly to Morningside avenue West; both sides of One Hundred and Fourteenth street, from a point about 250 feet east of Amsterdam avenue, easterly to Morningside avenue West; both sides of One Hundred and Fifteenth street, from Amsterdam avenue to Morningside avenue West; south side of One Hundred and Sixteenth street, from a point 250 feet east of Amsterdam avenue, easterly to Morningside avenue West; north side of One Hundred and Sixteenth street, from Amsterdam avenue to Morningside avenue West; both sides of One Hundred and Seventeenth street, One Hundred and Eighteenth street and One Hundred and Nineteenth street, from Amsterdam avenue to Morningside avenue, West; both sides of One Hundred and Nineteenth street, from Claremont avenue to Broadway; both sides of One Hundred and Twentieth street, from Riverside avenue to Morningside avenue West; both sides of One Hundred and Twenty-first street, from Broadway to Morningside avenue West; both sides of One Hundred and Twenty-second street, from Riverside avenue West; both sides of One Hundred and Twenty-third street, from Morningside avenue East, to Eighth avenue; north side of One Hundred and Twenty-fourth street, from Eighth avenue to a point distant about 170 feet east of Seventh avenue; both sides of One Hundred and Twenty-second street, from Morningside avenue East, to a point distant about 250 feet east of Seventh avenue; both sides of One Hundred and Twenty-third street, from Broadway to a point distant about 330 feet east of Seventh avenue; both sides of One Hundred and Twenty-fourth street, from Broadway to a point distant about 410 feet east of Seventh avenue; both sides of One Hundred and Twenty-fifth street, from Claremont avenue to a point distant about 460 feet east of Seventh avenue; both sides of One Hundred and Twenty-sixth street, from Broadway to a point distant about 515 feet east of Seventh avenue; both sides of One Hundred and Twenty-seventh street, from Riverside avenue to a point distant about 475 feet east of Seventh avenue; both sides of One Hundred and Twenty-eighth street, from Amsterdam ave-

ue to a point distant about 385 feet east of Seventh avenue; both sides of Manhattan street, from Columbus avenue to the Hudson river; both sides of Hancock place, from Columbus avenue to Manhattan avenue; both sides of Lawrence street from Columbus avenue to Broadway; both sides of One Hundred and Twenty-ninth street, from the Hudson river to a point distant about 295 feet east of Seventh avenue; both sides of One Hundred and Thirtieth street, from Twelfth avenue to a point distant about 205 feet east of Seventh avenue; both sides of One Hundred and Thirty-first street, from Twelfth avenue to a point distant about 115 feet east of Seventh avenue; both sides of One Hundred and Thirty-second street, from Twelfth avenue to Amsterdam avenue; both sides of One Hundred and Thirty-third street, from Twelfth avenue to Convent avenue; both sides of One Hundred and Thirty-fourth street, from Twelfth avenue to Amsterdam avenue; both sides of One Hundred and Thirty-fifth street, from a point about 200 feet west of Broadway, easterly to St. Nicholas terrace; both sides of One Hundred and Thirty-sixth street, from Broadway to Convent avenue; both sides of One Hundred and Thirty-seventh street, from Amsterdam avenue to St. Nicholas terrace; both sides of One Hundred and Thirty-eighth street, from Broadway to Convent avenue; both sides of One Hundred and Thirty-ninth street, from Broadway to Convent avenue; both sides of One Hundred and Fortieth street, from Broadway to Amsterdam avenue; both sides of One Hundred and Forty-first street, from Broadway to Amsterdam avenue; south side of One Hundred and Forty-second street, from Broadway to Hamilton place; both sides of One Hundred and Thirty-second street and One Hundred and Thirty-third street, from Seventh avenue to Eighth avenue; both sides of One Hundred and Thirty-fourth street, from a point about 455 feet east of Eighth avenue, easterly to Seventh avenue; both sides of One Hundred and Thirty-fifth street, from Seventh avenue to a point distant about 108 feet westerly; both sides of One Hundred and Thirty-sixth street, extending about 95 feet westerly from Seventh avenue.

No. 4. Both sides of Eleventh avenue from Fortieth street to Forty-second street, and blocks bounded by Fortieth street and Forty-second street, Tenth avenue and Eleventh avenue.

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, No. 320 Broadway, New York, on or before July 24, 1902, at 3 p. m., at which time and place the said objections will be heard and testimony received in reference thereto.

BENJAMIN F. HALL, HENRY B. KEICHAM, ENOCH VRELAND, Board of Assessors. WILLIAM H. JASPER, Secretary, No. 320 Broadway, City of New York, Borough of Manhattan, June 24, 1902. jersjuz

DEPARTMENT OF HEALTH.

DEPARTMENT OF HEALTH, SOUTHWEST CORNER FIFTY-FIFTH STREET AND SIXTH AVENUE, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Board of Health at the above office until 11 o'clock a. m. on

WEDNESDAY, JULY 2, 1902.

TITLE: CONTRACT FOR MEAT. No. 1. FOR FURNISHING AND DELIVERING MEAT, AS REQUIRED, TO THE WILLARD PARKER AND RECEPTION HOSPITALS, AT THE FOOT OF EAST SIXTEENTH STREET, BOROUGH OF MANHATTAN; THE RIVERSIDE HOSPITAL, AT NORTH BROTHER ISLAND, BOROUGH OF THE BRONX, AND THE KINGSTON AVENUE HOSPITAL, KINGSTON AVENUE AND FENNIMORE STREET, BOROUGH OF BROOKLYN, NEW YORK CITY, DURING THE YEAR 1902.

The time for the delivery of the meats and the full performance of the contract is by or before December 31, 1902. The amount of security required shall be fifty (50) per cent. of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total for each class and awards made to the lowest bidder on each class.

All meat must be delivered daily, as directed, at the respective hospitals at the hours and in the manner and in such quantities as may be required by the Board of Health during the year 1902.

Any changes in the time or places of delivery, however, may be made in writing by the Board of Health. Deliveries for the Riverside Hospital will be made at the foot of East One Hundred and Thirty-fourth street, Borough of the Bronx. The weight, measure, etc., will be allowed as received at the hospitals.

Blank forms may be obtained at the office of the Board of Health, Borough of Manhattan, southwest corner Fifty-fifth street and Sixth avenue.

ERNST J. LEDERLE, Ph. D., President; ALVAH B. DOTY, M. D., JOHN N. PARTRIDGE, Board of Health. Dated, June 20, 1902. See General Instructions to Bidders on the last page, last column of the "City Record." jersjuz

POLICE DEPARTMENT.

POLICE DEPARTMENT—CITY OF NEW YORK, 1809.

OWNERS WANTED BY THE PROPERTY Clerk of the Police Department of The City of New York, No. 300 Mulberry street, Room No. 9, for the following property, now in his custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount money taken from prisoners and found by Patrolmen of this Department.

CHAS. D. BLATCHFORD, Property Clerk.

POLICE DEPARTMENT—CITY OF NEW YORK, BOROUGH OF BROOKLYN.

OWNERS WANTED BY THE DEPUTY Property Clerk of the Police Department of The City of New York—Office, Municipal Building, Borough of Brooklyn—for the following property, now in his custody, without claimants: Boats, rope, iron, lead, male and female clothing, boots, shoes, wine, blankets, diamonds, canned goods, liquors, etc.; also small amount of money taken from prisoners and found by Patrolmen of this Department.

CHARLES D. BLATCHFORD, Deputy Property Clerk.

DEPARTMENT OF STREET CLEANING.

DEPARTMENT OF STREET CLEANING, ROOM 1421, NOS. 13-21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Street Cleaning at the above office until one o'clock p. m. on

MONDAY, JULY 14, 1902.

Borough of Manhattan.

No. 1. FOR FURNISHING AND DELIVERING 250 CANVAS TRUCK COVERS.

The time for the completion of the work and the performance of the contract is by or before 30 days. The amount of security required is (50) fifty per cent. of the amount of bid or estimate for all the canvas truck covers.

No. 2. FOR FURNISHING AND DELIVERING 2,000 CANVAS CART COVERS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before 30 days. The amount of security required is fifty per cent. (50) of the amount of the bid or estimate for all the canvas cart covers.

No. 3. FOR FURNISHING AND DELIVERING 57 COILS OF MANILA ROPE.

The time for the delivery of the article, materials and supplies and the performance of the contract is by or before 30 days. The amount of security required is fifty per cent. (50) of the amount of the bid or estimate for all the coils of manila rope.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total and awards made to the lowest bidder at a lump or aggregate sum for each contract.

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 and the plans and drawings may be seen at the office of the Department of Street Cleaning, the Borough of Manhattan, Nos. 13-21 Park Row.

JOHN McG. WOODBURY, Commissioner of Street Cleaning. Dated June 27, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record." jersjuz

DEPARTMENT OF STREET CLEANING, NOS. 13 TO 21 PARK ROW, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner at the above office until 1 p. m. on

FRIDAY, JULY 11, 1902.

Borough of Brooklyn.

FOR FURNISHING AND DELIVERING 19 SPRINKLING TRUCKS.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before ninety (90) days after the execution of the contract.

The amount of security required is fifty (50) per cent. of the amount of the bid or estimate. The attention of bidders is called to the resolution of the Board of Estimate and Apportionment, which, among other things, provides that running gear and sprinkling valves other than those described may be submitted, providing that they are equivalent or superior to those which would fulfil the strict wording of the specifications in the opinion of the Commissioner. The Commissioner reserves the right to award the contract in accordance with the foregoing.

A sample truck, or photograph thereof, which it is proposed to furnish, must be submitted to the Commissioner at the time bids are opened. The bidder will state the price of each sprinkling truck contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. Awards will be made to the lowest bidder, and the bids will be compared, and the contract awarded at a lump sum for each truck.

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 and the plans and drawings may be seen at the office of the Department of Street Cleaning, the Borough of Manhattan, Room 1421.

JOHN McGAW WOODBURY, Commissioner of Street Cleaning. Dated June 25, 1902. jersjuz

See General Instructions to Bidders on the last page, last column of the "City Record." jersjuz

ASHES, ETC., FOR FILLING IN LANDS. PERSONS HAVING LANDS OR PLACES in the vicinity of New York Bay to fill in can procure material for that purpose—ashes, street sweepings, etc., collected by the Department of Street Cleaning—free of charge, by applying to the Commissioner of Street Cleaning, Nos. 13 to 21 Park Row, Borough of Manhattan.

JOHN McGAW WOODBURY, Commissioner of Street Cleaning.

DEPARTMENT OF DOCKS AND FERRIES.

DEPARTMENT OF DOCKS AND FERRIES, FEES "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m. on

FRIDAY, JULY 11, 1902.

Borough of Manhattan.

TITLE: CONTRACT No. 740.

No. 1. FOR FURNISHING AND DELIVERING STATIONERY AND PRINTED AND LITHOGRAPHED FORMS, etc., etc.

The time for the delivery of the articles, materials and supplies and the performance of the contract is on or before the expiration of 60 calendar days. The amount of security required is two thousand dollars.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure. The extensions must be made and footed up, as the bids will be read from the total for each class and the bids will be compared and the contract awarded at a lump or aggregate sum.

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 plans and drawings may be seen at the office of the said Department.

McDOUGALL HAWKES, Commissioner of Docks.

Dated, June 26, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record."

je28jy11

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m., on

FRIDAY, JULY 11, 1902, Borough of Brooklyn.

TITLE: CONTRACT No. 742. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR PREPARING FOR AND REPAIRING THE WOODEN PIER WITH APPURTENANCES AT THE FOOT OF NOBLE STREET, EAST RIVER, 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 60 calendar days. The amount of security required is \$6,500.

The bids will be compared and the contract awarded at a lump or aggregate sum. 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 and the plans and drawings may be seen at the office of the said Department.

McDOUGALL HAWKES, Commissioner of Docks.

Dated, June 26, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record."

je28jy11

OFFICE OF THE DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, NORTH RIVER, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks at the above office until 12 o'clock m., on

TUESDAY, JULY 8, 1902, Borough of Manhattan.

TITLE: CONTRACT No. 741. FOR FURNISHING ALL THE LABOR AND MATERIALS REQUIRED FOR BUILDING A NEW FREIGHT SHED WITH APPURTENANCES ON PIER No. 12, EAST RIVER, BOROUGH OF MANHATTAN.

The time for the completion of the work and the full performance of the contract is on or before the expiration of 120 calendar days. The amount of security required is twenty thousand dollars.

The bids will be compared and the contract awarded at a lump or aggregate sum.

TITLE: CONTRACT No. 743. FOR FURNISHING AND DELIVERING ABOUT 10,000 BARRELS OF PORTLAND CEMENT.

The time for the delivery of the articles, materials and supplies and the performance of the contract is on or before the expiration of 180 calendar days. The amount of security is eight thousand dollars.

TITLE: CONTRACT No. 744. FOR FURNISHING AND DELIVERING FLAGS, ENSIGNS, BURGEEES, SIGNAL HALYARDS, etc., etc.

The time for the delivery of the articles, materials and supplies and the performance of the contract is on or before the expiration of thirty calendar days. The amount of security required is four hundred dollars.

The bids will be compared and the contract awarded at a lump or aggregate sum for each contract. 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 and the plans and drawings may be seen at the office of the said Department.

McDOUGALL HAWKES, Commissioner of Docks.

Dated, June 23, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record."

je25jy8

DEPARTMENT OF DOCKS AND FERRIES, PIER "A," FOOT OF BATTERY PLACE, BOROUGH OF MANHATTAN, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Commissioner of Docks, at Pier "A," Battery place, in The City of New York, until 12 o'clock noon, on

TUESDAY, JULY 1, 1902,

for a lease of the bulkhead at the foot of Thirtieth street, East river, in the Borough of Manhattan, City of New York, for a term of five years from a date ten days after said lease shall be approved by the Commissioners of the Sinking Fund. The lessee shall have the privilege of mooring a floating dump at said bulkhead during the term of said lease, for the purpose of receiving ashes, cellar dirt or similar material, and shall also have privilege of maintaining on property owned by the City and under the jurisdiction of this Department, the necessary ramp or approach thereto, also to maintain tally office not to exceed 10x10 feet.

There shall be kept posted, printed in large type, in at least two conspicuous places on the pier, so that same can be readily seen by passers-by from the street, the prices to be charged by the lessees to the public for the privilege of dumping cellar dirt, which prices are also made a condition of the lease, and are to be not more than twenty-five cents per cubic yard.

The following also will be posted, viz.: For regular and ordinary dumping carts which contain two cubic yards, not exceeding fifty cents.

For an ordinary cellar digger's cart which contains one and one-half cubic yards, not exceeding thirty-five cents.

For brick trucks containing between two and one-quarter and two and one-half cubic yards, not exceeding sixty cents.

The Commissioner of Docks expressly reserves the right to reject any and all bids; should a bid, however, be accepted the said Commissioner will prepare a form of lease and transmit same to the Commissioners of the Sinking Fund, with a recommendation that said lease be approved by said Commissioners. The said form of lease shall contain the usual terms, conditions and covenants at present embodied in leases of wharf property now used by this Department, except

that the lessee shall covenant and agree that he will at all times do such dredging from time to time, during the term of said lease, as may be considered necessary or proper by the Commissioner of Docks, in the basins or slips or water adjacent to the said premises.

The successful bidder will be required to agree that he will, upon three days' notice so to do, execute a lease, the form of which may be seen and examined upon application to the Secretary at the office of the Department, Pier "A," Battery place; and also to furnish a bond or obligation in the sum of double the annual rent for the faithful performance of all the covenants and conditions of the lease, the sureties on bond to be approved by the Commissioner of Docks.

McDOUGALL HAWKES, Commissioner of Docks.

Dated, New York, June 13, 1902.

je20jy1

MUNICIPAL CIVIL SERVICE COMMISSION.

PUBLIC NOTICE WILL BE GIVEN OF all competitive examinations at least two weeks in advance of the date upon which the receipt of applications for any scheduled examination will close.

Persons desiring application blanks may obtain the same by applying to the office of the Commission, either in person or in writing, stating in each case the position or positions for which they wish to apply.

When application is made for a position for which no examination is scheduled, the name of the applicant will be recorded and an application blank sent, when a date for such examination is fixed.

All notices of examination will be posted and advertised. Such notices will state the scope of the examination, but for more general information application should be made at the office of the Commission.

S. WILLIAM BRISCOE, Secretary.

REGULATION GOVERNING PROPOSED AMENDMENTS TO CLASSIFICATION.

No office or position in the classified service of the City shall be hereafter classified in the exempt class except upon an application in writing made by the appointing officer, commission or board. Such application shall set forth:

- 1. Whether the office or position has been created and appropriation made therefor in accordance with the provisions of the Charter.
2. Whether at the time of the application the office or position is classified in the competitive class, and, if so, the name of the employee or employees, if any, holding it.
3. The reasons why, in the judgment of the appointing officer, commission or board, it is not practicable to fill such office or position as the result of a competitive examination.

No action shall be taken upon any such application until a public hearing has been had thereon, of which at least three days' notice shall be given to the appointing officer, to the employees, if any, affected, to the Civil Service Reform Association, to the Association of Civil Employees, and by publication in the City Record. A stenographic record shall be kept of the proceedings upon such hearing, and, if the application be granted, a copy of such record shall be forwarded to the Mayor, with the resolution of reclassification.

Adopted June 18, 1902.

S. WILLIAM BRISCOE, Secretary.

MUNICIPAL CIVIL SERVICE COMMISSION, No. 146 BROADWAY, NEW YORK, Saturday, June 21, 1902.

PUBLIC NOTICE IS HEREBY GIVEN that open competitive examinations will be held for the following positions:

SANITARY INSPECTOR, TENEMENT-HOUSE DEPARTMENT—Monday, July 14, 1902, at 10 o'clock a. m.

The receipt of applications for this position will close on Thursday, July 10, at 4 o'clock p. m. This examination is open to men and women. The scope of the examination will be as follows:

Table with 2 columns: Subjects, Weights. Special knowledge 5, Experience 2, Arithmetic 1, Handwriting 1.

The principal subjects under the head of "Special knowledge" will be (1) knowledge of the Tenement-house Law; (2) knowledge of the Sanitary Code and of the principles of sanitation, and (3) general information on tenement conditions.

The minimum per cent. required to pass is 70 per cent. The salary attached to this position is \$1,200 per annum.

EXAMINER, CHARITABLE INSTITUTIONS (Female)—Wednesday, July 16, 1902, at 10 o'clock a. m.

The receipt of applications for this position will close on Friday, July 11, at 4 o'clock p. m. The scope of the examination will be as follows:

Table with 2 columns: Subjects, Weights. General paper 5, Experience 2, Handwriting 1, Arithmetic 1.

The minimum per cent. required to pass is 70. Applicants should be familiar with the methods employed by the City in connection with assigning children to the care of charitable institutions. The salary attached to this position is \$1,000 per annum.

CLERK IN THE BUREAU OF BUILDINGS AND IN THE TENEMENT-HOUSE DEPARTMENT—Friday, July 11, 1902, at 10 o'clock a. m.

The receipt of applications for this position will close on Monday, July 7, 1902, at 4 o'clock p. m.

The subjects of the examination will be (1) clerical examination, such as is required for third grade clerk, and comprising the following subjects: Handwriting, spelling, dictation, arithmetic and letter writing; (2) technical paper on reading plans and knowledge of the principles of building and tenement construction.

Subject 1 will have a weight of eight-tenths of the examination, and Subject 2 will have a weight of two-tenths of the examination.

Candidates will be required to obtain at least 75 per cent. on technical paper and 80 per cent. on the clerical examinations.

The salary attached to this position is \$1,050 per annum.

CORONER'S PHYSICIAN—Monday, July 7, 1902, at 10 o'clock a. m.

The receipt of applications for this examination will close on Wednesday, July 2, at 4 o'clock p. m. The scope of the examination will be as follows:

Table with 2 columns: Subjects, Weights. Technical knowledge 5, Experience 4.

Candidates must be duly authorized to practice medicine in the State of New York, and must present their diplomas as evidence thereof.

DEPUTY TAX COMMISSIONER—Wednesday, July 9, 1902, at 10 o'clock a. m.

The receipt of applications for this examination will close on Thursday, July 3, at 4 o'clock p. m. The scope of the examination will be as follows:

Table with 2 columns: Subjects, Weights. General paper 5, Experience 2, Arithmetic 2, Handwriting 1.

Attention is called to section 233 of the New York Charter concerning the appointment of Deputy Tax Commissioners:

No person shall be appointed to the office of Deputy Tax Commissioner unless he shall be at the time he is appointed, and shall have been for at least one year prior thereto, an elector and freeholder in the borough for which he is appointed.

The salary attached to the position not being graded, persons who obtain a place upon the eligible list may be appointed at any salary for which a vacancy may exist.

S. WILLIAM BRISCOE, Secretary.

BOROUGH OF QUEENS.

OFFICE OF THE PRESIDENT OF THE BOROUGH OF QUEENS, THIRD FLOOR OF THE BOROUGH HALL, FIFTH STREET AND JACKSON AVENUE, LONG ISLAND CITY, BOROUGH OF QUEENS, THE CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the President of the Borough of Queens at the above office until 11 o'clock a. m., on

THURSDAY, JULY 10, 1902.

No. 1. FOR FURNISHING AND DELIVERING TO THE BUREAU OF HIGHWAYS, 10,000 CUBIC YARDS OF BROKEN STONE AND SCREENINGS OF TRAP ROCK AND LIMESTONE.

The time for the delivery of the articles, materials and supplies and the performance of the contract is by or before September 6, 1902.

The amount of security required is fifty per cent. of the amount of the bid or estimate.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per cubic 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 total for each item and awards made to the lowest bidder on each item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed, i. e. b., at the dock or cars as designated.

Blank forms may be obtained at the office of the President.

JOSEPH CASSIDY, President of the Borough of Queens.

Dated, June 23, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record."

je24jy10

DEPARTMENT OF EDUCATION.

DEPARTMENT OF EDUCATION, CORNER PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education, until 12 o'clock noon, on

MONDAY, JULY 14, 1902, Borough of The Bronx.

CONTRACT No. 1. ALTERATIONS AND REPAIRS TO PUBLIC SCHOOLS 64, 66, 97, 98, 99, 100, 101, 103, 178, 178, 146, 153, 173, BOROUGH OF THE BRONX.

The time of completion is 55 working days. Amount of security required on the several jobs of Contract No. 1 is as follows: Public School 64, \$100; Public School 66, \$400; Public School 97, \$800; Public School 98, \$400; Public School 99, \$700; Public School 100, \$400; Public School 101, \$400; Public School 102, \$300; Public School 178, \$500; Public School 178, \$400; Public School 173, \$400.

Borough of Manhattan.

CONTRACT No. 2. ALTERATIONS, REPAIRS, ETC., IN PUBLIC SCHOOLS 4, 13, 21, 25, 36, 42, 88, 94, ANNEX—W. H. S., 140 GRAND STREET; ALSO, FOR SECURING WINDOW FRAMES IN VARIOUS SCHOOLS, BOROUGH OF MANHATTAN.

The time of completion is 55 working days. Amount of security required on the several jobs is as follows: Public School 4, \$400; Public School 13, \$400; Public School 21, \$300; Public School 25, \$600; Public School 36, \$800; Public School 42, \$3,000; Public School 88, \$600; Public School 94, \$600; Annex, W. H. S., \$300; various schools, \$1,000.

Borough of Manhattan.

CONTRACT No. 3. IMPROVING THE SANITARY CONDITION OF PUBLIC SCHOOLS 4, 5, 7, 8, 11, 13, 16, 23, 27, 32, 48, 54, 89, 94, 96, 126, 135, BOROUGH OF MANHATTAN.

The time of completion will be September 1, 1902. The amount of security required on the several jobs of Contract No. 3 is as follows: Public School 4, \$800; Public School 5, \$300; Public School 7, \$900; Public School 8, \$400; Public School 11, \$1,200; Public School 13, \$300; Public School 16, \$500; Public School 23, \$300; Public School 27, \$700; Public School 32, \$1,100; Public School 48, \$400; Public School 54, \$400; Public School 88, \$300; Public School 94, \$400; Public School 96, \$1,100; Public School 126, \$300; Public School 135, \$300.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total for each item and awards made to the lowest bidder on each item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Superintendent at Estimating Room, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated July 2, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record."

ju1.14.

DEPARTMENT OF EDUCATION, CORNER PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education, until 12 o'clock noon, on

MONDAY, JULY 14, 1902, Borough of Manhattan.

FOR FURNISHING AND DELIVERING BUILDING MATERIALS AND SUPPLIES TO WORKSHOPS OF THE DEPARTMENT OF EDUCATION IN THE VARIOUS BOROUGHS, FOR YEAR ENDING DECEMBER 31, 1902.

The amount of security required is fifty per cent. (50 per cent.) of the value of the estimated quantity of supplies that will be required for the year 1902 and for which the bidder proposes to bid, which quantity will be determined by the Superintendent of School Buildings.

The bidders for this work shall bid on only half the quantity called for in specifications, as per addenda attached thereto.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, per pound, ton, dozen, gallon, yard or other unit of measure, by which the bids will be tested. The extensions must be made, as the bids will be read from the total for each item and awards made to the lowest bidder on each item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Superintendent at Estimating Room, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan. Also at branch office.

C. B. J. SNYDER, Superintendent of School Buildings.

Dated July 1, 1902.

See General Instructions to Bidders on the last page, last column of the "City Record."

JUL.14.

DEPARTMENT OF EDUCATION, CORNER PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education, until 12 o'clock noon, on

FRIDAY, JULY 11, 1902, Borough of The Bronx.

CONTRACT No. 1.—FOR ALTERATIONS, REPAIRS, ETC., IN PUBLIC SCHOOLS 60, 61, 62, 63, 85, 90, 97, 115, 154, 155, 156 AND 167, BOROUGH OF THE BRONX.

The time of completion is fifty-five working days on each school. The amount of security required on the several jobs of contract No. 1 is as follows:

Table with 2 columns: School No., Amount. Public School 60, \$600; Public School 61, \$1,700; Public School 62, \$700; Public School 63, \$1,200; Public School 85, \$1,200; Public School 97, \$1,200; Public School 97, \$1,200; Public School 115, \$100; Public School 154, \$1,000; Public School 154, \$600; Public School 156, \$800; Public School 167, \$200.

The bidder will state the price of each item or article contained in the specifications or schedules herein contained or hereto annexed, by which the bids will be tested. The extensions must be made and footed up, as the bids will be read from the total for each item and awards made to the lowest bidder on each item.

Delivery will be required to be made at the time and in the manner and in such quantities as may be directed.

Blank forms and further information may be obtained and the plans and drawings may be seen at the office of the Superintendent at Estimating Room, Hall of the Board of Education, Park avenue and Fifty-ninth street, Borough of Manhattan.

C. B. J. SNYDER, Superintendent of School Buildings.

je28jy11.

See General Instructions to Bidders on the last page, last column of the "City Record."

DEPARTMENT OF EDUCATION, CORNER PARK AVENUE AND FIFTY-NINTH STREET, BOROUGH OF MANHATTAN, CITY OF NEW YORK.

SEALED BIDS OR ESTIMATES WILL BE received by the Superintendent of School Buildings at the above office of the Department of Education, until 12 o'clock noon, on

WEDNESDAY, JULY 9, 1902, Borough of The Bronx.

CONTRACT No. 1. FOR ALTERATIONS, REPAIRS, ETC., TO HEATING APPARATUS, FOR PUBLIC SCHOOLS 61, 63, 64, 90, 98, 173, BOROUGH OF THE BRONX.

The time of completion is 55 working days. The amount of security required on the several jobs on Contract No. 1 is as follows: Public School 61, \$300; Public School 63, \$500; Public School 64, \$300; Public School 90, \$400; Public School 98, \$400; Public School 173, \$400.

Borough of Manhattan.

CONTRACT No. 2. FOR ALTERATIONS, REPAIRS, ETC., TO HEATING APPARATUS, IN PUBLIC SCHOOLS 67, 73, 74, 75, 76, 83, 87, 93, 94, 106, 121, 122, 169, BOROUGH OF MANHATTAN.

The time of completion is 55 working days. The amount of security required on the several jobs of Contract No. 2 is as follows: Public School 67, \$400; Public School 73, \$300; Public School 74, \$400; Public School 75, \$300; Public School 76, \$400; Public School 83, \$400; Public School 87, \$400; Public School 93, \$300; Public School 94, \$300; Public School 106, \$300; Public School 121, \$300; Public School 122, \$300; Public School 169, \$400.

CONTRACT No. 3. FOR ALTERATIONS, REPAIRS, ETC., TO HEATING APPARATUS, IN PUBLIC SCHOOLS 1, 2, 5, 9, 10, 12, 13, 14, 20, 35, 37, 44, 57, 74, BOROUGH OF MANHATTAN.

The time of completion is 55 working days. The amount of security required on the several jobs of Contract No. 3 is as follows: Public School 1, \$400; Public School 2, \$300; Public School 5, \$400; Public School 9, \$500; Public School 10, \$500; Public School 12, \$500; Public School 13, \$700; Public School 14, \$400; Public School 20, \$400; Public School 35, \$400; Public School 37, \$400; Public School 44, \$400; Public School 57, \$400.

Borough of Queens.

CONTRACT No. 4. FOR ALTERATIONS, REPAIRS, ETC., IN PUBLIC SCHOOLS 2, ANNEX, 13, 73, 14, 75, BOROUGH OF QUEENS.



Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third Avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon, on or before August 27, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 28, 1902. j28,july1.

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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

**TWENTY-FOURTH WARD, SECTION 12.**  
**BAINBRIDGE AVENUE—REGULATING, GRADING, CURBING, FLAGGING AND LAYING CROSSWALKS,** from the southerly side of Southern Boulevard to the northern side of Kingsbridge road. Area of assessment: Both sides of Bainbridge avenue, between Kingsbridge road and East Two Hundredth street, and to the extent of one-half the blocks on the intersecting, intervening and terminating streets, excepting One Hundred and Ninety-eighth and Two Hundredth streets, and including lot No. 88 in Block No. 3293.

—that the same was confirmed by the Board of Revision of Assessments on June 16, 1902, and entered on June 16, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter. Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien as provided by section 159 of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third Avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon, on or before August 15, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK—DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 16, 1902. j17,july1.

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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF BROOKLYN:

**TWENTY-FIFTH WARD.**  
**MCDONOUGH STREET—FENCING,** south side, between Rockaway avenue and Stone avenue; also, **ROCKAWAY AVENUE—FENCING,** east side, between McDonough street and Hull street. Area of assessment: Lots Nos. 134 and 149 in block No. 122.

—that the same was confirmed by the Board of Revision of Assessments on June 16, 1902, and entered on June 16, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter. Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, 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 August 15, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK—DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 16, 1902. j17,july1.

INTEREST ON BONDS AND STOCKS OF THE CITY OF NEW YORK.

THE INTEREST DUE ON JULY 1, 1902, ON the Registered Bonds and Stock of The City of New York will be paid on that day by the Comptroller, at his office, Room 39, Stewart Building, corner of Broadway and Chambers street.

The Transfer Books thereof will be closed from June 24, 1902, to July 1, 1902.

The interest due on July 1, 1902, on the Coupon Bonds and Stock of the former City of New York will be paid on that day by the Knickerbocker Trust Company, No. 66 Broadway.

The interest due on July 1, 1902, on the Coupon Bonds of the late City of Brooklyn will be paid on that day by the Nassau National Bank of Brooklyn, No. 26 Court street.

The interest due July 1, 1902, on the Coupon Bonds of Corporations in Queens and Richmond counties will be received on that day for payment by the Comptroller at his office, Room 39, Stewart Building, corner of Broadway and Chambers street.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 2, 1902. j2,july1.

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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

**TWENTY-FOURTH WARD, SECTIONS 11 AND 12.**  
**EAST ONE HUNDRED AND NINETY-SECOND STREET (TITMUS STREET)—SEWER,** between Grand avenue and Creston avenue; **JEROME AVENUE—SEWER,** between East One Hundred and Ninetieth street (St. James street) and East One Hundred and Ninety-sixth street (Donnybrook street); **PARK VIEW TERRACE—SEWER,** between East One Hundred and Ninety-sixth street (Donnybrook street) and Morris avenue; **KINGSBRIDGE ROAD—SEWER,** between Jerome avenue and Creston avenue; also, **CRESTON AVENUE—SEWER,** between Kingsbridge road and East One Hundred and Ninety-sixth street (Donnybrook street). Area of assessment: Both sides of Jerome avenue, from One Hundred and Ninetieth street to One Hundred and Ninety-sixth street; both sides of Park View terrace, from One Hundred and Ninety-sixth street to One Hundred and Ninety-eighth street; both sides of One hundred and Ninety-second street, from Grand avenue to Creston avenue; north side of One Hundred and Ninetieth street, extending about 127 feet east of Jerome avenue; both sides of Kingsbridge road, from the Grand Boulevard and Concourse to Davidson avenue; both sides of One Hundred and Ninety-sixth street, from the Concourse to Jerome avenue; west side of the Concourse, from Kingsbridge road to One Hundred and Ninety-sixth street; both sides of Creston avenue, from Kingsbridge road to One Hundred and Ninety-sixth street, and both sides of Morris avenue, from One Hundred and Ninetieth street to Park View terrace.

—that the same was confirmed by the Board of Assessors on June 26, 1902, and entered on June 27, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments, and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019, of said Greater New York Charter. Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section one hundred and fifty-nine of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third Avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and all payments made thereon, on or before August 26, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 27, 1902. j28,july12.

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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF RICHMOND:

**SECOND WARD.**  
**WARD AVENUE—RE-GRADING AND MACADAMIZING,** from Cebra avenue to Occident avenue; also **OCCIDENT AVENUE—RE-GRADING AND MACADAMIZING,** from Ward avenue to Orient avenue. Area of assessment: Both sides of Ward avenue, between Cebra and Occident avenues; also, both sides of Occident avenue, between Ward and Orient avenues, and to the extent of one-half the blocks on Cebra, Pommer and Occident avenues.

—that the same was confirmed by the Board of Revision of Assessments on June 24, 1902, and entered on June 24, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments, and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019, of said Greater New York Charter. Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on 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 one hundred and fifty-nine of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, No. 372 Richmond terrace, New Brighton, Borough of Richmond, between the hours of 9 a. m.

and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon, on or before August 23, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 24, 1902. j26,july10.

and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon, on or before August 23, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 24, 1902. j26,july10.

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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

**TWENTY-THIRD AND TWENTY-FOURTH WARDS, SECTION 11.**  
**BROADWAY (now called Crotona avenue)—REGULATING, GRADING, CURBING, FLAGGING AND LAYING CROSSWALKS,** from Boston road to the Southern boulevard. Area of assessment: Both sides of Crotona avenue, from Boston road to the Southern boulevard, and to the extent of one-half the blocks on One Hundred and Seventieth street, One Hundred and Seventy-fifth street, One Hundred and Seventy-sixth street, One Hundred and Seventy-eighth street, One Hundred and Seventy-ninth street, One Hundred and Eightieth street, One Hundred and Eighty-first street, One Hundred and Eighty-second street, One Hundred and Eighty-third street, One Hundred and Eighty-fourth street, One Hundred and Eighty-fifth street, One Hundred and Eighty-sixth street, One Hundred and Eighty-seventh street, One Hundred and Eighty-eighth street, One Hundred and Eighty-ninth street, Garden street and Grote street, Crotona Park, South, Crotona Park, North, Fairmount place, Oakland place, and Southern boulevard; also, Lots Nos. 49 and 51 in Block No. 3,079; also, Lots Nos. 71, 73, 74, 80, 82, 83 and 84 in Block No. 3,083; also, Lots Nos. 4 and 8 in Block No. 3,084; also, Lots Nos. 28, 41, 44 and 50 in Block No. 3,098; also, Lots Nos. 6 and 7 in Block No. 3,101.

—that the same was confirmed by the Board of Revision of Assessments on June 24, 1902, and entered on June 24, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments, and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019, of said Greater New York Charter. Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section one hundred and fifty-nine of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third Avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon, on or before August 23, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 24, 1902. j26,july10.

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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF QUEENS:

**FIRST WARD.**  
**VAN ALST AVENUE—SEWER,** between Flushing and Hoyt avenues. Area of assessment: Both sides of Van Alst avenue, from Flushing avenue to Hoyt avenue; both sides of Well place, from Flushing avenue to North Washington place; both sides of North Washington place, from Van Alst avenue to Hallett street; both sides of St. John's place, extending about 178 feet west of Van Alst avenue; both sides of North William street, extending about 170 feet west of Van Alst avenue; both sides of Flushing avenue, from Van Alst avenue to a point distant about 162 feet east of Crescent avenue; both sides of Newtown avenue, from Van Alst avenue to Rapelle avenue; both sides of Winslow place, extending about 215 feet east of Debevoise avenue; both sides of Crescent avenue, from Newtown avenue to Flushing avenue; both sides of North Henry street, extending about 352 feet north of Newtown avenue; both sides of Isabella place, from a point distant about 165 feet north of Newtown avenue and extending northerly about 165 feet; both sides of Carver street, extending about 370 feet north of Newtown avenue; both sides of Debevoise avenue, extending about 350 feet north of Newtown avenue; both sides of Rapelle avenue, from Vandeventer avenue to a point distant about 408 feet south of Grand avenue; both sides of Briell street, from a point distant about 315 feet north of Grand avenue to a point distant about 295 feet south of Grand avenue; both sides of Bartow street, extending about 252 feet south of Grand avenue; both sides of Blackwell street, from a point distant about 300 feet north of Grand avenue to a point distant about 308 feet south of Grand avenue; both sides of Pomeroy street, from a point distant about 345 feet north of Grand avenue to a point distant about 308 feet south of Grand avenue; both sides of Kouwenhoven street, from a point distant about 285 feet north of Grand avenue to a point distant about 428 feet south of Grand avenue; both sides of Grand avenue, from Rapelle avenue to Steinway avenue.

—that the same was confirmed by the Board of Revision of Assessments on June 24, 1902, and entered on June 24, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments, and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019, of said Greater New York Charter. Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section one hundred and fifty-nine of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, No. 372 Richmond terrace, New Brighton, Borough of Richmond, between the hours of 9 a. m.

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 one hundred and fifty-nine of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, No. 51 Jackson avenue, Long Island City, Borough of Queens, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon, on or before August 23, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 24, 1902. j26,july10.

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 street in the BOROUGH OF THE BRONX:

**TWENTY-THIRD WARD, SECTION 9 AND 10.**  
**EAST ONE HUNDRED AND THIRTIETH STREET—OPENING,** from St. Ann's avenue to East One Hundred and Thirty-first street. Confirmed May 23, 1902, entered June 23, 1902. Area of assessment: All those lands, tenements and hereditaments and premises, lying 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 formed by the intersection of the United States pier and bulkhead line of the Bronx kills with the easterly side of Brook avenue, running thence northerly along the said easterly side of Brook avenue to the southerly side of the Southern boulevard; thence easterly along said southerly side of the Southern boulevard to the southerly side of East One Hundred and Thirty-fourth street; thence easterly along the said southerly side of East One Hundred and Thirty-fourth street to the middle line of the block between Willow and Walnut avenues; thence southerly along the said middle line of the block to its intersection with the middle line of the block between East One Hundred and Thirty-first street and East One Hundred and Thirty-second street; thence easterly along the said middle line of the block and its prolongation easterly to the United States pier and bulkhead line of the East river; thence southwesterly along the said pier and bulkhead line to the easterly prolongation of the middle line of the block, between East One Hundred and Thirty-first street and East One Hundred and Thirtieth street; thence westerly along the said easterly prolongation and middle line of the block to the middle line of the block between Walnut avenue and Willow avenue; thence southerly along said middle line of the block to the United States pier and bulkhead line of the Bronx kills; thence westerly along said pier and bulkhead line to the point or place of beginning.

The above-entitled assessment was entered on the date heretofore given in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents. Unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1006 of the Greater New York Charter.

Said section provides that "If any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears, at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, corner of One Hundred and Seventy-seventh street and Third Avenue, Borough of The Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon, on or before August 23, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

EDWARD M. GROUT, Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE, COMPTROLLER'S OFFICE, JUNE 23, 1902. j25,july10.

NOTICE TO PROPERTY OWNERS.

IN PURSUANCE OF SECTION 1018 OF THE Greater New York Charter, the Comptroller of The City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

**TWENTY-THIRD AND TWENTY-FOURTH WARDS, SECTION 11.**  
**BOONE STREET—REGULATING, GRADING, CURBING, FLAGGING AND LAYING CROSSWALKS,** from Freeman street to Woodruff street. Area of assessment: Both sides of Boone street, between Freeman street and One Hundred and Seventy-sixth street, and to the extent of one-half the blocks on One Hundred and Seventy-fourth street, One Hundred and Seventy-sixth street and Jennings street and West Farms road, and including lots Nos. 78 and 79 in block No. 3006; lots Nos. 25, 27, 49 and 53 in block No. 3014; and lots Nos. 27, 29, 97, 98 and 99 in block No. 3015.

**WENDOVER AVENUE—SEWERS,** both sides, from the existing sewer in Third avenue to Fulton avenue; also, **FULTON AVENUE—SEWER,** between East One Hundred and Seventieth street and St. Paul's place, and between Wendover avenue and East One Hundred and Seventy-fifth street. Area of assessment: Both sides of Crotona Park south, between Fulton avenue and Franklin avenue; west side of Franklin avenue, between One Hundred and Seventieth

street and Crotona Park South; both sides of Fulton avenue, between One Hundred and Seventeenth street and One Hundred and Seventy-ninth street, and both sides of Wendover avenue, between Third avenue and Fulton avenue; also, lots Nos. 1, 4, 6, 28, 30, 32, 36 and 39 in block No. 2937.

**TWENTY-FOURTH WARD, SECTION 11.**  
**EAST ONE HUNDRED AND EIGHTY-SECOND STREET—REGULATING, GRADING, CURBING, FLAGGING AND LAYING CROSS-WALKS,** from Aqueduct avenue to Jerome avenue. Area of assessment: Both sides of One Hundred and Eighty-second street, between Aqueduct avenue and Jerome avenue, and to the extent of one-half the blocks on Davidson avenue, Grand avenue and Aqueduct avenue.

**LAFONTAINE AVENUE—SEWER,** between East One Hundred and Eighty-third street and Quarry road. Area of assessment: Both sides of Lafontaine avenue, between One Hundred and Eighty-third street and Quarry road; also, east side of Quarry road, between One Hundred and Eighty-first street and Oak Tree place.

**TWENTY-FOURTH WARD, SECTION 12.**  
**EAST TWO HUNDRED AND THIRD STREET—SEWER,** between Moshola Parkway South and the Concourse; **BRIGGS AVENUE—SEWER,** between Moshola Parkway South and East Two Hundred and First street; **EAST TWO HUNDRED AND SECOND STREET—SEWER,** between Briggs avenue and the Concourse; **VILLA AVENUE—SEWER,** between East Two Hundredth street and Van Courtlandt avenue; also, **JEROME AVENUE—SEWER,** between the street summit situated south of East One Hundred and Ninety-ninth street and the street summit situated north of Van Courtlandt avenue. Area of assessment: Both sides of Two Hundred and Second street from the Concourse to Briggs avenue; both sides of Two Hundred and Third street from the Concourse to Moshola Parkway South; east side of the Concourse from Two Hundred and First street to Two Hundred and Third street; both sides of Valentine avenue and of Briggs avenue from Two Hundred and First street to Two Hundred and Third street; both sides of Jerome avenue from a point distant about 270 feet south of One Hundred and Ninety-ninth street to a point distant about 400 feet north of Van Courtlandt avenue; both sides of Villa avenue from Two Hundredth street to Van Courtlandt avenue; both sides of Van Courtlandt avenue from Jerome avenue to the Concourse; both sides of One Hundred and Ninety-ninth street, Two Hundredth street, Two Hundred and Fourth street and Two Hundred and Fifth street from Jerome avenue to the Concourse.

—that the same were confirmed by the Board of Revision of Assessments on June 19, 1902, and entered on June 19, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of 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 in section 1019 of said Greater New York Charter. Said section provides that "if any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on 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, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of the Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 19, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became a lien to the date of payment.

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, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of the Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 18, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became a lien to the date of payment.

**EDWARD M. GROUT,**  
Comptroller.  
CITY OF NEW YORK—DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, JUNE 19, 1902.

je21,j03

**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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF BROOKLYN:

**TWENTY-FIFTH WARD.**  
**MCDONALD STREET—FLAGGING,** south side, between Rockaway avenue and Stone avenue; also, **ROCKAWAY AVENUE—FLAGGING,** east side, between McDonald street and Hull street. Area of Assessment: Lots Nos. 134 and 149 in block No. 122.

—that the same was confirmed by the Board of Assessors on June 19, 1902, and entered on June 20, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter. Said section provides that "if any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, in the Municipal Building, 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 August 19, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

**EDWARD M. GROUT,**  
Comptroller.  
CITY OF NEW YORK—DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, JUNE 20, 1902.

je21,j03

**NOTICE TO PROPERTY OWNERS.**

**IN PURSUANCE OF SECTION 1018 OF THE** Greater New York Charter, the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

**TWENTY-THIRD WARD, SECTION 10.**  
**EAST ONE HUNDRED AND FIFTY-SIXTH STREET—SEWER,** from Beach avenue to Prospect avenue. Area of assessment: Both sides of One Hundred and Fifty-sixth street, between Union avenue and Prospect avenue.

**EAST ONE HUNDRED AND SIXTY-EIGHTH STREET—REGULATING, GRADING, CURBING, FLAGGING, LAYING CROSS-WALKS AND FENCING,** from Union avenue to Prospect avenue. Area of assessment: Both sides of One Hundred and Sixty-eighth street, between Union avenue and Prospect avenue, —that the same were confirmed by the Board of Assessors on June 19, 1902, and entered on June 20, 1902, 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 in section 1019 of said Greater New York Charter. Said section provides that "if any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on 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, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of the Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 19, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became a lien to the date of payment.

**EDWARD M. GROUT,**  
Comptroller.  
CITY OF NEW YORK—DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, JUNE 20, 1902.

je21,j03

**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 MANHATTAN:

**TWELFTH WARD, SECTION 7.**  
**ONE HUNDRED AND ELEVENTH STREET—PAVING,** from Amsterdam avenue to Riverside Drive. Area of assessment: Both sides of One Hundred and Eleventh street, between Amsterdam avenue and Riverside Drive, and to the extent of one-half the blocks on Amsterdam avenue, Broadway and Riverside Drive; also, lots No. 26, 27, 28, 36, 37, 38, 40, 42, 44 and 46, in Block No. 1894.

**ONE HUNDRED AND THIRTEENTH STREET—PAVING,** between St. Nicholas avenue and Lenox avenue. Area of assessment: Both sides of One Hundred and Thirteenth street, between Lenox avenue and St. Nicholas avenue, and to the extent of one-half the blocks on the terminating avenues.

**ONE HUNDRED AND THIRTY-FOURTH STREET—REGULATING, GRADING, CURBING, FLAGGING AND BUILDING RETAINING WALL,** between Amsterdam avenue and the Boulevard. Area of assessment: Both sides of One Hundred and Thirty-fourth street, between Amsterdam avenue and the Boulevard, and to the extent of one-half the blocks on Amsterdam avenue and the Boulevard.

**ONE HUNDRED AND THIRTY-SIXTH STREET—REGULATING, GRADING, CURBING AND FLAGGING,** between Amsterdam avenue and the Boulevard. Area of assessment: Both sides of One Hundred and Thirty-sixth street, between Amsterdam avenue and the Boulevard, and to the extent of one-half the blocks on the terminating avenue, street and place.

**NINETEENTH WARD, SECTION 5.**  
**FORTY-FIRST STREET—REGULATING, GRADING, CURBING, FLAGGING AND PAVING,** from First avenue to the East river. Area of assessment: Both sides of Forty-first street, between First avenue and the East river, and to the extent of one-half the blocks on First avenue and the East river.

—that the same were confirmed by the Board of Revision of Assessments on June 19, 1902, and entered on June 19, 1902, 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 in section 1019 of said Greater New York Charter. Said section provides that "if any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on 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, Room No. 85, No. 280 Broadway, Borough of Manhattan, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 18, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became a lien to the date of payment.

**EDWARD M. GROUT,**  
Comptroller.  
CITY OF NEW YORK—DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, JUNE 19, 1902.

je21,j03

**NOTICE TO PROPERTY OWNERS.**

**IN PURSUANCE OF SECTION 1018 OF THE** Greater New York Charter, the Comptroller of the City of New York hereby gives public notice to all persons, owners of property, affected by the following assessments for LOCAL IMPROVEMENTS in the BOROUGH OF BROOKLYN:

**TWELFTH WARD, SECTION 2.**  
**OTSEGO STREET—SEWER,** between Loraine street and Sigourney street. Area of assessment: Both sides of Otsego street, from Beard street to Loraine street; both sides of Greener street, extending about 161 feet east of Otsego street; both sides of Bay street, extending about 200 feet east of Otsego street; both sides of Sigourney street, extending about 219 feet east of Otsego street; both sides of Halleck street, extending about 250 feet east of Otsego street; both sides of Beard street, extending about 255 feet west of Otsego street; both sides of Coffey street, extending about 103 feet west of Otsego street; north side of Van Dyke street, extending about 123 feet west of Otsego street.

**EIGHTEENTH WARD.**  
**MESEROLE STREET—SEWER,** between Bushwick place and Waterbury street; also, **WATERBURY STREET—OUTLET, SEWER,** from Meserole street to Johnson avenue. Area of assessment: East side of Waterbury street, between Meserole street and Johnson avenue; west side of Waterbury street, between Scholes street and Johnson avenue, and both sides of Meserole street, between Waterbury street and Bushwick place.

**TWENTY-EIGHTH WARD.**  
**GREENE AVENUE—FENCING,** northwest side, between Irving avenue and Wyckoff avenue. Area of assessment: Lot No. 41 of block No. 86.  
**STANHOPE STREET—REGULATING, GRADING, CURBING, FLAGGING AND PAVING,** from Wyckoff avenue to St. Nicholas avenue. Area of assessment: Both sides of Stanhope street, between Wyckoff avenue and St. Nicholas avenue, and to the extent of one-half the blocks on the terminating avenues.

**TWENTY-NINTH WARD.**  
**EAST TWELFTH STREET—BASIN,** at the southwest corner of Beverly road. Area of assessment: South side of Beverly road, between East Eleventh street and East Twelfth street; also, Lots No. 76, 88 and 89 in block No. 234.

—that the same were confirmed by the Board of Revision of Assessments on June 19, 1902, and entered on June 19, 1902, 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 in section 1019 of said Greater New York Charter. Said section provides that "if any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on 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, 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 August 18, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessments became a lien to the date of payment.

**EDWARD M. GROUT,**  
Comptroller.  
CITY OF NEW YORK—DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, JUNE 19, 1902.

je21,j03

**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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF RICHMOND:

**SECOND WARD.**  
**MARION AVENUE—REGULATING, GRADING AND PAVING,** from Cebra avenue to Occident avenue. Area of assessment: Both sides of Marion avenue, from Cebra avenue to Occident avenue, and to the extent of one-half the blocks on the terminating avenues.

—that the same was confirmed by the Board of Revision of Assessments on June 16, 1902, and entered on June 16, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter. Said section provides that "if any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof on the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated to the date of payment from the date when such assessment became a lien, as provided by section 159 of this act."

Section 159 of this act provides \* \* \* "An assessment shall become a lien upon the real estate affected thereby ten days after its entry in the said record."

The above assessment is payable to the Collector of Assessments and Arrears at the Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments and of Water Rents, No. 372 Richmond terrace, New Brighton, Borough of Richmond, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 15, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

**EDWARD M. GROUT,**  
Comptroller.  
CITY OF NEW YORK—DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, JUNE 16, 1902.

je21,j03

**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 assessment for LOCAL IMPROVEMENTS in the BOROUGH OF THE BRONX:

**TWENTY-THIRD WARD, SECTION 10.**  
**TIFFANY STREET—REGULATING, GRADING, CURBING, FLAGGING, LAYING CROSS-WALKS, BUILDING APPROACHES AND FENCING,** from Intervale avenue to the East river. Area of assessment: Both sides of Tiffany street, between Intervale avenue and the East river, and to the extent of one-half the blocks on the intervening, intersecting and terminating streets, avenues and the East river; also, Lots No. 5, 30 and 35 in Block No. 2738.

—that the same was confirmed by the Board of Assessors on June 26, 1902, and entered on June 27, 1902, in the Record of Titles of Assessments, kept in the Bureau for the Collection of Assessments and Arrears of Taxes and Assessments and of Water Rents, and unless the amount assessed for benefit on any person or property shall be paid within sixty days after the date of said entry of the assessment, interest will be collected thereon, as provided in section 1019 of said Greater New York Charter. Said section provides that "if any such assessment shall remain unpaid for the period of sixty days after the date of entry thereof in the said Record of Titles of Assessments, it shall be the duty of the officer authorized to collect and receive the amount of such assessment to charge, collect and receive interest thereon at the rate of seven per centum per annum, to be calculated 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, corner of One Hundred and Seventy-seventh street and Third avenue, Borough of the Bronx, between the hours of 9 a. m. and 2 p. m., and on Saturdays from 9 a. m. to 12 m., and all payments made thereon on or before August 26, 1902, will be exempt from interest, as above provided, and after that date will be subject to a charge of interest at the rate of seven per centum per annum from the date when above assessment became a lien to the date of payment.

**EDWARD M. GROUT,**  
Comptroller.  
CITY OF NEW YORK, DEPARTMENT OF FINANCE,  
COMPTROLLER'S OFFICE, JUNE 27, 1902.

je30,j05

**SUPREME COURT.**

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening MACOMB'S ROAD (although not yet named by proper authority), from Jerome avenue to Aqueduct avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Courthouse, in the Borough of Manhattan, in the City of New York, on the 15th day of July, 1902, at 10.30 o'clock in the forenoon of that day or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 990 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 30, 1902.  
**GEO. CARLTON COMSTOCK,**  
**OBED H. SANDERSON,**  
**JULIUS STICH,**  
Commissioners.

**JOHN P. DUWA,**  
Clerk. je30,j05

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening PLIMPTON AVENUE (although not yet named by proper authority), from Boscobel avenue to Featherbed lane, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Courthouse, in the Borough of Manhattan, in the City of New York, on the 15th day of July, 1902, at 10.30 o'clock in the forenoon of that day or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 990 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 30, 1902.  
**DAVID McCLURE,**  
**D. M. KOEHLER,**  
**WILLIAM H. BARKER,**  
Commissioners.

**JOHN P. DUWA,**  
Clerk. je30,j05

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonality of the City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening BROADWAY (although not yet named by proper authority), from its present southerly terminus to the southern line of Van Courtlandt Park, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** supplemental and additional 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, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 14th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 28, 1902.

GROSVENOR S. HUBBARD,  
WILLIS HOLLY,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs8,julo

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening **MCCLELLAN STREET** (although not yet named by proper authority), from Jerome avenue to Morris avenue, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-third Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** supplemental and additional 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, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 14th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 28, 1902.

ASPINWALL HODGE, Jr.,  
MICHAEL COLEMAN,  
EMANUEL BLUMENSTIEL,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs8,julo

**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, to **WEST ONE HUNDRED AND EIGHTY-FIFTH STREET** (although not yet named by proper authority), from Amsterdam avenue easterly to the new avenue east of Amsterdam avenue, in the Twelfth Ward, Borough of Manhattan, of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 14th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 28, 1902.

JAMES J. FITZGERALD,  
HUGO F. HOEFLER,  
WAUHOPE LYNN,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs8,julo

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening **MORRIS AVENUE** (although not yet named by proper authority), from the east side of the Grand Boulevard and Concourse, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-third and Twenty-fourth Wards of The City of New York.

**WE, THE UNDERSIGNED, COMMISSIONERS** of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this 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 we have completed our estimate of assessment for benefit, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections, in writing, duly verified, to us at our office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in the City of New York, on or before the 18th day of July, 1902, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 22d day of July, 1902, at 1 o'clock p. m.

Second—That the abstract of our said assessment, together with our benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said city, there to remain until the 25th day of July, 1902.

Third—That, pursuant to the notice heretofore given when we filed our estimate of damage, the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying 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 formed by the intersection of a line parallel to and 100 feet southeasterly from the southeasterly line of Courtlandt

avenue with a line parallel to and 100 feet southwesterly from the southwesterly line of East One Hundred and Forty-ninth street; running thence northwesterly along said last-mentioned parallel line to its intersection with the southeasterly line of Spencer place; thence northwesterly along a straight line to a point formed by the intersection of the northwesterly line of East One Hundred and Fifty-third street with a line parallel to and 100 feet northwesterly from the northwesterly line of Sheridan avenue; thence northwesterly along said parallel line to its intersection with a line parallel to and 100 feet southwesterly from the southwesterly line of Belmont street; thence northwesterly along said last-mentioned parallel line to its intersection with a line parallel to and 100 feet northwesterly from the northwesterly line of Walton avenue; thence northwesterly along said last-mentioned parallel line to its intersection with the southwesterly line of Burnside avenue; thence in a general direction southeasterly along said southwesterly line of Burnside avenue to its intersection with a line parallel to and 100 feet southeasterly from the southeasterly line of Grand Boulevard and Concourse; thence southwesterly along said parallel line to its intersection with a line parallel to and 100 feet easterly from the westerly line of Monroe avenue; thence southerly along said last-mentioned parallel line to its intersection with a line parallel to and 100 feet southerly from the southerly line of Belmont street; thence westerly along said last-mentioned parallel line to its intersection with a line parallel to and 100 feet northwesterly from the northwesterly line of Teller avenue; thence southeasterly, southerly and southwesterly along said parallel line to its intersection with the northwesterly prolongation of a line parallel to and 100 feet northwesterly from the northwesterly line of East One Hundred and Sixty-second street; thence southeasterly along said last-mentioned prolongation and parallel line and its southeasterly prolongation to its intersection with a line parallel to and 100 feet southwesterly from the southeasterly line of Courtlandt avenue; thence southwesterly along said last-mentioned parallel line to the point or place of beginning, as such streets are shown upon the final maps and profiles of the Twenty-third and Twenty-fourth Wards of The City of New York, excepting from said area all streets, avenues and roads, or portions thereof, heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our last partial and separate report 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 7th day of October, 1902, at the opening of the Court on that day.

Dated Borough of Manhattan, New York, May 2, 1902.

JULIUS M. MAYER,  
Chairman;  
CHARLES L. GUY,  
LORENZO S. PALMER,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs8,july

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York, acting by and through the Board of Docks, relative to acquiring right and title to and possession of the wharfage rights, terms, easements, emoluments and privileges appurtenant to Pier, old No. 15, East river, not now owned by The City of New York, and all right, title and interest in and to said pier, or any portion thereof not now owned by The City of New York, to be taken for the improvement of the water front of The City of New York, on the East river at or near Wall street, pursuant to the plan heretofore adopted by the said Department of Docks and approved by the Commissioners of the Sinking Fund.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses, together with a statement of the amounts previously taxed, to whom the same were payable and the date of such taxation, 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, First Department, at a Special Term thereof, Part I, to be held in and for the City and County of New York, at the County Court-house, in the City of New York, on the 10th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon, and that said bill of costs, charges and expenses, together with said statement, has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated New York, June 26, 1902.

RICH. M. HENRY,  
Chairman;  
HENRY THOMPSON,  
CHAS. J. MCKEON,  
Commissioners.

JOSEPH M. SCHENCK,  
Clerk. jcs7,julo

**FIRST DEPARTMENT.**

In the matter of the application of The City of New York, acting by and through the Board of Docks, relative to acquiring right and title to and possession of the wharfage rights, terms, easements, emoluments and privileges appurtenant to Pier, old No. 15, East river, not now owned by The City of New York, and all right, title and interest in and to said pier or any portion thereof, not now owned by The City of New York, necessary to be taken for the improvement of the water front of The City of New York on the East river, at or near Old Slip, pursuant to the plan heretofore adopted by the Board of Docks and approved by the Commissioners of the Sinking Fund.

**WE, THE UNDERSIGNED, COMMISSIONERS** of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, occupant or occupants, of all houses and lots and improved and unimproved lands, pier or wharf property, and all persons interested therein, or in any rights, privileges or interests pertaining thereto, affected thereby, and to all others whom it may concern, to wit:

First—That we have completed our estimate and assessment, and that all persons interested in this proceeding or in any of the uplands, lands, lands under water, premises, buildings, tenements, hereditaments, pier and wharf property affected thereby, and having objections thereto, do present their said objections in writing, duly verified, to us, at our office, Rooms Nos. 401 and 258 Broadway, in the Borough of Manhattan, in The City of New York, on or before the 17th day of July, 1902, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 21st day of July, 1902, at 2 o'clock in the afternoon of that day.

Second—That the abstract of our said estimate and assessment, together with our Damage Maps, and also all the affidavits, estimates, proofs and other documents used by us in making our report, have been deposited in the Bureau of Street Openings, in the Law Department of the City of New York, at the office of said Bureau, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said city, there to remain until the 25th day of July, 1902.

Third—That our report herein will be presented to the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held in the County Court-house, in the Borough of Manhattan, in the City of New York, on the 30th day of July, 1902, at the opening of the court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated, Borough of Manhattan, New York City, June 25, 1902.

P. F. TRAINOR,  
Chairman;  
HENRY THOMPSON,  
JOHN McGRATH,  
Commissioners.

JOSEPH M. SCHENCK,  
Clerk. jcs7,julo

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening **DALY AVENUE** (although not yet named by proper authority), from East One Hundred and Seventy-sixth street (Woodruff street) to East One Hundred and Eighty-second street (Kingsbridge road), as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 10th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 26, 1902.

JOHN DEWITT WARNER,  
T. F. HASCALL,  
JOHN FORD,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs6,jul8

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening **EAST ONE HUNDRED AND SIXTY-SEVENTH STREET** (although not yet named by proper authority), from Sheridan avenue to the New York and Harlem Railroad, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-third Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 10th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 26, 1902.

ORED H. SANDERSON,  
DANIEL O'CONNELL,  
RIGNAL D. WOODWARD,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs6,jul8

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening **FORDHAM ROAD** (although not yet named by proper authority), from East One Hundred and Eighty-ninth street to Kingsbridge road, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 10th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 26, 1902.

H. L. NELSON,  
CHARLES K. BEEKMAN,  
WM. J. BROWNE,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs6,jul8

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening **KINGSBRIDGE**

**ROAD** (although not yet named by proper authority), from Webster avenue to the Harlem river, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** supplemental and additional 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, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 10th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 26, 1902.

H. B. CLOSSON,  
WM. J. BROWNE,  
H. L. NELSON,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs6,jul8

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening **NELSON AVENUE** (although not yet named by proper authority), from Roscobel avenue to Feathered lane, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 10th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 26, 1902.

WILBER McBRIDE,  
W. ENDEMANN,  
WILLIAM S. ANDREWS,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs6,jul8

**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, to **HARLEM RIVER TERRACE** from the northern line of the land ceded November 27, 1891 (as Heath avenue and Bailey avenue), also **HEATH AVENUE** (although not yet named by proper authority), from Bailey avenue to Fort Independence street, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 14th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 28, 1902.

BENNO LEWINSON,  
Chairman;  
JOHN E. CONNOLLY,  
EDWARD R. FINCH,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs8,julo

**FIRST DEPARTMENT.**

In the matter of the application of The Mayor, Aldermen and Commonalty of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening **EAST ONE HUNDRED AND EIGHTY-FIRST STREET** (formerly Ponus street), (although not yet named by proper authority), from the Southern Boulevard to the Bronx Park, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

**NOTICE IS HEREBY GIVEN THAT THE** supplemental and additional 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, First Department, at a Special Term thereof, Part I, to be held at the County Court-house, in the Borough of Manhattan, in the City of New York, on the 14th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated Borough of Manhattan, New York, June 28, 1902.

G. M. SPEIR,  
THOS. J. McMANUS,  
WM. J. BROWNE,  
Commissioners.

JOHN P. DUNN,  
Clerk. jcs8,julo

FIRST DEPARTMENT.

In the matter of the application of the Mayor, Aldermen and Commonality of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening KELLY STREET (although not yet named by proper authority) from Prospect Avenue to Intervale Avenue, between East One Hundred and Sixty-seventh street and East One Hundred and Sixty-ninth street, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-third Ward of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 9th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated, Borough of Manhattan, New York, June 24, 1902.

FRANK E. HIPPLE, E. F. WOKAL, WM. T. McGRATH, Commissioners.

JOHN P. DUNN, Clerk.

FIRST DEPARTMENT.

In the matter of the application of the Mayor, Aldermen and Commonality of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening AQUEDUCT AVENUE (although not yet named by proper authority) from Lind Avenue to Kingsbridge Road, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional 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, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 9th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated, Borough of Manhattan, New York, June 24, 1902.

GEO. CARLTON COMSTOCK, WM. G. ROSS, GEO. L. NICHOLS, Commissioners.

JOHN P. DUNN, Clerk.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonality of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening GARDEN STREET (although not yet named by proper authority), from Grote Street to the Southern Boulevard, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 8th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated, Borough of Manhattan, New York, June 23, 1902.

THEODORE E. SMITH, CHARLES GERLICH, JOHN M. DAILY, Commissioners.

JOHN P. DUNN, Clerk.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonality of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening GROTE STREET (although not yet named by proper authority), from East One Hundred and Eighty-second Street to Southern Boulevard, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 8th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated, Borough of Manhattan, New York, June 23, 1902.

FRANK D. ARTHUR, THEODORE E. SMITH, HENRY H. SHERMAN, Commissioners.

JOHN P. DUNN, Clerk.

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, to EAST ONE HUNDRED AND FIFTY-EIGHTH STREET (although not yet named by proper authority), from German Place to St. Ann's Avenue, in the Twenty-third Ward, of The Borough of The Bronx, of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 8th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated, Borough of Manhattan, New York, June 23, 1902.

LOUIS COHEN, PHINEAS LEWINSON, WALTER MULLER, Commissioners.

JOHN P. DUNN, Clerk.

SUPREME COURT, KINGS COUNTY.

In the matter of the application of the Board of Education, by the Corporation Counsel of The City of New York, relative to acquiring title by The City of New York to certain lands situate on Easterly side of WEST THIRD STREET south of Sheepshead Bay road in the Thirty-first Ward of the Borough of Brooklyn, duly selected and chosen as a site for school purposes by the School Board of the Borough of Brooklyn and approved by the Board of Education under and in pursuance of the provisions of chapter 378 of the Laws of 1897, and the various statutes amendatory thereof and other statutes relating thereto.

WE, THE UNDERSIGNED, COMMISSIONERS of Estimate in the above-entitled matter, appointed pursuant to the provisions of the statutes relating thereto, hereby give notice to the owner or owners, lessee or lessees, parties or persons respectively entitled to or interested in the lands, tenements, hereditaments and premises, title to which is sought to be acquired in this proceeding, and to all others whom it may concern, to wit:

First.—That we have completed our estimate of the loss and damage to the respective owners, lessees, parties and persons interested in the lands or premises affected by this proceeding or having any interest therein, and have filed a true report or transcript of such estimate in the office of the Board of Education of The City of New York, at Park Avenue and Fifty-ninth Street, in the Borough of Manhattan, City of New York, for the inspection of whomsoever it may concern.

Second.—That all parties or persons whose rights may be affected by the said estimate and who may object to the same or any part thereof, may within ten days after the first publication of this notice, June 20, 1902, file their objections to such estimate, in writing, with us, at our office in the office of the Corporation Counsel of The City of New York, in the Borough Hall, in the Borough of Brooklyn, in said city, as provided by statute, and that we, the said Commissioners, will hear parties so objecting at our office, on the 3d day of July, 1902, at 11 o'clock in the forenoon, and upon such subsequent days as may be found necessary.

Third.—That our report herein will be presented to the Supreme Court of the State of New York at a Special Term thereof for the hearing of motions, to be held in the Kings County Courthouse in the Borough of Brooklyn, in The City of New York, on the 16th day of July, 1902, at the opening of the court on that day; and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated the Borough of Brooklyn, June 20, 1902.

EDWARD S. POWLER, JAMES E. ADAMS, SOLON BARBANELL, Commissioners.

GEORGE T. KINGS, Clerk.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to FIFTY-FOURTH STREET from the former City Line to Fort Hamilton Avenue, in the Thirtieth Ward in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT WE, the undersigned, were appointed by an order of the Supreme Court made and entered herein on the eleventh day of September, 1901, and duly filed in the office of the Clerk of Kings County, a copy of which order was filed in the office of the Register of the County of Kings on the 19th day of September, 1901, and indexed in the Index of Conveyances in section 3, Blocks 818, 826; also section 17, Blocks 5605, 5672, 5666, 5673, 5667, 5674. Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate of the loss or damage, if any, to the respective owners, lessees, parties and persons entitled to or interested in the lands and premises to be taken for the purpose of opening the said street or avenue, as particularly described in the petition of The City of New York, filed with said order in the office of the Clerk of Kings County, and for the purpose of making a just and equitable assessment of the benefit of said street or avenue so to be opened, to the respective owners, parties and persons respectively entitled to or interested in the lands and premises and not required for the purpose of opening said street or avenue, but benefited thereby, and of ascertaining and defining the district benefited by said assessment, and the extent and boundaries of the respective tracts and parcels of land participating in said benefit, and of performing the trusts and duties required of us by title 4 of Chapter XVII of the Charter of The City of New York, and the acts or parts of acts supplementary thereto or amendatory thereof.

All parties and persons interested in the lands and premises taken or to be taken for the purpose of opening said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office in the Bureau of Street Openings of the Law Department, Borough Hall, Borough of Brooklyn, in The City of New York, with such affidavits or other proofs as the said owner or claimants may desire, within twenty days after date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 15th day of July, 1902, at 11 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto; and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine proofs of such claim.

And we, the said Commissioners, will be in attendance at our said office on the 15th day of July, 1902, at 11 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto; and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine proofs of such claim.

And we, the said Commissioners, will be in attendance at our said office on the 15th day of July, 1902, at 11 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto; and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of The City of New York.

Dated, Borough of Brooklyn, The City of New York, June 19, 1902.

GEO. J. MAY, FRED'K. I. PEARSALL, JOHN B. REILLY, Commissioners.

CHARLES S. TABER, Clerk.

JU 10, JU 17.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to AVENUE K, from East Sixteenth Street to East Eighteenth Street, in the Thirty-first and Thirty-second Wards, in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT we, the undersigned, were appointed by an order of the Supreme Court made and entered herein on the 11th day of September, 1901, and duly filed in the office of the Clerk of Kings County, a copy of which order was filed in the office of the Register of the County of Kings on the 14th day of September, 1901, and indexed in the Index of Conveyances in section 20, Blocks 6717, 6718, 6719, 6720, 6726, 6727, 6728, 6729, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate of the loss or damage, if any, to the respective owners, lessees, parties and persons entitled to or interested in the lands and premises to be taken for the purpose of opening the said street or avenue, as particularly described in the petition of The City of New York, filed with said order in the office of the Clerk of Kings County, and for the purpose of making a just and equitable assessment of the benefit of said street or avenue so to be opened, to the respective owners, parties and persons respectively entitled to or interested in the lands and premises and not required for the purpose of opening said street or avenue, but benefited thereby, and of ascertaining and defining the district benefited by said assessment, and the extent and boundaries of the respective tracts and parcels of land participating in said benefit, and of performing the trusts and duties required of us by title 4 of Chapter XVII of the Charter of The City of New York, and the acts or parts of acts supplementary thereto or amendatory thereof.

All parties and persons interested in the lands and premises taken or to be taken for the purpose of opening said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office in the Bureau of Street Openings of the Law Department, Borough Hall, Borough of Brooklyn, in The City of New York, with such affidavits or other proofs as the said owner or claimants may desire, within twenty days after date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 15th day of July, 1902, at 1 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto; and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of The City of New York.

Dated, Borough of Brooklyn, The City of New York, June 19, 1902.

BERTRAM N. MANNE, JOS. F. TOBIN, Commissioners.

CHARLES S. TABER, Clerk.

JU 10, JU 17.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to THIRTIETH AVENUE, from Seventy-third Street to Eighty-sixth Street, in the Thirtieth Ward in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT WE, the undersigned, were appointed by an order of the Supreme Court made and entered herein on the 11th day of September, 1901, and duly filed in the office of the Clerk of Kings County, a copy of which order was filed in the office of the Register of the County of Kings on the 14th day of September, 1901, and indexed in the Index of Conveyances in Section 19, Blocks 6255, 6256, 6243, 6244, 6232, 6233, 6221, 6222, 6210, 6211, 6199, 6200, 6338, 6339, 6321, 6322, 6308, 6309, 6302, 6303, 6291, 6292, 6270, 6280, 6267, 6268, Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate of the loss or damage, if any, to the respective owners, lessees, parties and persons entitled to or interested in the lands and premises to be taken for the purpose of opening the said street or avenue, as particularly described in the petition of The City of New York, filed with said order in the office of the Clerk of Kings County, and for the purpose of making a just and equitable assessment of the benefit of said street or avenue so to be opened, to the respective owners, parties and persons respectively entitled to or interested in the lands and premises and not required for the purpose of opening said street or avenue, but benefited thereby, and of ascertaining and defining the district benefited by said assessment, and the extent and boundaries of the respective tracts and parcels of land participating in said benefit, and of performing the trusts and duties required of us by title 4 of Chapter XVII of the Charter of The City of New York, and the acts or parts of acts supplementary thereto or amendatory thereof.

All parties and persons interested in the lands and premises taken or to be taken for the purpose of opening said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office in the Bureau of Street Openings of the Law Department, Borough Hall, Borough of Brooklyn, in The City of New York, with such affidavits or other proofs as the said owner or claimants may desire, within twenty days after date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 15th day of July, 1902, at 11 o'clock in the forenoon of that day, to hear the said parties and persons in relation thereto; and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine proofs of such claimant or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of The City of New York.

Dated, Borough of Brooklyn, The City of New York, June 19, 1902.

BERTRAM N. MANNE, JOS. F. TOBIN, Commissioners.

CHARLES S. TABER, Clerk.

JU 10, JU 17.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening SEVENTY-FIRST STREET, from Third Avenue to Shore Road, in the Thirtieth Ward, in the Borough of Brooklyn, of The City of New York, as the same has been heretofore laid out.

WE, THE UNDERSIGNED, COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this proceeding, and to the owner or owners, lessee or lessees, of all houses and lots and improved and unimproved

ant or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of The City of New York. Dated, Borough of Brooklyn, The City of New York, June 19, 1902.

FRANK GAFFLAGHER, EDWARD A. DUBEY, JOHN H. FARRELL, Commissioners.

CHARLES S. TABER, Clerk.

JU 10, JU 17.

FIRST DEPARTMENT.

In the matter of the application of The Mayor, Aldermen and Commonality of The City of New York, relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening WENDOVER AVENUE (although not yet named by proper authority), from Third Avenue to the western line of Crotona Park, and from Boston Road to the eastern line of Crotona Park, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE supplemental and additional 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, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in The City of New York, on the 8th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said supplemental and additional bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 999 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated, Borough of Manhattan, New York, June 23, 1902.

ALFRED F. SELIGSBURG, ROBERT H. TREAMANN, FRANCIS D. HOYT, Commissioners.

JOHN P. DUNN, Clerk.

JU 23, JU 30.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening WEST STREET, from Franklin Avenue to Forty-third Street, in the Twenty-ninth and Thirtieth Wards, in the Borough of Brooklyn, of The City of New York, as the same has been heretofore laid out.

WE, THE UNDERSIGNED, COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this 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 we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objection thereto, do present their said objections in writing, duly verified, to us at our office in the office of the Law Department, Room 20, Borough Hall, in the Borough of Brooklyn, in The City of New York, on or before the 5th day of July, 1902, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 7th day of July, 1902, at 10 o'clock a. m.

Second.—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making our report, have been deposited in the Bureau of Street Openings of the Law Department of The City of New York, in the Borough of Brooklyn, in the Borough Hall, in the Borough of Brooklyn, in The City of New York, there to remain until the 14th day of July, 1902.

Third.—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying and being in the Borough of Brooklyn, in The City of New York, which, taken together, are bounded and described as follows, to-wit:

Beginning at a point where the northerly side of Forty-third Street intersects the westerly side of West Street, and running thence westerly and at right angles to West Street 100 feet; thence southerly and parallel with West Street to the southerly line of Franklin Avenue; running thence easterly along the southerly side of Franklin Avenue to a point where said southerly side of Franklin Avenue intersects a line drawn parallel to West Street and distant 100 feet easterly therefrom; running thence northerly along said line drawn parallel to West Street to a point where said line will intersect a line drawn at right angles to West Street from a point where the easterly side of West Street will intersect the northerly side of Forty-third Street, if continued across West Street; running thence westerly along said line drawn at right angles to West Street to the point where the northerly line of Forty-third Street intersects the easterly line of West Street, and running thence westerly to the point or place of beginning.

Fourth.—That our report herein will be presented to the Supreme Court of the State of New York, Second Department, at a Special Term thereof for the hearing of motions, to be held in the County Court House, in the Borough of Brooklyn, in The City of New York, on the 24th day of July, 1902, at the opening of the court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated, Borough of Brooklyn, City of New York, June 6, 1902.

JOHN H. DOUGLASS, Chairman; DANIEL J. O'BRIEN, JOS. P. O'ROURKE, Commissioners.

CHAS. S. TABER, Clerk.

JU 14, JU 21.

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to the lands, tenements and hereditaments required for the purpose of opening SEVENTY-FIRST STREET, from Third Avenue to Shore Road, in the Thirtieth Ward, in the Borough of Brooklyn, of The City of New York, as the same has been heretofore laid out.

WE, THE UNDERSIGNED, COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this 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 we have completed our estimate and assessment, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objection thereto, do present their said objections in writing, duly verified, to us at our office in the office of the Law Department, Room 20, Borough Hall, in the Borough of Brooklyn, in the City of New York, on or before the 5th day of July, 1902, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 7th day of July, 1902, at 11 o'clock a. m.

Second—That the abstract of our said estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making our report, have been deposited in the Bureau of Street Openings of the Law Department of the City of New York, in the Borough of Brooklyn, Room 20, Borough Hall, in the Borough of Brooklyn, in the City of New York, there to remain until the 14th day of July, 1902.

Third—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying 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 westerly side of Third avenue distant 100 feet northerly from the northerly side of Seventy-first street; running thence westerly and parallel with Seventy-first street to the westerly side of Second avenue; running thence northerly along the westerly side of Second avenue to the middle line of the block between Seventieth and Seventy-first streets; running thence westerly along the center line of the block between Seventieth and Seventy-first streets, to the westerly side of First avenue; running thence southerly along the westerly side of First avenue to the center line of the block between Mackay place and Seventy-first street; running thence westerly and along the center line of the block between Mackay place and Seventy-first street to the easterly side of the Shore road, and running thence southerly along the easterly side of the Shore road to a point where the same will intersect a line drawn parallel to Seventy-first street and distant 100 feet southerly therefrom; and running thence easterly and along a line drawn parallel to Seventy-first street and distant southerly 100 feet therefrom to the westerly side of Third avenue; running thence northerly along the westerly side of Third avenue to the point or place of beginning.

Fourth—That our report herein will be presented to the Supreme Court of the State of New York, Second Department, at a Special Term thereof for the hearings of motions, to be held in the County Courthouse, in the Borough of Brooklyn, in the City of New York, on the 24th day of July, 1902, at the opening of the court on that day, and that then and there, or as soon thereafter as counsel can be heard thereon, a motion will be made that the said report be confirmed.

Dated, BOROUGH OF BROOKLYN, CITY OF NEW YORK, June 6, 1902.

ALFRED H. MARQUIS, Chairman; JAMES GRAHAM, W. A. FISCHER, Commissioners.

CHAS. S. TABER, Clerk. je14:jul

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, to EAST TWO HUNDRED AND FORTY-SECOND STREET (although not yet named by proper authority), from Katonah avenue to the northern boundary of the city, in the Twenty-fourth Ward, Borough of The Bronx, of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Courthouse, in the Borough of Manhattan, in the City of New York, on the 10th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 909 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated, BOROUGH OF MANHATTAN, NEW YORK, June 26, 1902.

WILLIAM J. PYNE, THOS. CODEY, HOMER PHELPS BEACH, Commissioners.

JOHN P. DUNN, Clerk. je26:ju8.

FIRST DEPARTMENT.

In the matter of the application of the Mayor, Aldermen and Commonalty of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening GRAND AVENUE (although not yet named by proper authority), from Fordham road to Kingsbridge road, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in the City of New York, on the 9th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 909 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated, BOROUGH OF MANHATTAN, NEW YORK, June 24, 1902.

SAMUEL H. ORDWAY, JOHN W. STOCKER, LEWIS H. FREEDMAN, Commissioners.

JOHN P. DUNN, Clerk. je24:jy5

FIRST DEPARTMENT.

In the matter of the application of the Mayor, Aldermen and Commonalty of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments re-

quired for the purpose of opening CROMWELL AVENUE (although not yet named by proper authority) from East One Hundred and Fiftieth street to Jerome avenue, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-third Ward of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in the City of New York, on the 9th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 909 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated, BOROUGH OF MANHATTAN, NEW YORK, June 24, 1902.

RIGNAL D. WOODWARD, DENNIS McEVoy, G. W. THYM, Commissioners.

JOHN P. DUNN, Clerk. je24:jy5

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, to ANDREWS AVENUE (although not yet named by proper authority) from Burnside avenue to East One Hundred and Eightieth street, in the Twenty-fourth Ward, Borough of The Bronx, in The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in the City of New York, on the 9th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 909 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated, BOROUGH OF MANHATTAN, NEW YORK, June 24, 1902.

SMITH E. LANE, JAMES A. FLACK, JOHN WEGMANN, Commissioners.

JOHN P. DUNN, Clerk. je24:jy5

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, to WEST ONE HUNDRED AND FORTY-FOURTH STREET (although not yet named by proper authority), from Hamilton terrace to Convent avenue, in the Twelfth Ward, Borough of Manhattan, 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, First Department, at a Special Term thereof, Part I., to be held at the County Courthouse, in the Borough of Manhattan, in the City of New York, on the 8th day of July, 1902, at 10.30 o'clock in the forenoon of that day, or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 909 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated, BOROUGH OF MANHATTAN, NEW YORK, June 23, 1902.

ROBT. E. DEVOY, T. J. CARLETON, JR., EDWARD D. FARRELL, Commissioners.

JOHN P. DUNN, Clerk. je23:ju3

SECOND DEPARTMENT.

In the matter of the application of The City of New York, relative to acquiring title to BRIDGEWATER STREET, from Norman avenue to Meeker avenue, in the Seventeenth and Eighteenth Wards in the Borough of Brooklyn, The City of New York.

NOTICE IS HEREBY GIVEN THAT WE, the undersigned, were appointed by an order of the Supreme Court made and entered herein on the 30th day of March, 1901, and duly filed in the office of the Clerk of Kings County, a copy of which order was filed in the office of the Register of the County of Kings on the 8th day of April, 1901, and indexed in the Index of Conveyances in Section 9. Blocks 2635, 2638, 2661, 2665, 2666, 2667, 2668, 2669, 2662, 2663, 2664, and in Section 10, Blocks 2797 and 2800. Commissioners of Estimate and Assessment for the purpose of making a just and equitable estimate of the loss or damage, if any, to the respective owners, lessees, parties and persons entitled to or interested in the lands and premises to be taken for the purpose of opening the said street or avenue, as particularly described in the petition of The City of New York, filed with said order in the office of the Clerk of Kings County, and for the purpose of making a just and equitable assessment of the benefit of said street or avenue so to be opened, to the respective owners, parties and persons respectively entitled to or interested in the lands and premises and not required for the purpose of opening said street or avenue, but benefited thereby, and of ascertaining and defining the district benefited by said assessment, and the extent and boundaries of the respective tracts and parcels of land participating in said benefit, and of performing the trusts and duties required of us by Title 4 of Chapter XVII. of the Charter of The City of New York, and the acts or parts of acts supplementary thereto or amendatory thereof.

All parties and persons interested in the lands and premises taken or to be taken for the purpose of opening said street or avenue, or affected thereby, and having any claim or demand on account thereof, are hereby required to present the same, duly verified, to us, the undersigned Commissioners of Estimate and Assessment, at our office in the Bureau of Street Openings of the Law Department, Borough Hall, Borough of Brooklyn, in the City of New York, with such affidavits or other proofs as the said owner or claimants may desire, within twenty days after date of this notice.

And we, the said Commissioners, will be in attendance at our said office on the 15th day of

July, 1902, at 2 o'clock in the afternoon of that day, to hear the said parties and persons in relation thereto; and at such time and place, and at such further or other time and place as we may appoint, we will hear such owners in relation thereto, and examine proofs of such claimants or claimants, or such additional proofs and allegations as may then be offered by such owner or on behalf of The City of New York.

Dated, BOROUGH OF BROOKLYN, THE CITY OF NEW YORK, June 19, 1902.

FRANK R. DICKEY, WILLIAM J. BOGENSHUTZ, FRANK W. CUMMISKEY, Commissioners.

CHARLES S. TABER, Clerk. Je 19, Ju 12.

FIRST DEPARTMENT.

In the matter of the application of the Mayor, Aldermen and Commonalty of The City of New York, relative to acquiring title wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening HOFFMAN STREET (although not yet named by proper authority) from Belmont place to East One Hundred and Ninety-first street, as the same has been heretofore laid out and designated as a first-class street or road in the Twenty-fourth Ward of The City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter, will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Court House, in the Borough of Manhattan, in the City of New York, on the 9th day of July, 1902, at 10.30 o'clock in forenoon of that day, or as soon thereafter as Counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 909 of the Greater New York Charter, as amended by chapter 466 of the Laws of 1901.

Dated, BOROUGH OF MANHATTAN, NEW YORK, June 24, 1902.

DAVID THOMSON, HERMAN ALSBERG, PETER F. MEYER, Commissioners.

JOHN P. DUNN, Clerk. je24:jy5

FIRST DEPARTMENT.

In the matter of the application of the Mayor, Aldermen and Commonalty of The City of New York relative to acquiring title, wherever the same has not been heretofore acquired, to the lands, tenements and hereditaments required for the purpose of opening EAST ONE HUNDRED AND EIGHTY-EIGHTH STREET (although not yet named by proper authority), from Grand avenue to Sedgwick avenue, as the same has been heretofore laid out and designated as a first-class street or road, in the Twenty-fourth Ward of The City of New York.

WE, THE UNDERSIGNED, COMMISSIONERS of Estimate and Assessment in the above-entitled matter, hereby give notice to all persons interested in this 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 we have completed our supplemental and amended estimate and assessment, and that all persons interested in this proceeding, or in any of the lands, tenements and hereditaments and premises affected thereby, and having objections thereto, do present their said objections, in writing, duly verified, to us at our office, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in the City of New York, on or before the 16th day of July, 1902, and that we, the said Commissioners, will hear parties so objecting, and for that purpose will be in attendance at our said office on the 18th day of July, 1902, at 10.30 o'clock a. m.

Second—That the abstract of our said supplemental and amended estimate and assessment, together with our damage and benefit maps, and also all the affidavits, estimates, proofs and other documents used by us in making our report, have been deposited in the Bureau of Street Openings in the Law Department of The City of New York, Nos. 90 and 92 West Broadway, in the Borough of Manhattan, in said city, there to remain until the 26th day of July, 1902.

Third—That the limits of our assessment for benefit include all those lands, tenements and hereditaments and premises situate, lying 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 the point of intersection of a line drawn parallel to and distant 100 feet southwesterly from the southwesterly line of Fordham road with the easterly pierhead and bulkhead line of the Harlem river; running thence northerly along the said pierhead and bulkhead line to its intersection with a line drawn parallel to and distant 100 feet northeasterly from the northeasterly line of Fordham road; thence southeasterly, northeasterly and northerly along said last-mentioned parallel line and a line drawn parallel to and distant 100 feet westerly from the westerly line of Sedgwick avenue to its intersection with a line drawn at right angles to Sedgwick avenue from the point of intersection of the westerly line of Sedgwick avenue and a line drawn parallel to and distant 100 feet northwesterly from the northwesterly line of East One Hundred and Eighty-eighth street; thence easterly along said line drawn at right angles and northeasterly along said line drawn parallel to East One Hundred and Eighty-eighth street to the westerly line of Aqueduct avenue; thence northerly along the westerly line of Aqueduct avenue to its intersection with the northwesterly prolongation of a line drawn parallel to and distant 100 feet northwesterly from the northwesterly line of that portion of East One Hundred and Eighty-eighth street lying between Aqueduct avenue and Grand avenue; thence southeasterly along said prolongation and parallel line to the northwesterly side of the Old Croton Aqueduct; thence northeasterly along the northwesterly side of the Old Croton Aqueduct to the southwesterly line of East One Hundred and Ninety-second street; thence southeasterly along the southwesterly line of East One Hundred and Ninety-second street to its intersection with a line drawn parallel to and distant 100 feet easterly from the easterly line of Grand avenue; thence southerly along said parallel line to its intersection with a line drawn parallel to and distant 100 feet southerly from the southerly line of Fordham road; thence westerly, southwesterly and northwesterly along the southerly, southeasterly and southwesterly line of Fordham road to the point or place of beginning, as such streets are shown upon the final maps and profiles of the Twenty-third and Twenty-fourth Wards of The City of New York, existing from said area all streets, avenues and roads, or portions thereof, heretofore legally opened, as such area is shown upon our benefit maps deposited as aforesaid.

Fourth—That our supplemental and amended report herein will be presented for confirmation

to the Supreme Court of the State of New York, First Department, at a Special Term thereof, to be held in the County Court-house, in the Borough of Manhattan, in The City of New York, on the 7th day of October, 1902, at the opening of the Court on that day.

Dated, BOROUGH OF MANHATTAN, NEW YORK, April 21, 1902.

THEODORE E. SMITH, Chairman; EDWARD D. FARRELL, Commissioners.

JOHN P. DUNN, Clerk. je25:jul4

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, to ANDREWS AVENUE (although not yet named by proper authority), from East One Hundred and Eightieth street to the south line of the New York University property, in the Twenty-fourth Ward, Borough of The Bronx, City of New York.

NOTICE IS HEREBY GIVEN THAT THE bill of costs, charges and expenses incurred by reason of the proceedings in the above-entitled matter will be presented for taxation to one of the Justices of the Supreme Court of the State of New York, First Department, at a Special Term thereof, Part I., to be held at the County Courthouse, in the Borough of Manhattan, in The City of New York, on the 15th day of July, 1902, at 10.30 o'clock in the forenoon of that day or as soon thereafter as counsel can be heard thereon; and that the said bill of costs, charges and expenses has been deposited in the office of the Clerk of the County of New York, there to remain for and during the space of ten days, as required by the provisions of section 909 of the Greater New York Charter as amended by chapter 466 of the Laws of 1901.

Dated, BOROUGH OF MANHATTAN, NEW YORK, June 30, 1902.

EDWARD D. FARRELL, JULIUS HEIDERMAN, GEORGE F. SCANNELL, Commissioners.

JOHN P. DUNN, Clerk. je30:jul11

CHANGE OF GRADE DAMAGE COMMISSION.

PURSUANT TO THE PROVISIONS OF chapter 537 of the Laws of 1893, entitled "An act providing for ascertaining and paying the amount of damages to lands and buildings suffered by reason of changes of grade of streets or avenues, made pursuant to chapter 721 of the Laws of 1887, providing for the depression of railroad tracks in the Twenty-third and Twenty-fourth Wards, in The City of New York or otherwise," and the acts amendatory thereof and supplemental thereto, notice is hereby given that public meetings of the Commissioners appointed pursuant to said acts will be held at Room 8, Stewart Building, No. 280 Broadway, in The City of New York, on Monday, Wednesday and Friday of each week, at 2 o'clock P. M., until further notice.

Dated New York, April 30, 1902.

WILLIAM E. STILLINGS, CHARLES A. JACKSON, OSCAR S. BAILEY, Commissioners.

LAMONT McLOUGHLIN, Clerk.

PROPOSALS FOR BIDS AND ESTIMATES FOR THE CITY OF NEW YORK.

NOTICES 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, the 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.

Each bid or estimate shall be accompanied by the consent, in writing, of two householders or freeholders in The City of New York, or of a guaranty or surety company duly authorized by law to act as surety, and shall contain the matters set forth in the blank forms mentioned below.

No bid or estimate will be considered unless 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 to the amount of five per centum of the amount of the bond required, as provided in section 420 of the Greater New York Charter.

For particulars as to the quantity and quality of the supplies, or the nature and extent of the work, reference must be made to the specifications, schedules, plans, etc., on file in the said office of the President, Board or Department.

No bid shall be accepted from or contract awarded to any person who is in arrears to The City of New York upon debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to The City.

The contracts 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.

Plans and drawings of construction work may also be seen there. m14