

PART II.

DETAILED REPORT.

**NEW CONSTRUCTION WORK PAID FOR OUT OF
CORPORATE STOCK.**

Shore Road.

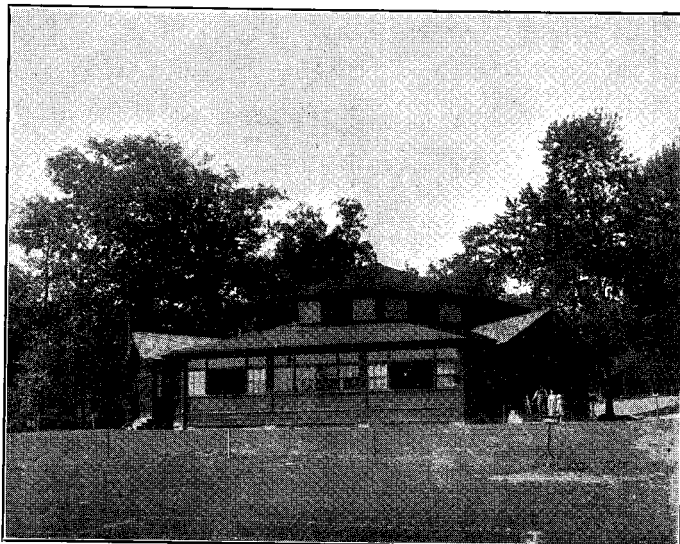
The contract for the completion of the sea wall along the Shore Road, between Latting Place and Bay Ridge Avenue, and between 92d Street and Fort Hamilton Avenue, which was begun in 1914, was practically completed during 1915. The work consisted of constructing 6,624 linear feet of granite ashlar and concrete sea wall, furnishing and placing 46,000 tons of rip-rap and 350,000 cubic yards of earth fill. The contract for the furnishing and depositing of 250,000 cubic yards of earth fill along the Shore Road, between 94th Street and Fort Hamilton Avenue, was begun during June, 1915. The work of filling in has been more than 50 per cent. completed this year.

Dreamland Park.

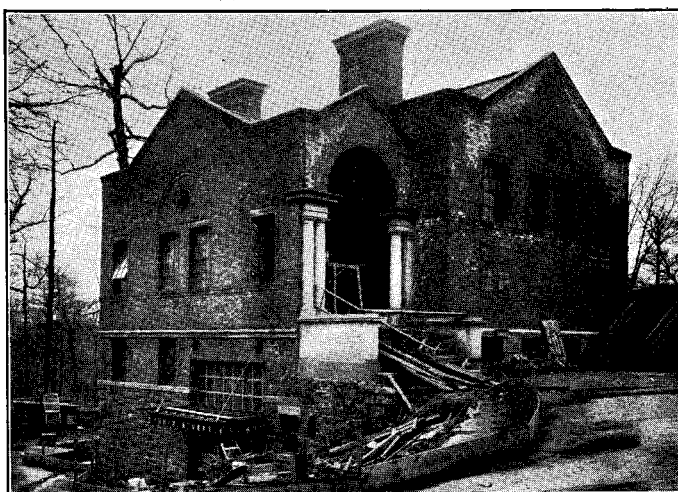
The contract for the construction of seven timber groynes along the beach front of Dreamland Park was completed during May, 1915. The cost of the work was \$11,688.60. The purpose has been to stop the washing away of the beach. Records show that since 1874 more than 30 acres of public beach at Coney Island has been lost in this way. At one point, near the foot of the Ocean Boulevard, the Shore line has receded 1,100 feet. Since these groynes have been completed they have protected the beach from erosion and have also reclaimed considerable beach lands. In the spring they will be built up further and more land reclaimed. The contract for the removal of the old timber steamboat pier in front of Dreamland Park was begun during May, 1915. This work has been approximately 70 per cent. completed this year.

Prospect Park.

The contract for the construction of an addition to the irrigation system in Prospect Park was completed during June, 1915. This addition to the water system will provide additional water supply at the entrances to Prospect Park and on the meadows. The cost of the work was \$5,873.55. The contract for constructing sanitary sewers from the Menagerie and three sewage pumping stations at the Boat House, Tennis House and Well House, Prospect Park, was completed during October, 1915. The cost of the work



New Carousel Building—Prospect Park.



New Zoo Building—Prospect Park.

was \$15,303.01. The sanitary sewers and sewage pumping stations constructed under this contract will eliminate the use of cesspools in Prospect Park.

15th Street Plaza.

The contract for the improvement of 15th Street Plaza, comprising the entire rearrangement of this plaza, the relocation of the railroad tracks, construction of a large circular plot in the centre of the plaza and paving of the roadway with sheet asphalt, was completed during October, 1915. The cost of the work was \$14,387.92.

Park Circle.

The contract for the construction of a sheet asphalt traffic road, thirty feet in width, around the perimeter of the Park Circle at Coney Island Avenue and Parkside Avenue, was completed during October, 1915, at a cost of \$4,722.51.

Betsy Head Memorial Playground.

The work on the various contracts for the Betsy Head Memorial Playground is practically completed at the end of 1915. Jurisdiction over the construction work on this playground was turned over to the Department of Parks on the 1st of October, 1915, owing to the fact that the Public Recreation Commission went out of existence on that date. These contracts involved an expenditure of \$195,470.

Brooklyn Institute.

The contract for the erection and completion of the superstructure of additions F and G, 4th section of the Central Museum Building, which had been considerably delayed owing to the abandonment of the work by the original Contractors, was completed during January, 1915; the contract for the installation of a portion of the permanent steam heating system for this building was also completed early in the year.

Brooklyn Botanic Garden.

The contract for the construction of bituminous walks in the southerly addition to the Brooklyn Botanic Garden was completed during July, 1915. The cost of the work was \$3,988.28. The contracts for the completion of the Laboratory Building and Greenhouses have been awarded and the work will be begun as soon as weather conditions permit. The cost of the work involved amounts to \$164,725.

MAINTENANCE OPERATIONS AND IMPROVEMENTS PAID FOR OUT OF YEARLY BUDGET.

The regular maintenance and operation of Park properties require a large part of the available forces of the Department. With increases in

the area and the greatly increased use of the Park properties by the Public, a corresponding increase in expenditure might be expected, but such has not resulted during the past two years. In spite of a reduction of about 20 per cent. in the funds available for this work, the operations of the Department have been greatly extended and the maintenance and care of them considerably improved. This result has been made possible only by the truly splendid manner in which the men in the Department have responded to and supported the administration in putting into effect a number of somewhat radical changes in organization and method.

During the year we maintained, cleaned and repaired thirty-six miles of Park roads and boulevards, with an area of 1,301,804 square yards; fifty-five miles of park walks, with an area of 564,048 square yards, eight miles of bridle paths; mowed and kept in condition 545 acres of lawn; operated forty-six comfort stations and six athletic field houses; maintained a "Zoo" with over 400 live exhibits; repaired and kept in condition 70 buildings, about the same number of tool houses, a large number of public monuments and twenty-six miles of park fences; cared for some 80,000 trees on city streets, in addition to the hundreds-of-thousands of trees and shrubs in the parks and playgrounds; operated a stable with from thirty to forty horses, a shop complete with mechanical organization and equipment to do any kind of construction work in the Department, and maintained greenhouses (about one acre under glass) where a continual flower show is open to the public, and where thousands of plants are grown for bedding.

The demands on the Department this year for co-operation in various celebrations, by the building and decorating of grand stands, were slightly increased. Some additional grand stands were furnished for Children's Anniversary Day, as well as the regular facilities for the Spring Festival of the Public School Girls' Athletic League, the National Holidays and the Christmas Tree Celebrations. In addition the department co-operated with the South Brooklyn Board of Trade in building a grand stand and speakers' stand for the exercises at the Bay Ridge Parkway, in connection with the opening of the Fourth Avenue Subway.

In addition to the regular work connected with maintenance and operation, the Department forces made a number of improvements of a permanent character, some of the more important of which are the following:

Bedford Park.

Extensive repairs to the Children's Museum; repainting exterior of the building and roof; installation of irrigating boxes; planting of eight Oriental Plane trees; resodding of 6,100 square feet of lawn.

Borough Hall Park.

The flagstone pavement around the park was reset and in parts replaced. Studies were made of the arrangement of flower beds and certain changes made which will improve their attractiveness.

Brooklyn Heights Parks.

Installation of permanent benches on the sidewalk facing these parks; repainting and overhauling of fountains; installation of irrigation boxes; repainting of fences.

Bensonhurst Park.

Building a pavilion on the beach affording comfortable seats and shelter; enlarging and repairing toilets; installation of irrigation boxes.

Betsy Head Playground.

This property was turned over to us during the year by the Recreation Commission and we took possession of part of the property at the end of April in time to plant the farm garden. In connection with this it was necessary for us to supplement the work of the contractor by the installation of a very considerable amount of equipment, building of fences, etc. Around the children's building we planted flower beds and vines and did everything that was practicable at that season. Later in the year we attended to the installation of complete playground apparatus in the playfield adjoining the farm garden and took charge of the maintenance and operation of the children's house and the wading pool. On the larger field we organized from Department forces the help necessary to operate the bath house, installed a temporary pond for skating rink and covered the sides and the bottom of the swimming pool with straw and tar paper to protect the tile from frost.

Bushwick Park.

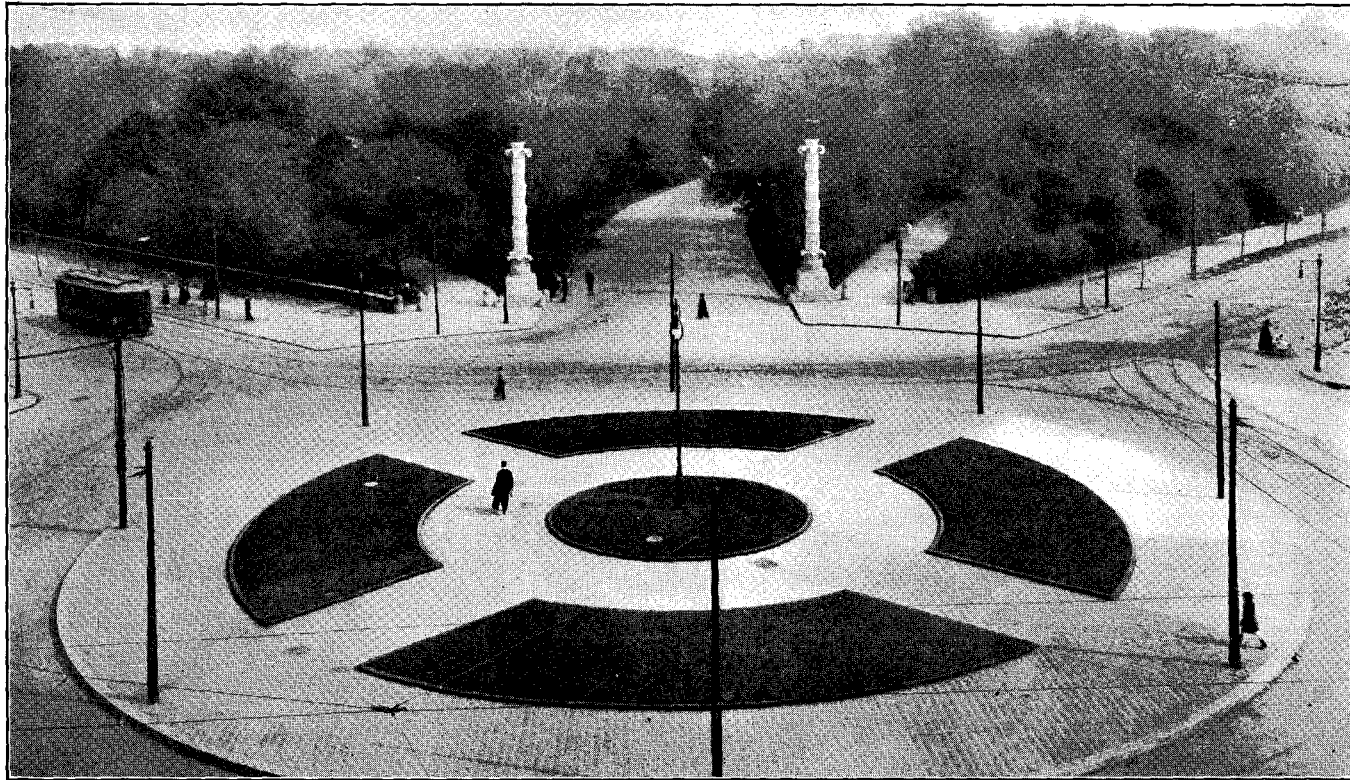
The closed shelter received a general overhauling and repairing. It was also painted outside and inside. Irrigation boxes were installed. Eight Oriental Plane trees were planted.

Bushwick Playground.

A backstop for the baseball diamond was installed; two temporary ponds for skating rinks were made; a new wading pool, 25 x 65 feet, was built by department mechanics and put into operation; eight Oriental Plane trees were planted, also five hundred and seventy shrubs and vines.

Canarsie Park.

Essential repairs were made to the roof of the old Schenck Mansion—one of the oldest and most interesting of the old Dutch houses remaining on Long Island. The building is of great interest to architects and to all persons interested in Colonial times, and, if necessary, restoration could be secured in the next few years, it should remain as a valuable historic monument.



Improvement of Plaza, 15th Street and 9th Avenue, Brooklyn.

Carroll Park.

Installation of pipe rail fence, painting of fences; installation of irrigation boxes; relaying of 3,885 square feet of sod.

City Park.

The following improvements were made: Building of an artificial pond for skating; painting of fences; building of concrete walk and curb around wading pool; installation of irrigation boxes; installation of Giant Stride and other playground apparatus; planting of thirty Sycamore trees and three hundred shrubs and relaying of 4,825 square feet of sod.

Dyker Beach Park.

Extensive drainage was done in an effort to prevent breeding of mosquitoes; the grove at the northwestern end of the park was cleared of brush and stone and made available for picnic grounds; extension was made to the sluiceway; irrigation boxes were installed.

Dreamland Beach.

The board walk was extended and the three shelter buildings were painted inside and out; two hundred and three trees were planted along the northern border, mostly Oriental Plane, Lombardy Poplars and Willows. Entrance signs were installed.

Fort Greene Park.

The Society of Old Brooklynites erected a handsome granite tablet on the Martyrs' Monument; all fences were painted as well as all the ironwork on the interior of the monument; all walls, steps and other masonry were pointed up and generally repaired; several hundred shrubs were transplanted to make more effective groupings of plantations; also about three hundred new shrubs were planted, and 6,640 square feet of sod relaid. Entrance signs were put up.

Fort Hamilton Park.

Irrigation boxes were installed, the bank and beach on the southerly side of the Shore Drive, opposite Fort Hamilton Park, was cleared of rubbish and put in condition for picnic parties.

Highland Park.

Last year the extensive use of the tennis courts had made it impossible to maintain the turf in satisfactory condition and, early in the season of 1915, the sod and top soil were removed and replaced with clay. As there were twenty-eight courts thus treated, this made an important piece of work.

We used a light dust-laying oil on these courts with most satisfactory results. At the north westerly corner of the park one hundred granite steps with ramps were placed, leading from the lower level to Highland Boulevard. This improvement had been very much needed, and appears to be greatly appreciated. Irrigation boxes were installed. The old Dutch Mansion was thoroughly repaired, renovated and painted, and was used during the season as a club house and lunch room in connection with the tennis field. The easterly end of the Park, which had never been improved, was graded and seeded. We also used here a large amount of sod cut from the tennis courts—24,650 square feet being relaid. We succeeded in developing all that portion of the park adjacent to the new comfort station. Farther to the east the grading was such that we were able to flood a portion of it for skating purposes, giving us a pond about 400 feet long by 250 feet in width. The water main in Jamaica Avenue was tapped and connected to flood this pond. Along the upper level, adjacent to Highland Boulevard, a large amount of filling was placed along the bank for the purpose of widening the walk between the park and the roadway and where this work of building out the bank was completed a rustic fence was built; this work should be completed during the coming year. Extensive additions were made to the flower garden around the Dutch Mansion; forty Plane trees were planted along Jamaica Avenue, and 5,000 seedlings were planted on the banks of the park and the bank of the Ridgewood Reservoir, north of Highland Boulevard. These seedlings had been secured from the State Conservation Department at nominal cost.

We were able to do the very extensive amount of grading and improving of lawns around the comfort station and the easterly end of the park owing to the fact that there was a large amount of building in this section of the City and that it was possible to secure high-grade top soil as a gift, or at a merely nominal price.

Irving Square Park.

Wiring for electric lights was installed in the shelter house; fences and the shelter houses were painted; interior pipe rail fences erected.

After the installation of the pipe rail fence it was possible to maintain the lawns and shrubbery in this park in perfect condition. In the fall a study was made of the landscape features of the Park and a number of important changes were made in the regrouping of shrubbery plantations and in the arrangement of flower beds. If results of these changes turn out as well as we hope them to, much more work will be done in other small parks and squares along the same lines.

Lee Avenue Gore.

This small triangle was turned over to the Department last year unimproved except for the trees that were planted at that time. During the year we enclosed the plot with pipe rail fence; installed a bubble drinking fountain;

placed permanent benches inside the open space and parallel to the sides, and planted out the border with shrubbery. The Department was glad to secure this small breathing space. It is in the Williamsburg section, which is more in need of additional park and playground space than any other section of Brooklyn.

Lincoln Terrace Park.

Extensions were made to pipe rail fence. The shelter house was painted inside and out. This Park is used extensively and a great deal of difficulty is experienced on account of the indifference of the people visiting it toward proper treatment of the trees and shrubs. During the year we have made a careful study of methods of improving conditions in this connection and have arrived at a plan that will enable us to handle increasingly large crowds and at the same time very greatly enhance the landscape features of the park. Work on regrading and preparing for this change was commenced late in the season but cold weather prevented our carrying it very far. The department has taken a lively interest in the project now pending for extending the area of this picturesque park, by adding land to the east and south.

McCarren Park and Playground.

At the close of 1914 the operation of the Farm Garden in connection with the children's playground at McCarren Park had been so successful that we were desirous to very greatly increase the size of the Garden and improve the conditions surrounding it. The first year's work had been carried on in a frame building which had formerly been used as a temporary shelter for the children in the playground—the building had not been suitable, nor adequate, for this purpose, and when the Farm Garden activities were added it required a great deal of skill and good nature to carry on the work.

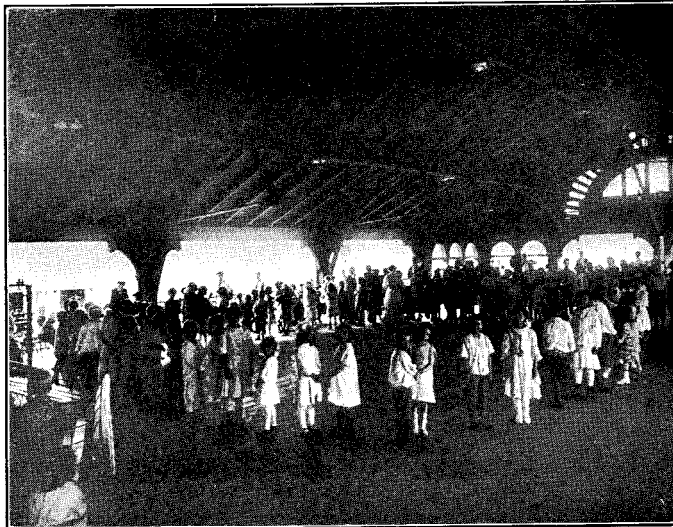
The old temporary building was 50 x 20 feet with a flat roof. We prepared a plan for improving this building and increasing its size by building two wings, one at each end, and including porches on each side of the original building, and provided in the elevation plans for the changing of the roof from a flat to a gambrel roof with dormer windows. All the rooms on the first floor were furnished with large and attractive windows and all the windows in the building provided with flower boxes. The exterior of the building was covered with white stucco and all exterior woodwork, including the shutters, painted green.

The new addition at the Driggs Avenue end was designed for a play room and for use of neighborhood clubs. A large brick fire place was installed in this room and in the addition at the other end of the building we arranged three rooms, the largest for use as a kitchen, another for an office for the Farm Garden Director and assistants, and another for nature study and Farm Garden exhibits.

The space in the old original building was divided to provide rooms for a toilet, entrance and stairway hall and a room for garden tools and equipment.



Bushwick Playground—New Wading Pool.



Recreation Pier, Metropolitan Avenue.

The complete building is 90 feet long and 28 feet wide and it stands between the playground and the farm garden. Along the sides are porches, each 10 x 50 feet, offering additional shelter. The entire upper floor is one large garret and is used as a children's play room in bad weather.

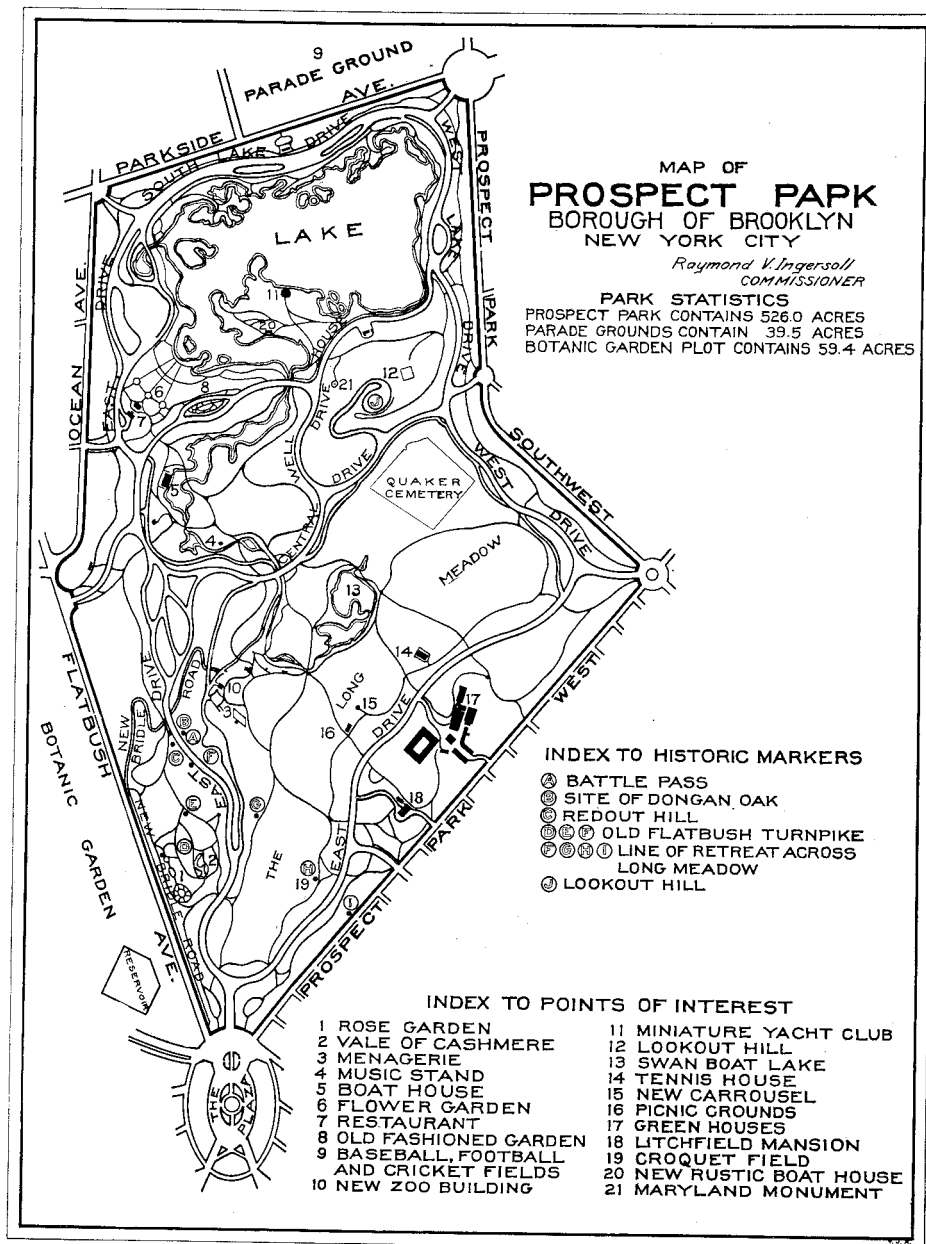
Ten clay tennis courts were prepared and put into operation early in the season. Light dust-laying oil was used on the surface as has been described in connection with Highland Park. After the contractors had completed the alterations in the children's house at the playground and farm garden, it was necessary for the Department to do a large amount of work in the way of installing equipment and making the buildings complete and in every way suitable for the carrying on of the activities. A large amount of top soil was hauled to increase the size of the farm garden from 125 to 425 plots. The farm garden and children's playground was enclosed on three sides with a pipe rail and woven wire fence with ornamental brick and limestone piers; the low pipe rail fence was removed from the remainder of the block around that part of the field used for baseball diamonds, and this entire field was graded and put in proper condition. All fences were repaired and repainted. A new shelter was built at the boys' playground near North Twelfth Street; all the exterior sidewalks that had not formerly been improved were graded and filled with ashes or limestone screening. All of the playground apparatus in the girls' playground adjacent to the farm garden was removed and replaced with modern steel equipment; an extensive planting of flowers and vines was made around the farm garden; several hundred feet of privet hedge was planted; twelve Poplar trees and thirty Oriental Plane trees were planted. To replace trees killed by gas twenty-six additional Plane trees were planted.

McKibben Playground.

Artificial pond for skating was made on the baseball field adjoining this playground. The fence along the westerly side of the boys' playground, which was destroyed in the storm during the winter, was rebuilt during the spring; the slate roof on the children's house was removed and replaced with asphalt composition shingles; this change was made on account of the very great expense called for each year in the replacement of slate shingles broken during the season by baseballs. Twelve Oriental Plane trees were planted and one hundred and eighty-five shrubs.

McKinley Park.

Improvements and extensions were made to the pond on the westerly side of the park. This considerably increased its value for skating purposes. Two artificial rock piles were removed, and large quantities of other rock and stone were hauled from Dyker Beach Park for the purpose of building a stone retaining wall across the northerly end of the park. 4,380 seedlings were planted in the groves for reforestation and 972 square feet of sod relaid.



McLaughlin Playground.

All fences were painted; irrigation boxes installed; concrete wall built along a portion of Cathedral Place; all steps and masonry were repointed; concrete sidewalks were repaired.

New Lots Playground.

A new double handball court to replace single court was installed; all of the playground apparatus was removed and replaced by new modern equipment in such manner as to practically double the available play space. This work was done according to carefully prepared plans, and results were very pleasing. An artificial pond for skating was made in the fall, and is very popular. Forty Plane trees were planted. Interior pipe rail fence was installed.

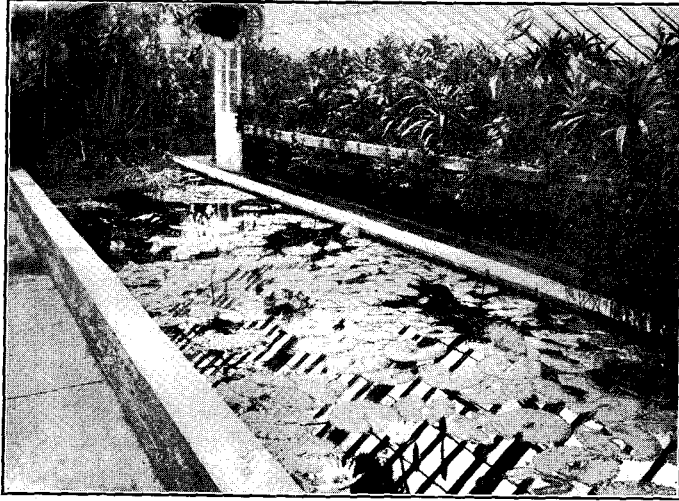
Parade Grounds.

One of the baseball backstops was removed and replaced by a new and larger backstop, which considerably improved conditions along Caton Avenue. All of the back stops on the field should be renewed and an effort must be made to secure funds to do this work at an early date. A number of baseball diamonds were regraded and resodded and the whole field was kept in better condition than has been the custom. Extensive plantations of shrubs were made around the field house. On the Bowling Green 2,000 square feet of sods were relaid.

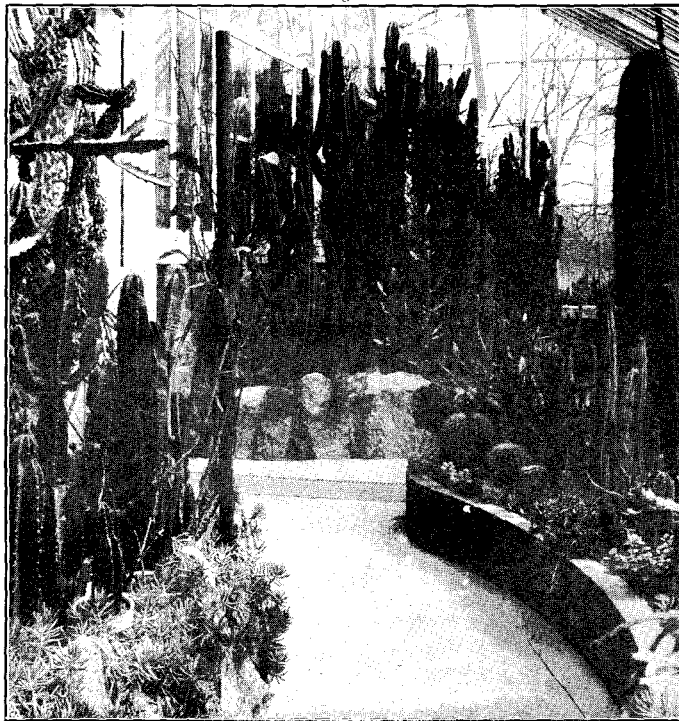
PROSPECT PARK.

New Boat House.—Through an arrangement with the concessionaires holding the privilege for operating boats on the lake, we secured the building of a light pavilion in front of the boat house giving much needed shade and protection to the landing station in front of the boat house. By the same means we also secured the erection of a second boat house below the terrace bridge. This is an attractive rustic building about eighty feet long by thirty feet wide, with a suitable platform for boat landing. It affords a much needed shelter in this part of the park and is convenient for use of picnic parties.

Menagerie Building.—In connection with the improvement at the menagerie and the new building that is being built by funds derived from a popular subscription, it has been necessary for the Department to do a substantial amount of work supplementing that of the contractors. The old stable was removed, a new temporary animal house and sheep fold built. Sewer and water connections were made to the new building and all cages and painting in new building was done by departmental forces. Funds should be made available for the completion of the animal house now under construction, so that all the temporary quarters may be abandoned and the large expense incurred by their maintenance done away with. It is interesting



New Aquatic House, Prospect Park.



New Cactus House, Prospect Park.

to note that through changes and economies the cost of forage and labor has not been increased through the addition of nearly one hundred animals.

Greenhouses.—After the completion of the new propagating houses last year, it was necessary to enlarge and improve the potting sheds adjoining. This work was done during the year, and this part of the plant is now open to the public on Sundays and holidays and makes an interesting and highly useful addition to the plant. The boiler under the Palm House had to be replaced on account of a number of sections becoming cracked. This replacement has been a great improvement and with the insulation of all of the feed pipes from it and the other boilers, make a pronounced reduction in the expense of heating. During the fall we occupied the new Cactii house, and the house vacated made room for the building of a pool forty feet long and ten feet wide, for aquatic plants, making an attractive and novel addition to the display. Practically all of the houses were repainted inside and outside, and nearly all of the old wooden plant benches were replaced with permanent concrete benches. The old benches had been constructed by placing a board or plank bottom in angle iron running longitudinally on the front and back, supported by tubular legs from the floor. The angle iron edges had become badly rusted and disintegrated. Instead of removing and replacing the angle iron, we removed the plank, and by using ordinary woven chicken wire for reinforcement, together with what remained of the angle iron, we moulded around the edges and bottom concrete, making benches permanent in character and attractive in appearance.

The old propagating houses were in bad condition and it was necessary to partly rebuild them.

The cold house was practically rebuilt, including the foundation. We also built an extension to it about twenty feet long and it now makes one of the most attractive and useful houses in the entire range.

A new entrance vestibule was built to replace the old one, making an important improvement in appearance as well as in convenience for handling crowds. Twenty-seven thousand people passed through the greenhouses on Easter Sunday.

The area of the cold frame was increased by about 2,000 square feet and, with the above improvement, together with changes in the organization, we expect to greatly increase the number of plants grown and make a corresponding reduction in our purchases.

Stables.—During the year careful study has been made of the stables and it appears that, in order to have the stables a profitable undertaking, it will be necessary to slightly increase the size, to remove some of the obstacles to economical management and to provide shelter for the vehicles of the Department. It had been the custom to leave practically all of the rolling stock of the Department exposed to the weather throughout the year. Plans have been prepared during the year which will enable us to improve these conditions and at the same time make the stable yards, which occupy a very conspicuous place in the Park adjacent to the conservatories, present a more

attractive appearance. Work on this improvement was commenced the latter part of the year and will be finished during the early part of 1916.

Shops.—Those sections of the boiler removed from the Palm House that were intact were installed in the basement of the shops and as soon as material is available will be used for heating of this building, doing away with the necessity of using several stoves. The ceiling of the blacksmith shop was sheathed with sheet iron and a ventilator installed from the roof for the purpose of relieving the men who work there from the dense smoke that formerly attended their operations. At one end of the shop a room was built for the use of the men as a reading room or place for meetings; the interior was carefully designed and makes a very attractive appearance, and is much appreciated. All of the accumulated debris in the carpenter shop was removed and new benches and individual lockers for the men were built, including new toilets and wash bowls. A number of new machines were acquired and put into operation, and the organization of the shops was strengthened and improved in many particulars.

New Equipment.—A number of additions were made to equipment. The following were manufactured at the shops:

- One large Drop-Platform Truck.
- Six Tool Box Carts.
- Three Snow Plows.
- Twelve Push Carts.
- Seven Arboriculturists' Wagons (rebuilt).
- One Stone Boat.
- Three Business Wagons.
- Three Double Trucks (rebuilt).
- Twenty-five Steel Garden Swings.
- Seven Portable Band Stands.

The Drop Platform Truck has been very useful in hauling boulders, tree stumps, etc. The Steel Garden Swings are similar in design to wooden swings which have been used in the playgrounds heretofore but which have been very expensive to maintain on account of frequent breakage. Our experience with the steel swings leads us to believe that repairs on them will be nominal. The portable band stands are hexagonal and made in sections so that they may be set up in one-half hour's time by the laborers or other help in the various parks without calling upon the mechanics; this has very materially reduced the expense attending the giving of band concerts in small parks by saving mechanic's time and cartage.

The principal items of equipment purchased during the year are the following:

- One $2\frac{1}{2}$ Ton Automobile Truck.
- Three Ford Cars.
- Sixteen Dozen Rubbish Cans with Wrought Iron Standards.
- Two Drill Presses.

The Automobile Truck greatly improved conditions of delivery and made material reduction in expenses of hauling, and another truck, slightly larger in capacity, is to be added in 1916. The three additional Ford Cars have enabled us to do away with light driving carriages and enable the General Foreman, Head Gardeners and Engineers to cover their work in much better shape and with greater economy of time.

Skate House.—In connection with the building of the new rustic boat house, it was part of the plan to keep away from the necessity of building each year a temporary skate house at an annual expense of from \$2,500 to \$3,000 as has been the custom in the past. By using the new rustic boat house as a shelter, check house and refreshment room, we were enabled to use the regular boat house for the accommodation of the rest of the crowd by building a small portable check house adjoining it. As indicated above, this check house is portable, made in interchangeable units, and can be used year after year and set up with very little expense in twenty-four hours' time. By increasing the number of service windows and by subdividing the numbers of the checks according to the several sections of the building, we have been able to give much better service than heretofore and to handle the crowds much better and more comfortably. This improvement will not only make a substantial saving of expense but will enable us much more expeditiously to make the necessary arrangements each year for the skating season.

New Signs.—All signs in the Park were renewed. Many of the "KEEP OFF" signs were done away with entirely and where it was necessary to use a sign of this character the new sign reads: "Please KEEP OFF" or "NEW PLANTATIONS." "PLEASE DO NOT CROSS HERE." Fewer signs were destroyed than formerly, possibly because their language was not so imperative.

At each entrance to the more important parks a sign indicating the name of the entrance was placed, mounted in wrought iron standard, bearing the following inscription:

PROSPECT PARK.

This Park is for the pleasure of the Public. To preserve its beauty and usefulness certain rules have been made. These are posted in all shelter houses.

YOU ARE ESPECIALLY REQUESTED

To protect the shrubs and flowers;
Not to walk on banks where plants are growing;
To respect the KEEP OFF signs;
Not to climb fences or walls;
To keep lawns and walks free from paper and rubbish.

Careful study was given to the style and coloring of these signs and when they were placed early in the season they gave rise to much agreeable comment.

A considerable number of signs of direction were also placed, the same attention being given to design; these signs supplied a long-felt need.

Litchfield Mansion.—Alterations made on the first floor made suitable accommodation for the letter files and telephone switchboard in a small room adjoining the rotunda opposite the entrance. This is enclosed by glass partition and counter. It is used as an information desk and enables us to dispense with the constant service of a door man. Another room on this floor was connected with the corridor leading to the Secretary's office and fitted up as a waiting room for visitors. In the general office adjacent to the Superintendent's office a railing and seats for visitors were installed. In the stenographers' room adjoining, the entire room was repaired and steam radiators and office rail was installed. In the basement the former kitchen was thoroughly renovated and repaired and is now used as a sitting and lunch room by the men employed in the building.

Swan Boat House.—The floor of this building was renewed and extended and the building was covered with a new corrugated galvanized iron roof. The entire building was repainted.

Dairy Cottage.—With the removal of the old barn at the Menagerie, the men's toilets, formerly located there, were replaced in the basement of the Dairy Cottage and a new entrance walk constructed.

Improvements to Lawns.—In the spring 46,000 square feet of lawns were resodded. At the same time we removed remnants of the lawns along Ninth Avenue, from Plaza to Fifteenth Street entrance, between the curb and sidewalk. The conclusion had been reached that it was impossible to maintain grass plots along the sidewalk on account of the heavy shade and excessive use and consequently we removed the top soil and resurfaced with trap rock screenings.

Around the lake a number of small bays which had become objectionable in the summer on account of low water conditions were filled, graded, surfaced with top soil and seeded, and in one place near the pump house two small islands were connected with the mainland for the same reason.

Tennis Courts.—The use of the tennis courts was very great all during the season and since we have extended the season of play it has not been possible to secure satisfactory results by resodding in the spring. Last fall, after the close of the season, we resodded 19,340 square feet, using sods cut from lawns in other parts of the park, and finished the work before the frost, so that by next season the new sods should be thoroughly established and ready for use before the tennis season opens. The lawns from which the sods were cut will be reseeded.

Care of the Shore Line Around the Lake.—The building up of the shore line along the lake was continued and very greatly extended. When this work is complete it is believed that it will make a material reduction in maintenance charges.

Coasting.—Although there has always been some unauthorized coasting in Prospect Park, it has not been customary to make any special provision

for it. This year, however, a fine slide was made on the hillside, west of the menagerie, beginning at the Payne Monument and ending near the carousel; the snow was banked up on each side and the runway sprinkled with water to form an ice foundation and frequently during the season five and six thousand sleds per hour were counted descending the slide.

New Bridle Path.

Work of grading and filling for the entrance of the proposed new Bridle Road, from Flatbush Avenue at the "Blind Gate," proceeded during the year and instead of paying for fill we were able to secure what we needed for this improvement, receiving forty cents a load from the contractors delivering the soil. We were able to do this by taking advantage of the fact that excavations were going on in the neighborhood for new buildings and a dump with a short haul was valuable. The rough work of building and grading is now practically finished and the finishing of this section of the park will be completed next year. Owing to the necessity for using part of the Bridle Path for hauling material to and from the new building at the menagerie, conditions on the Bridle Path were difficult during the larger part of the year, but in the fall, after the building operations neared completion, we were able to restore the surface on the Bridle Path and give it a new top dressing of fine gravel throughout its entire length.

Manufacture of Fertilizer.—The Brookline and the ponds above the lake have been receiving the wash of top soil within the water shed of that part of the park for a number of years. This, together with accumulations of leaves and other vegetable matter, caused a great deal of fermentation and discolored the water. During the spring we drained the water and removed about 1,800 cubic yards of muck. This was hauled to the work yard and used as the foundation for a compost bed made of layers of muck, leaves, horse manure and slacked lime. This work was carried on during the summer months and by the use of the lime, and by covering the horse manure as it was put down, we were not bothered with flies, nor with an offensive odor. It is estimated that the value of the compost made by this method is from twelve to fifteen thousand dollars. The leaves used in making this valuable fertilizer had formerly been burned.

Planting.—Two thousand shrubs were planted on the banks along Ninth Avenue; additional plantations were made around the granite steps and around the several entrances; several thousand vines, such as English Ivy, Virginia Creeper and Honeysuckle were planted for ground cover on banks where, because of shade, it was difficult or impossible to maintain lawns. A considerable number of large trees were transplanted from the nursery back of the Flower Garden to various points in the Park and this nursery is being very materially increased and will become an important source of supply for ornamental shrubs, ground covering vines, etc. Several thousand seedlings were planted along the bank adjacent to Flatbush Avenue and three hundred trees were planted along the lake shore and on the hillside throughout the park.

Red Hook Park and Playground.

The iron picket fence surrounding this park was very old and the bottom rail and many of the pickets were so badly rusted that in many places it had become disintegrated. It was at first thought that it would be necessary to build a new fence. It was found, however, that by building a concrete coping along the line of and under the fence the lower and rusted parts of the fence acted as a reinforcement for the concrete and after the job was finished we had the equivalent of a new fence in a concrete coping. The appearance is better than the original and it is easier to trim the grass against the coping or curbing than against the picket fence. We find that old iron picket fences can be restored by this method for something less than thirty cents per lineal foot. All fences in the park were repainted, the open shelter thoroughly repaired, reshingled and repainted.

Saratoga Square

Extensive repairs were made to the shelter house and comfort station. We installed irrigation boxes; plowed, regraded and reseeded the lawns; made extensive changes in transplanting and rearranging shrubbery and flower beds similar to the work carried on in Irving Square Park. In connection with this work 10,615 sods cut from the tennis courts at Highland Park were relaid here.

Seaside Park.

The storms and high tides during the winter destroyed the steps and part of the bulkhead along the walk from Ocean Parkway toward Brighton Beach, thus requiring extensive repairs and rebuilding. The restaurant and brick shelter were thoroughly repaired and repainted and the windows to the brick shelter were enlarged to improve ventilation and air. Irrigation boxes were installed. The small stand on the ocean side of the shelter had been destroyed by storm, and was rebuilt. The upper part of the comfort station adjoining the open pavilion which was formerly used as a band stand, but which had not been used for a number of years, was made accessible to the public by building a wide flight of steps from the beach and by placing of permanent seats around the rail and in the centre of the shelter. Additional board walks were laid around the open shelter. The toilet of open shelter was connected with sewer and the old cesspool filled and abandoned. Entrance signs were installed.

The central lawn was opened to women and children early in the spring. There had always been a superstition to the effect that the lawns in this park could not stand much use but we found that at the end of the season they were unharmed and, during the fall, we permitted local football teams to use the field for practice and games. We also attempted to make an artificial pond for skating but were unsuccessful, because of the sandy character of the ground.



Ice Skating Rink, Red Hook Playground.

The crowds at Seaside and Dreamland beaches during the summer were unprecedented but, profiting by our experience of last year, we have arranged to have a number of selected men on hand in uniform on Saturdays, Sundays and holidays. By this means we were able to maintain much more satisfactory conditions and increase the opportunity for pleasurable enjoyment of the beach. There was some slight improvement in the attitude of the people visiting the beach in reference to throwing waste paper and rubbish about, but conditions in this respect are still far from satisfactory. We handled the problem of removing the rubbish by commencing the work at midnight and working until morning. After inaugurating this program we had no difficulty in having the beach cleaned and in proper condition to receive the crowd next morning. We are now contemplating the installation of a small incinerator for the purpose of destroying rubbish and very materially reducing the cartage. In the spring, 2,174 square feet of lawns were resodded and flower beds improved and extended.

Sunset Park.

Paved the court between the two wings of the shelter house, making a large plaza for use in connection with the band concerts and other public meetings. Installed irrigation boxes; extended pipe rail fence; installed counter and enclosure for lunch room; made three tennis courts and maintained them throughout the season, involving considerable addition to the drainage system of the park; reset the flag pole; planted forty-four trees, 2,543 seedlings and 4,230 shrubs. About an acre of this park had never been top-soiled or graded, but this work was completed during the year, and together with the very extensive plantation of shrubbery, practically complete the work of development along this line.

Tompkins Park.

Built pipe rail fence enclosing walk around shelter; painted fences; cleared open space for plaza in front of shelter house for the purpose of handling large crowds at band concerts and other meetings. The shade at this part of the park was very dense, making it impossible to preserve the lawn, and the large crowds frequenting the park made it necessary to secure additional open space for their accommodation. After removing the top soil the space, which was about two hundred and twenty-five feet in diameter, was covered with limestone screenings. Entrance signs were installed. At the end of the year, through an arrangement with the Library Board, work was commenced on alteration and extension to the shelter house. The upper floor of this building is occupied as a branch library and the expense of the improvement is to be shared by this Department and the Library Board. Lawns were restored by laying of 10,802 square feet of sod.

Underhill Park.

An old fountain at this location had fallen into disrepute on account of improper use and abuse given it by the boys in the neighborhood. As the

place is so small as not to warrant the constant attendance of a representative of the Department, we decided to remove the fountain, to regrade the lawn and to turn practically the entire area into an open play space, leaving marginal plantations on which 2,050 square feet of sod were laid. This work was carried on during the fall and as soon as the planting scheme is carried out and pipe rail fences are installed, the results will show a valuable improvement.

Vanderveer Park.

Extensive planting of the streets surrounding the banks inside the enclosures were made and the appearance of this small plot was transformed by the planting of forty-eight Plane trees and nine hundred sixty shrubs.

Williamsburg Bridge Park.

The playground in this park was reopened at the beginning of the summer season and very extensive repairs were necessary to the playhouse and to most of the apparatus. It was necessary to relocate some of the apparatus; irrigation boxes were installed, and covered passageways were made connecting various parts of the playground as a protection from objects which might fall from the bridge.

Winthrop Park.

Fences were painted and the large shelter and comfort station was completely overhauled, repaired and repainted inside and outside; irrigation boxes were installed.

Bay Parkway.

We used a light and dust-laying oil on Bay Parkway, from Ocean Parkway to 80th Street; from 80th Street to Cropsey Avenue we resurfaced the roadway with light asphalt binder.

Bay Ridge Parkway.

During the past year a great deal of attention has been given to the further improvement and embellishment of this parkway, part of which had heretofore been improved. At the end of the season considerable plowing was done adjacent to the Fort Hamilton Parkway entrance preparatory to commencing a program of cultivation and planting in the spring.

Eastern Parkway.

The operations of the contractors building the subway through the Central Roadway of Eastern Parkway have made conditions resemble a mining camp rather than a handsome boulevard. The increased roadway business on the traffic road caused by the closing of the Central Roadway, together with the increased volume on account of the extraordinary business attending the building of the subway, has tested the capacity of the traffic

roads to the maximum. As a result of this extra and very intense use, the pavements and traffic roads are rapidly going to pieces, and as it is impracticable to close them for repairs while the subway work is going on, it will probably be necessary to replace the pavement as soon as the state of the work of the subway contractors makes it possible.

The methods adopted for saving the Elm trees along this parkway from destruction have been outlined in the first part of this report.

Fort Hamilton Parkway.

No funds were provided for the maintenance and care of Fort Hamilton Parkway by this department. The amount formerly needed for this purpose was deducted from our budget allowance and we were informed that the street would be transferred to the jurisdiction of the Highway Department. However, this transfer was not accomplished, the Board of Aldermen failing to approve of the recommendation of the Board of Estimate. As a result the control of the street has remained in this Department and we have no funds with which to do the work. Through economies and savings in other operations we were able to do a certain amount of work along the street, but conditions for people living there are intolerable. It is feared that unless this condition is improved it may become necessary to close this important thoroughfare.

Ocean Parkway.

Extensive repairs were made to the abutments and planking of the bridge over Coney Island Creek. This bridge requires extensive repairs each year and will be a constant source of expense until it is replaced by a permanent structure. Hand-rails were built along both sides of the fence and continued along the sidewalk for several hundred feet on both sides of the bridge in order to guard against accidents to pedestrians.

That portion of the main drive, from Avenue "X" to Coney Island Creek, which requires rebuilding on account of the foundation of the roadway being at times below tidewater, was constantly a source of annoyance and trouble. During the fall we improved conditions materially by hauling 650 yards of gravel from Dyker Beach, filling in this part of the roadway and rolling it with a steam roller. It is not expected, however, that we can maintain this part of the drive in a satisfactory condition until a permanent improvement is made and the grading of the entire section raised and properly surfaced.

Pavements and curbs at the foot of the Boulevard were rearranged so as to give more space and lessen the congestion of automobiles where the Boulevard joins the Coney Island Concourse.

We adopted the method of using a light dust-laying oil on the Speedway instead of sprinkling by water, and found this very satisfactory. It is considerably cheaper than the former method and the dust is laid for twenty-four hours a day. Two treatments of the oil were used, one in April and one in August. The first application required one-quarter gallon per square yard

of surface, the second application an average of one-sixteenth of a gallon. The expense of the oil laid was six and four-tenths cents per gallon, or one and six-tenth cents per square yard for the first application and two cents per square yard for the entire year. We followed the same method with similar results on the traffic road, from Kings Highway to Coney Island.

Shore Road.

As the work of completing the sea wall along the Shore Road was finished and the rough filling was deposited by the contractor, it left an uneven and unattractive appearance. In the fall it was decided to plow and grade that part of the field surface extending from 69th Street, and to seed it with a winter crop of rye. This work was carried on with great efficiency and was practically all finished before cold weather came. The small part remaining will be finished early in the spring. It is believed that the result of this work will be a very great improvement in the appearance and we shall be able to develop a considerable amount of top soil by successive seeding operations. It is the intention to bring this large area of more than seventy acres into immediate use for recreation purposes.

Projects for Immediate Future.

An extensive work program has been laid out for 1916. The most significant planting operations will be in Prospect Park, on the Bay Ridge Parkway, on the streets and at Betsy Head Playground. In Prospect Park the provision of ground covering vines for bare and heavily shaded ground will be further extended. Important planting will be done in the old duck pond section, in the neighborhood of the proposed new Bridle Path entrance. Rose vines will be planted along the banks near the Third Street entrance. In the fall it is planned to construct a large circular grass plot at the Circle entrance at the head of the Ocean Parkway and to plant ornamental trees. A large quantity of trees and shrubs from the nurseries of the Queens Department will be set out on the Bay Ridge Parkway near Fort Hamilton Parkway, around the large gas tanks just beyond that point and on the picturesque banks surrounding the Bay Ridge High School. Much needed trees and shrubs will be planted at Betsy Head Playground and in the central parking space along Howard Avenue.

The large plaza in front of the steps at Fort Greene Park is now a waste space. It is proposed as soon as weather permits to regrade the surface and rearrange walks so as to make possible an attractive playground for children, also to plant ornamental poplars, horse chestnuts and ginkgos to give shade and to partly screen the elevated railroad structure on Myrtle Avenue.

A new Bridle Path will be constructed from Prospect Park Plaza along Flatbush Avenue to an entrance opposite Menagerie Hill. This will be continued in a curve around the old duck pond, carried under the East Drive through an archway and over the hill. By this means the present dangerous congestion of automobiles and horseback riders along the East Drive and at the main entrance will be obviated. At the same time the

last remaining unfinished section of the park will be developed, a pathway under the East Drive secured for pedestrians and the building of a much needed automobile approach to the menagerie made possible through abandonment of one end of the present Bridle Path.

A rustic observatory, commanding an extensive view, will be built in the late summer on Lookout Hill.

The stables will be enlarged and re-arranged and sheds built so that all rolling stock can be put under cover, also a number of small local storeyards constructed to save exposure of equipment and to lessen length of haul.

Extensive road repairs will be made, especially on the roadways of Prospect Park. The high crown on the East Drive will be removed and a new surface put in place.

Pipe rail fence will be made in the shops and set up along the walks in Fort Greene and Bushwick parks. These will offer better protection to the lawns than do the present crude wire fences, will be a great improvement in looks and will result in considerable saving in maintenance both of fences and of lawns.

A much needed shelter and comfort station will be built on the banks of the Shore Drive near Fort Hamilton. Between the banks and the sea wall at this point tennis courts, baseball diamonds and other recreation features will be installed and the demands for use of this section for outings and picnics will be recognized and encouraged. There will be further grading and development of the two and a half mile strip between the Shore Road and the sea wall. Now that the Fourth Avenue subway is being operated there will be an important new addition to the outdoor life of Brooklyn. Aside from Prospect Park no other section offers so attractive an opportunity for an afternoon walk.

Protection of Persons and Property.

Trouble with vandalism in the small parks, especially at night, has not been entirely done away with. At many points, however, these evils have been minimized by improving the lighting system and by better co-operation from the Police Department. Appeals to the children have been made systematically through the schools and through appeals printed on 250,000 band concert programs. We have continued to find it helpful to assign two employes with special police powers to specialize on the checking of vandalism and wilful disorder. During the summer months two police detectives in civilian clothes did effective work on this line in Prospect Park.

For general police protection in Prospect Park reliance is placed mainly upon the regular force of the 173d Precinct. The precinct headquarters are in the Field House on the Parade Grounds and the force of sixty-eight men is assigned to duty exclusively in and around Prospect Park. By this regular force three hundred eighty (380) arrests were made during the year, mostly for petty offenses. There were three hundred twenty-one convictions or an average of over eighty per cent. Two hundred ninety-four (294) persons were aided in various ways by the Prospect Park police.

Concessions.

In the management of concessions the chief emphasis has been placed upon service rather than upon rentals. Thus, a very slight reduction was made in the amount charged for the boating concession in Prospect Park but a reduction of nearly fifty per cent. in charges made to the public was insisted upon. This resulted in more than doubling the service. A new service was established on the public beaches at Coney Island in the renting of reclining canvas chairs with canopy tops. These rent for ten cents each for a period of three hours and still bring in a small revenue to the City without any expense or risk. The chairs have proved to be very popular. From some points of view it might be advantageous for the City to operate the Park restaurants and refreshment stands directly, but it seems doubtful whether Municipal conditions are yet sufficiently settled to warrant this step. In the meantime good quality of service and generally lower prices to the public have been insisted upon.

The Brooklyn Park concessions brought in a net revenue in 1915 amounting to \$13,040.92. These revenues were turned into the general fund for reduction of taxation. In addition a new Carousel building, costing \$12,000; a rustic boat house, costing \$2,000, and a new open pavilion, costing about \$800, were erected by holders of concessions and turned over to the City.

Greenhouses.

The greenhouses and conservatories in Prospect Park consist of large show houses with very handsome exhibits of ferns, orchids, palms, cacti, and other tropical plants, in addition to a continuous show of a very large assortment of flowering plants in bloom. These exhibits are housed in the following buildings:

	Square Feet of Floor.
Cactus House.....	1,000
Aquatic House.....	1,323
Orchid House.....	2,025
Orchid House.....	1,323
Tropical House.....	1,323
Fern House.....	1,890
Show House.....	3,840
Palm House.....	5,000
Four Small Propagating Houses, each.....	2,640
Old Potting House.....	1,248
New Potting House.....	768
New Potting House.....	396
Potting House.....	132
Three Large Propagating Houses.....	8,379
Cold House and Cold House Extension.....	2,556
Cold Frame—Pit—Century Plants.....	700
New Cold Frame House Century Plants.....	528
Center.....	759
Vestibule, Main Entrance.....	176
Cold Frame Sash.....	11,610
Total.....	47,616



Planting Trees on Lafayette Avenue.

There were grown at the greenhouses, cold frames, and nurseries of the Department during the year the following plants:

AT THE GREENHOUSES.

Bedding Plants—Pansies, Geraniums, Coleus, etc.....	65,000	
Greenhouse Plants, Show or Exhibition.....	56,000	
Vines for Ground Cover—Ivy.....	12,000	
Vines for Ground Cover—Vinca.....	2,000	
		14,000

AT THE FLOWER GARDEN.

Vines for Ground Cover—Ivy.....	4,000	
Vines for Ground Cover—Pachysandra.....	1,000	
		5,000
Shrubs—Ligustrum.....	1,000	
Shrubs—Azalea.....	600	
		1,600
Herbaceous Plants for Children's Gardens, etc.....	4,000	
Miscellaneous Plants.....	500	

Total Number of Plants Grown..... 146,100

Arboricultural Work.

During the winter dead and diseased trees which had been marked for removal the previous fall were taken down, cut up and given to the Bureau of Charities. In the spring all efforts were concentrated on planting. Simultaneous with the planting also came spraying for sucking insects. There are a number of these pests common to the trees of this Borough. The oyster shell scale, the cottony maple scale, scurfy scale, San Jose scale, sugar maple phenacoccus, golden oak scale, tulip tree scale, pine leaf scale and plant lice are some of the most important ones. Spraying for caterpillars and the elm leaf beetle was commenced in the latter part of May and carried on for over six weeks in the entire Borough, both on the streets and in the parks.

During the hot summer all the young trees were cultivated and watered and in the late fall they were fertilized with manure and leaf mold taken from a compost prepared in Prospect Park. In August commenced the season for pruning superfluous, dead and diseased branches. This is a hazardous work and the men engaged in it must often take great risks. The men must also observe fundamental principles in connection with this work, such as close cuts, under-cuts, wound dressing, etc. Fall is the season when attention is given to insects that bore into the wood of trees. The most important species of these insects are the leopard moth—a serious enemy of our silver maples and elms; the elm borer, the bronze birch borer, the hickory bark borer, the linden saperda and the two-lined chestnut borer. The removal of fungous growths, dressing of wounds, attention to slime flux and similar diseases, loosening tree guards, treating and filling cavities, fastening trees that have a tendency to split, and placing labels on the prominent trees along the walks in all the parks, inspecting trees on City streets, issuing permits, and controlling pruning done by private owners, are other forms of attention which devolve upon those in charge of municipal trees.

Under the direction of the three Arboriculturists, 670 trees, 7,307 shrubs and 5,629 ground covering vines were planted during the year in the parks. 1,321 trees were planted in City streets. 29,216 trees were trimmed in the parks, and 26,177 in the streets; 19,518 trees were sprayed in the parks, and 36,097 in City streets. 6,578 complaints in regard to street trees were received and attended to. Largely owing to the purchase of a high power sprayer, nearly twice as many trees were sprayed as in 1914. There was an increased activity in all these lines without corresponding increase in cost.

Farm Gardens.

The Children's Farm Gardens, inaugurated in Brooklyn in 1914, at McCarren Park, were greatly extended and similar gardens were established at the new Betsy Head Playground in Brownsville.

The work had been taken up with so much enthusiasm the previous year by the children of McCarren Park that the number of individual plots was increased from 120 to 400. The Betsy Head Farm Garden was opened for the first time this year and contains 315 individual plots. As there are two plantings each season, 1,430 children had the opportunity to cultivate individual plots and take away the results of their harvest. In addition, about 40,000 school children visited the gardens for nature lessons. The work has proved to be one of vital interest to the children. The new Farm House at McCarren Park Gardens, described elsewhere in this report, has become one of the most picturesque points of interest in Brooklyn.

At each planting season the children who make application are registered and each is assigned an individual plot, which is numbered, and to which he gives individual attention under the direction of the school farm director and attendants. These plots are each four feet wide and eight feet long.

Each plot was seeded with radish, bean, beet, carrot, corn, lettuce and turnip. The School Farm Directors and Attendants instructed the children in fertilizing, spading, raking, sowing the seed, in planting, cultivating, weeding, transplanting, watering, picking insects from plants, spraying with insecticides and harvesting. They were also taught to care for the paths, flower beds and observation plots.

The average yield of each plot in the gardens was 400 radishes, 2 quarts of beans, 5 ears of corn, 40 beets, 1 peck beet greens, 60 carrots, 15 heads of lettuce and 20 turnips.

Street Tree Planting.

As has already been set forth in the first part of this report, 1,146 street trees have been paid for this year and set out by the Brooklyn Park Department. 780 trees have already been ordered for planting next spring. One difficulty with securing orders is in the fact that early spring is the best time for planting and many citizens do not become interested until they see the trees going in and the time for ordering is over. This condition emphasizes the importance of having the subject taken up in the fall by organizations and pushed along systematic and persistent lines.

Many street trees are injured through the carelessness of drivers in allowing their horses to stand near trees. This is contrary to a City ordinance and where it occurs it should be called to the attention of the driver or tradesman involved or the police should be notified.

Care must be exercised to select a suitable species for planting. Among those that thrive best on City streets are the Oriental Sycamore, the Norway Maple and the Red Oak. For suburban sections the American Elm, Ginkgo, European Linden, Scotch Elm, Pin Oak and Red Maple are suitable. The Poplars, Silver Maple, Catalpa and Willow are undesirable and should not be used. The trees should not be less than $1\frac{3}{4}$ inches in diameter; ($2\frac{1}{2}$ inches is better). The trunk should be straight and free from branches to a height of at least seven feet, and the first branch not over nine feet from the ground. The tree should be free from insect pests and disease and have a compact fibrous root system and a well-balanced head. A cloudy day is preferable to a sunny day for planting.

It is advisable to plant street trees at least twenty-five feet apart so as to give them proper space for development and so as to avoid too dense shade. The spring is preferable to the fall as a season for planting. The opening in the sidewalk should be at least three feet square, larger if possible, say five by four feet, especially where the sidewalk is of concrete and the roadway is asphalt. Dig the hole at least three feet square and three feet deep and fill it with good rich soil. Do not let manure come in direct contact with the roots. Plant the tree at the same depth at which it stood before transplanting, sprinkling fine earth among the roots and tamping it down firmly to exclude air spaces.

After planting, a guard must be placed around the tree. A cheap and serviceable one is made of wire netting of one-half inch mesh. Protect the tree from coming in contact with the guard by using a piece of burlap or rubber hose between the tree and guard.

A newly planted tree should be watered once a week if the weather is dry. At least six gallons (two pailsful) should be given at a time. This will moisten the ground thoroughly down to the roots. Watering every day is unnecessary and often proves injurious.

On the day after watering, the soil should be stirred for two or three inches in depth in order to conserve moisture, permit aeration, and allow the rain to enter. This stirring of soil is also advisable after every rain. When cultivating trees the surface should be left level or inclined slightly toward the tree.

During the fall season manure should be placed around the tree in mixture with the upper six inches of soil. The application should be made to a distance equal to the spread of the branches, or as nearly so as the sidewalk opening will allow, and, if possible, should not come into contact with the trunk of the tree.

Street trees must not be watered by means of a garden hose unless the owner has procured a permit from the Department of Water Supply, Gas and Electricity.

Wild Life.

The efforts to encourage wild life in Prospect Park have continued. The squirrels are so well protected that they are very tame and afford much amusement to the public. The squirrels are carefully fed in winter. Efforts to accumulate a flock of wild ducks on the lake are meeting with success. The number and variety will be increased each year. Donations of a pair of swans and of several pair of wild geese have been promised for next spring. An experiment will also be tried with pheasants.

The importance of developing a bird sanctuary in Prospect Park is appreciated both from the point of view of their inherent attractiveness and from the point of view of their great usefulness in destroying caterpillars and boring insects. Trees and shrubs attractive to birds have been planted and many bird houses have been put up. One need which has been partly met is the provision of bird houses with small openings, safe and suitable for wrens and small song birds. It is expected that this winter and spring more than a hundred bird boxes will be built for us by the boys of the Manual Training High School. Another winter we expect to take steps for providing the birds with accessible food, such as grain and suet. Most of the migratory birds go South, not to avoid the cold, but to make sure of a food supply. It will be interesting to determine how many can be kept here during the winter. About 160 varieties of birds have been observed at various times in Prospect Park. The number of varieties seen during one year is about 110, these being most numerous in spring and fall. The Brooklyn Bird Lovers' Club and the new Brooklyn Zoological Association are co-operating most helpfully in carrying out the policy here described.

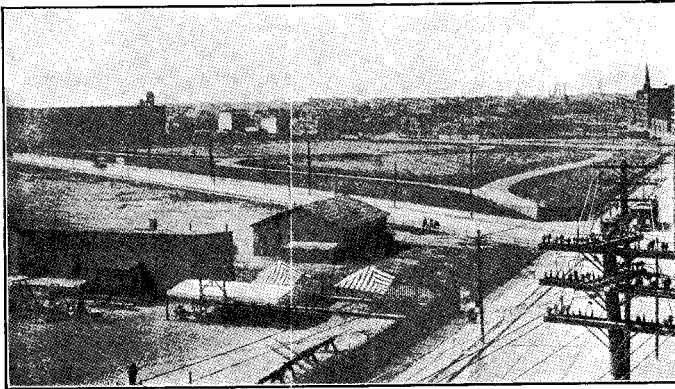
MUSEUMS OF THE BROOKLYN INSTITUTE OF ARTS AND SCIENCES.

The Central Museum on Eastern Parkway, the Children's Museum in Bedford Park and the Brooklyn Botanic Garden are under the general management of the Trustees of the Brooklyn Institute of Arts and Sciences. They receive appropriations from the City for maintenance and their collections are provided for entirely from private sources. The construction work is done through the Department of Parks and the bills are audited through this department.

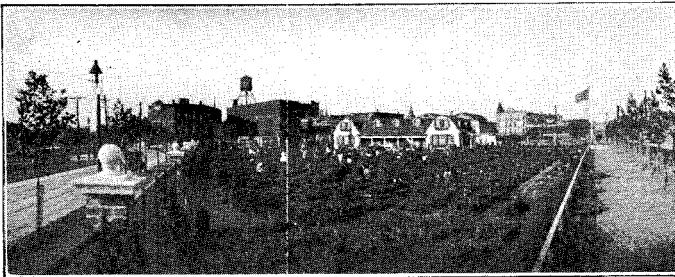
Central Museum.—The collections of the Museum have increased to such an extent that all of the passages, hallways and stairways have been utilized for exhibition purposes.

The attendance in 1915 increased 99,657 over 1914, so that the total number of visitors registered during this year was 355,318, an extraordinary percentage of increase. The increase will be still larger when the Eastern Parkway is completed.

The Docent services for the benefit of the children of the public schools and for visitors have also become an important part of Museum activity.



McCarren Park, 1913.



McCarren Park, Same Section With Farm Gardens, 1915.



New Farm House and Social Centre.

The attendance of children with teachers for instruction in the galleries was 7,740; attendance at the Museum lectures, 20,469.

Two very important exhibitions of paintings were held in the picture galleries; an invited exhibition of 101 paintings and 41 miniatures by Contemporary American Artists from April 4th to May 3d, attended by a public numbering 34,547; also an exhibit of the loan collection of 69 water colors by one of the great leaders in American Art—Winslow Homer—between the dates of October 16th and November 17th.

The formal opening of the Print Gallery occurred on April 26th, the occasion being the first view of 50 Whistler lithographs, the gift of the Rembrandt Club of Brooklyn. Another notable print exhibition was the etchings and lithographs of Joseph Pennell, the distinguished American artist, who was present, and who gave a lecture on the "Making of an Etching" on December 21st in the auditorium of the Museum to an audience of 753.

The following accessions of paintings have been received:

41 paintings from the Bequest of Charles A. Schieren.

18 paintings from the Bequest of Robert B. Woodward.

6 other gifts have been received from various individual donors.

Eight paintings have been obtained by purchase from the Museum funds, including a Portrait by John Singleton Copley, and a Portrait by John Wesley Jarvis, and 6 paintings by contemporary American artists.

There have been 10 accessions of drawings: 9 of gifts from individual donors and one by purchase.

In the Department of Sculpture there have been three accessions of modern work. Two of these were presented by George D. Pratt, and one was obtained by bequest from Charles A. Schieren.

The accessions in glass include a stained glass window by John La Farge, obtained by gift, and 35 specimens of ancient Graeco-Roman glass by bequest from Robert B. Woodward.

In the Department of Egyptian Antiquities the British School of Archaeology in Egypt has presented the Museum with 34 pieces, in recognition of the Museum's subscription to the work of this Society, and the Egypt Exploration Fund Society has presented the Museum with 80 lots and pieces, in return for a subscription to its archaeological work.

In the field of Oriental art the Museum has installed 218 carvings in jade and other hard stones, mainly Chinese, obtained from the bequest of Robert B. Woodward, and 200 specimens of Chinese cloisonne as additions to the Avery Collection, from the donor of this collection.

In the Department of Natural Science the principal accessions include an unusually large number of gifts from the Zoological Parks of New York and Brooklyn, purchases of about 125 rare and interesting sea birds of the South Atlantic Ocean; and collections of mammals, birds, fishes, reptiles and invertebrates made on Museum expeditions to the Far West and elsewhere. Numerous specimens of mammals, including animals as large as the eland and antelope, have been mounted and placed on exhibition. Among

important and striking new special exhibits are the habitat group of Virginia deer, the coral reef group which is the result of the Bahama expedition, and several groups of Subantarctic birds which were collected during 1912-1913 on the Museum's expedition into the South Atlantic. Notable changes and improvements have been made in the Hall of Invertebrate Zoology, the Long Island Bird Room and elsewhere on the natural history floor.

Children's Museum.—The total attendance at the Children's Museum for 1915 was 185,764. The number of lectures given was 312, and the attendance at lectures was 29,340. There were 1,101 visits from teachers and 1,398 loans were sent to the schools. The number of children studying and handling these loans is innumerable, perhaps 600,000.

The most important event of the year was the presentation of a geographical model by the Brooklyn Women's Club, for the purpose of interesting the club women of Brooklyn in a project to raise funds for completing the geographical exhibit. The significance of this act lies in the fact that the club women of Brooklyn have recongized the influence of the Museum upon children.

Brooklyn Botanic Garden.—On June 18 the Board of Estimate and Apportionment passed a resolution appropriating \$100,000 for the completion of the Botanic Garden buildings, and for other permanent improvements. This appropriation was voted in consideration of an offer on behalf of the Board of Trustees of the Brooklyn Institute of Arts and Sciences by the Chairman of the Governing Committee of the Garden, Mr. Alfred T. White, to secure a like sum by private subscription. A check for this amount was deposited with the Comptroller on May 26.

The contract for General Construction was awarded in the sum of \$140,228; for heating, in the sum of \$16,928; and for plumbing, in the sum of \$7,569—a total, including Architects' and Engineers' fees (\$7,500) of \$172,225.

During the spring new walks of bituminous macadam were constructed on the new (south) addition opposite the Willink entrance to Prospect Park. The new addition extending to the Brighton Beach cut near Malbone Street was formerly waste land, but was turned over last year by agreement with the Park Department.

In addition to the above expenditures, private funds to a total of \$15,309.06 were expended for maintenance and other Garden purposes.

The total attendance for the year was 71,600, notwithstanding the fact that the grounds had to be closed to the public from January 1 to May 1.

During the year the collection of native wild flowers was considerably enlarged and about 25,000 children attended the various courses of instruction, including children's gardens.

At the close of the year the library contained over 3,800 books and nearly 5,900 pamphlets, of which 771 books and 2,235 pamphlets were added during the year. All publications for the library are purchased with private funds. The library is open free daily to the public for reference.

Over 11,900 specimens were added to the Garden herbarium, making the total number over 135,000.

During April over 85,000 penny packets of seeds were distributed to school children of the Borough, as a means of stimulating the planting of home gardens. Over 300 home gardens were started and supervised.

The carrying out of the plans now under way for improvement of the Botanic Garden, besides increasing the value of the Botanic Garden, will result in a marked beautification of the public lands in the Prospect Park section.

Music.

Continued efforts have been made to secure a better quality of music. This has been accomplished by care in selection of leaders and by prescribing instrumentation.

Considerable attention has been given to working out the programs. A schedule for the entire season was made early in the year. This enabled each leader to know when his concerts would come up so that he could make suitable arrangements in advance. In past years much of the music had been let out from week to week. This new method also makes it possible to print the entire summer schedule on each of the band programs, so that persons taking them home one week can tell where there will be a concert the following week. Care is taken not to have two concerts on the same Sunday in small parks close to each other, but to have them alternate.

Parks	Total Number of Concerts	Average Attendance at Each Concert
Betsy Head.....	2	about 15,000
Prospect.....	29	about 11,000
Sunset.....	10	about 4,000
Winthrop.....	9	about 4,000
Ft. Greene.....	6	about 3,000
Saratoga.....	3	about 2,500
Irving Square.....	3	about 1,500
Red Hook.....	2	about 750
Lincoln Terrace.....	2	about 3,000
Bensonhurst.....	2	about 600
Cooper.....	3	about 1,500
Tompkins.....	3	about 2,000
Carroll.....	1	about 4,000
Bushwick.....	2	about 1,000
Metropolitan Avenue Pier.....	9	about 3,000
Dancing Concerts on Pier.....	11	.....

In addition to the band concerts listed above, the United German Singing Societies gave a chorus concert in Prospect Park on September 12th. Through the efforts of the Brooklyn Parks and Playgrounds Committee three evening concerts were given by volunteer vocal talent. One was given in Winthrop Park, one in Tompkins and one in Sunset. These proved to be decidedly successful and it is hoped that the method can be extended another season.

ACTIVE RECREATION.

Preliminary.—During the year a study of each playground was made in which particular attention was directed to the supplies on hand, equipment

and the arrangement thereof. New closets for storing material were placed in several playgrounds and many others were renovated. Apparatus that had not been used for a long period, such as travelling rings, horizontal bars, see-saws, horses and bucks have all been repaired and placed in operation. Additional swings have been placed in each playground to be used while broken swings are at the shops being repaired. Our permanent playgrounds are now in good physical condition.

Administration.—During the year efforts were made to bring the playgrounds up to the highest standard of efficiency. A new system of tabulating the attendance was put into operation by having the Play Leaders record the weekly attendance as well as the daily attendance, relieving the office of this work. Requisitions for supplies were received the first of each month, except in emergency cases. A semi-annual inventory was received from each Play Leader showing the supplies, apparatus and equipment on hand in each playground. All apparatus is inspected each morning. Requisition for repairs is made as soon as the need appears and, by the prompt return of this apparatus from the Department shops, the equipment in the playground is kept in constant use.

Staff.—The permanent Staff of Play Leaders in this Department consists of eight men and eight women Play Leaders, each employed for three hundred days. By the appointment of temporary Play Leaders for the summer season this force was increased to twenty-four men and nineteen women Play Leaders, each of whom received \$3 per diem and worked six hours each day. In the absence of a Civil Service List from which to appoint Play Leaders in the beginning of the summer season it was necessary to make non-competitive temporary appointments. In the middle of the summer a new list for Play Leaders was promulgated by the Civil Service Commission. This retarded our organization of tournaments and summer festivals and made it necessary for the new Play Leaders to adapt themselves to the work in our busiest season. Play Leaders appointed from the new list proved themselves, however, to be very capable for the short period they were in the Department and we look forward to some excellent results from them next year. Play Leaders while on duty wear uniform prescribed for them by the Department.

Permits.

(Issued in order of application.)

Baseball, Season permits to teams.....	1,281
Tennis, Season permits.....	7,419
Football, Season permits to teams.....	223
Soccer, Season permits.....	18
Croquet, Season permits.....	143
Hockey, Season permits.....	13
Cross-Country Course.....	10
Picnics.....	1,071
Athletic Meets.....	14
Field Days.....	2
Cricket, Season permits.....	8

Parade Grounds.—This Department is very fortunate in having at the Parade Grounds a centrally located field of 39.50 acres set aside for athletic sports which can not be played in the crowded sections of the City and in the smaller playgrounds. This splendid recreation field is provided with a well-equipped athletic house. The building contains sixty-four rooms. Forty-seven are locker rooms, each equipped with twelve lockers. An individual room is assigned to each manager or captain for his team, providing privacy and protection of property for all teams using the building. Four rooms are equipped with shower baths. These are used extensively by the players.

Twenty-five baseball diamonds are distributed over the grass area of the Parade Grounds. About one-half are of regulation size and have base lines and pitcher's box cut out on each diamond. These diamonds are maintained in excellent condition and are equivalent to any to be found in the big professional baseball parks. Diamonds are distributed along the side lines of the field, the players batting toward the centre. Between the outfield of the diamond there is a large area on which there are seven cricket fields. In another section of the ground a space is used for seven lawns for bowling on the green.

In the fall and winter this field is converted into six rugby fields and four soccer football fields.

All the facilities at the Parade Grounds were used to capacity and it was not an unusual sight to see twenty thousand people watching the games on Saturday and Sunday afternoons.

Play Lots.—The inadequate number of playgrounds in this borough made it impossible for this Department to provide sufficient play space for the large number of children who are on the streets during the school vacation period. To alleviate this condition as far as possible, the owners of vacant lots were appealed to for the use of their property during the vacation period. A number of interested citizens generously loaned to this Department their property to be used for playground purposes. We installed in these vacant properties sand bins, swings, basketball courts and other equipment according to the area of the ground and the needs of the neighboring sections. Play Leaders were placed in charge to direct the activities of the children and preserve discipline and order on the grounds. These Play Lots were in sections far distant from our regular playgrounds. The majority proved to be very successful and would warrant their opening again until such time as the City may be in a position to build permanent playgrounds in these sections.

Ice Skating.—During the past year ice skating was one of the most popular sports in parks and playgrounds. The ten skating rinks built in the small parks and playgrounds were used to capacity whenever the ice was thick enough to hold the skaters. Thousands of adults as well as children took advantage of the opportunity to take part in this invigorating and healthful exercise. The depth of these ice skating rinks ranges from four



Cricket and Baseball Field, Parade Grounds, Prospect Park.

inches to twelve inches, according to the grade of the surface. The shallow water in these rinks and ponds permits skating with absolutely no danger of serious accidents, and affords skating on many days when it is not possible to open the lakes in Prospect Park because of the depth of water and the scores of thousands who come there in one day.

Coasting.—In Prospect Park the coasting hill built by the Department was unusually popular. Children and adults enjoyed the sport to their hearts' content. The space selected for coasting was banked with snow on both sides to keep the coasters coming down the hill away from the people ascending. The slide down the hill was from the Payne Monument down into the Tennis grounds and was about one-quarter of a mile long. Many other hills in Prospect Park were used for coasting during the heavy snow storms. School children used the large hill in the afternoons and adults participated in the sport on evenings until 10 o'clock. On moonlight evenings this hill presented a beautiful spectacle. Provisions for coasting were also made at McKinley Park, Sunset Park, Highland Park and Fort Greene Park.

Social Centre.—A new form of activity was inaugurated in the late fall of the year when a Social Centre was started at McCarren Park. The field house which had been renovated in the spring of the year and used in connection with the school farm garden work when the garden was in operation, offered an excellent opportunity to experiment with work of this nature. An Advisory Committee composed of people prominent in church, social, educational and settlement work in the neighborhood of McCarren Park was selected, and a meeting of this committee in conjunction with the Department officials was held at the Farm House to decide on questions of policy.

The Farm House was well adapted for the use of a Social Centre, a number of small games were furnished, an open fireplace was installed to provide sufficient heat, chairs, tables and benches were made at the Department shops and electric lights were placed in each room. A graphophone and a number of folk and social dance records were placed at the disposal of those desiring to use them.

The Farm House is divided into three main rooms, consisting of a kitchen, game room and meeting room. The principals of the local schools and the church settlement and other organizations interested in social, educational and recreational work were invited to make use of this Centre. Within a few weeks fifteen clubs were organized and the house was a very busy centre of social activity since its opening. A large diversity of clubs has taken advantage of the facilities provided at this centre, including clubs organized for the promotion of dramatics, dancing, literature, music and singing. A troupe of the Junior American Guards has been organized as well as a group of Camp Fire Girls. Mothers' clubs have held meetings at the centre, and supper clubs have been organized. Two clubs of working girls from factories in the vicinity of the centre have been organized and have one night each week assigned to them. The employers of one of these factories supply refreshments and entertainment, a special dancing teacher and special music

for their social evenings. This, our first Social Centre, has met with even more success than we had at first anticipated and has accomplished much for the young people in the vicinity of McCarren Park.

Festivals and Celebrations.—Throughout the year festivals and celebrations commemorating the various holidays were celebrated by the boys and girls in each playground. A program consisting of about ten numbers was usually arranged by the Play Leaders, including folk dances, games, athletics, songs, recitations, gymnastics, drills and a variety of other activities. The Play Leaders are usually permitted to use their own discretion and initiative in arranging programs of this nature.

Popular Activities.—The Playgrounds offer an opportunity for an unusual variety of activities. With the boys the most popular activities are baseball, basketball, track and field athletics, lawn tennis, volley ball, dodge ball, quoits, calisthenics, gymnastics, dumb-bells, Indian clubs and wand drills. The girls display most interest in volley ball, tether ball, croquet, ring games, singing games, quiet games, tag games, lawn tennis, flag drills, dumb-bell drills, rope jumping, relay racing, story telling, folk dancing and ingenuity work.

Recreation Pier.—The upper deck of the Metropolitan Avenue Pier was placed under the supervision of this Department during the past year. This pier was open from 6 A. M. to 11 P. M. during the summer season. A Play Leader was placed in charge of the play activities and a daily average of 250 children took part in the quiet and active games held on the pier. The Parks and Playground Association assigned a special dancing teacher for two hours each afternoon.

Nine Sunday evening concerts were held at the Pier; an average of 3,000 people each evening attended these concerts and enjoyed the music and the breezes from the river on warm evenings.

Eleven folk dance concerts were held, four musicians and a leader being provided at each concert. During the latter part of the season a graphophone was purchased and placed on the pier, and proved to be very satisfactory for folk dancing.

Betsy Head Playground.—The Betsy Head Playground in the Brownsville section of Brooklyn, transferred to this Department on September 30, 1915, by the Public Recreation Commission, was the largest acquisition to the Department's recreation facilities.

This playground covers an area of 10.50 acres and is divided into two sections. One plot contains the shelter house, rest pavilion, sand house wading pool, playground and school farm. The adjacent plot contains a bath building with fifty shower baths and four hundred lockers, a swimming pool sixty feet wide and one hundred and fifty feet long, a field house with twenty shower baths; quarter mile running track and four tennis courts. The school farm gardens were put into operation on May 24th, 1915, and the playground was opened on July 28th, 1915. It was possible to open these sections previous to the completion of the athletic field and bath building.

The following apparatus was purchased and erected on the children's playground: 32 Baby Swings, 5 See-Saws, 1 Rock-a-Bye, 12 Large Swings, 2 Slides, 1 Giant Stride, 1 Pair of Basketball Standards, 2 Tetherpoles, 6 Iron Garden Swings. An iron shot putting circle, a running broad jump pit and a running high jump pit were dug and filled with clay loam and soccer football goals were erected; all of the above were completed before the official opening, which was held on September 30th, 1915. The attendance at the opening was estimated at 20,000.

The bath house opening was delayed until November 11th to give the contractor an opportunity to complete some miscellaneous items and in order to allow this Department to make the necessary preparations for the opening. The bath house building was open from 8 A. M. to 10 P. M. daily. During the latter half of November and during December 9,771 men and 8,374 women took advantage of the bathing facilities. In the summer we expect to accommodate several thousand bathers each day. Bathing suits will be provided for use in the pool.

First Aid Outfits.—To take care of accidents of a minor nature, which it is difficult to eliminate from a busy playground, first aid outfits have been placed in each playground so that immediate relief can be rendered when accidents occur and assistance is required.

Athletic Association.—At a conference of the Play Leaders an athletic association was organized to promote athletic sports in the park playgrounds and to develop a wider use of the facilities now provided for recreation through an association organized for this purpose. Individual associations are now in the process of formation in each playground. It is the intention of the Department to hold a large number and variety of tournaments and this association will be of great help to us in carrying out our plans.

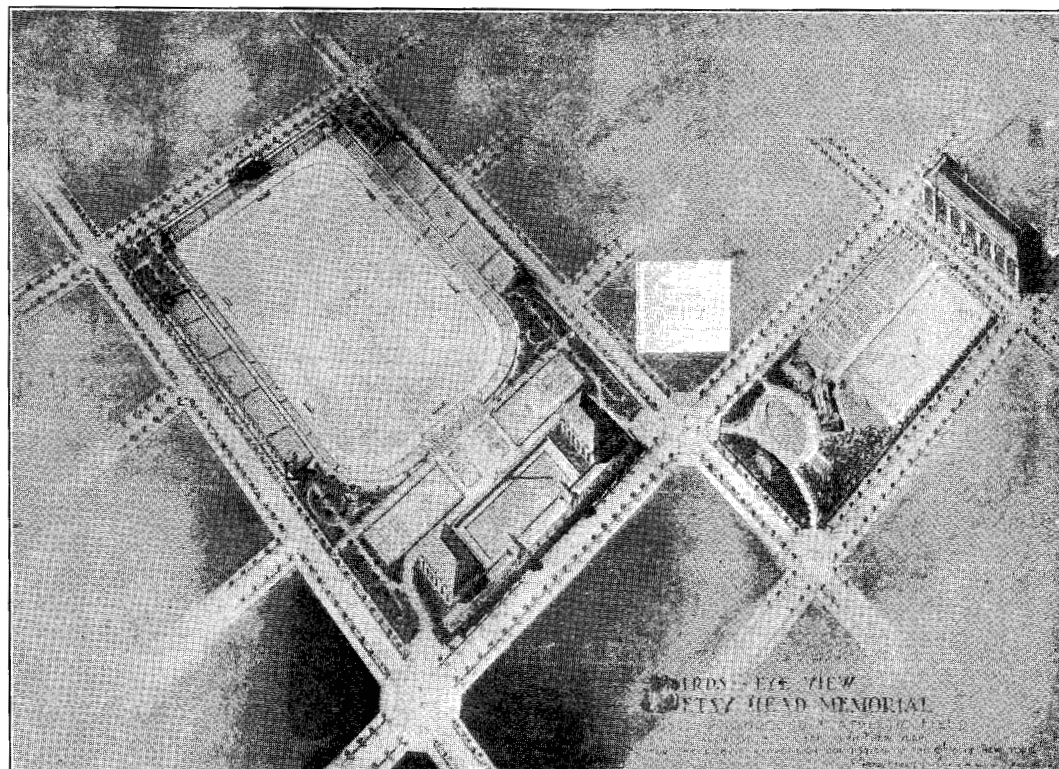
Safe and Sane Fourth of July Celebration.—On July 4th special programs were arranged for all playgrounds. On the boys' side athletic events were contested and attracted large gatherings to the playgrounds; the girls' side of the playground celebrated with festival and athletic events, which were also well attended.

Lawn Tennis.—The Tennis Courts in Prospect Park maintained their usual popularity and were open from May 30th until November 25th. During the past year 5,173 season permits were issued for the use of these courts. On week days three hundred courts provided sufficient space for all players desiring to play. The full number of assignments, however, requested for Saturday afternoons could not be fulfilled, and on many Saturdays there were enough people on line at the tennis house at the opening hour to fill all the courts. Season permits were issued from the main office. No assignments were necessary to use the courts except for Saturday, when assignments were made for two hour periods. Permits were issued and assignments made without charge to players. The three hundred and sixty-eight private lockers used for storing tennis paraphernalia, for which a charge of fifty

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

DISTRIBUTION OF EXPENDITURES FOR YEAR ENDED DECEMBER 31, 1915, ON BASIS OF FUNCTIONS FOR EACH PARK.

	General Expenses		Supervision and General Expenses		Care Roads, Paths and Driveways		Care Trees, Shrubs, Flowers and Lawns		Care Beaches, Lakes and Shore Lines		Operation and Maintenance of Playgrounds and Athletic Fields		Care General Park Improvement and Properties		Care of Bath Houses and Comfort Stations		Care Building and Other Structures Not Otherwise Classified		Music and Celebrations		Total for Year		Compared with 1914 Increase or (d) Decrease	
	1915	1914	1915	1914	1915	1914	1915	1914	1915	1914	1915	1914	1915	1914	1915	1914	1915	1914	1915	1914	1915	1914		
General Administration.....	\$49,085.65	\$47,840.63																			\$49,085.65	\$47,840.63	\$1,245.02	
Automobile Service.....	11,051.06	7,300.23																			11,051.06	7,300.23	3,750.83	
Parks and Playgrounds—																								
Amersfort Park.....			\$226.49	\$773.88	\$612.07	\$502.63	\$602.26	\$728.95					\$32.76	\$19.49						\$263.26	1,473.58	2,288.21	d 814.63	
Bedford Park.....			262.17	1,288.09	1,399.82	1,187.38	1,274.46	1,268.83					43.95	36.12	\$1,438.92	\$1,306.14			\$15.37	4,434.69	5,086.56	d 651.87		
Bensonhurst Park.....			285.32	682.05	530.75	1,311.16	561.25	440.85	\$96.63	\$13.00			123.73	69.85	973.41	47.37			200.29	284.68	2,771.38	2,848.96	d 77.58	
Betsy Head Playground.....			298.29		467.39		144.40				\$7,189.47		191.11		7,729.41		\$784.32		241.16		17,045.55		17,045.55	
Borough Hall Park.....			224.86	235.61	732.74	1,734.14	1,014.99	954.57					104.05	75.71						7.97	2,076.74	3,008.00	d 931.36	
Bushwick Park.....			385.54	1,279.27	1,938.42	1,744.95	1,393.23	892.33					153.15	591.59	1,461.52	1,567.93			200.88	240.58	5,532.74	6,316.65	d 783.91	
Bushwick Playground.....			229.41	1,072.21	202.25	30.76	660.16	2.50		81.95	5,911.99	\$2,925.24	125.79	8.53	835.51	1,263.23				41.25	7,965.11	5,425.67	2,539.44	
Canarsie Park.....			217.80	791.05	533.88	450.37	556.50	505.15					166.96	39.56	195.98	237.61				20.25	23.04	1,691.37	2,046.78	d 355.41
Carroll Park.....			327.45	1,059.58	1,431.43	997.05	967.63	614.07					703.58	140.41	1,314.68	1,638.25				113.18	66.25	4,857.95	4,515.61	342.34
City Park.....			451.62	1,122.70	1,571.12	1,111.52	1,725.41	1,563.91		346.42	1,754.33	986.21	247.14	336.65	1,163.60	1,868.00				42.60	194.75	6,955.82	7,530.16	d 574.34
Cooper Park.....			317.85	1,430.70	1,317.91	816.81	878.89	1,427.48					111.98	133.69	1,381.11	1,301.59				290.50	253.79	4,298.24	5,364.06	d 1,065.28
Dreamland Park.....			215.50	1,187.80	37.30	107.96	852.57		1,283.56	1,797.98			235.44	630.31	202.32	4,914.62	194.98	\$2,750.93		228.75	3,021.77	11,618.35	d 8,596.58	
Dyker Beach Park.....			374.26	785.86	2,143.58	2,815.88	741.35	27.09	284.25	36.75			91.95	2,049.19			52.14	1,025.98			3,687.53	6,740.75	d 3,053.22	
Fort Greene Park.....			624.97	1,596.30	3,101.54	4,186.01	5,162.88	3,183.49					1,014.48	5,121.43	1,994.46	2,518.05			655.00	1,270.07	12,553.33	17,875.35	d 5,322.02	
Fort Hamilton Park.....			290.19	1,011.07	471.12	502.37	830.95	693.16	2.50	2.50			33.86	30.09							1,628.62	2,239.19	d 610.57	
Fulton Park.....			237.70	1,041.25	1,200.09	649.43	445.26	457.09					88.39	51.36	1,023.40	1,025.23					2,994.84	3,224.36	d 229.52	
Highland Park.....			305.28	798.82	2,268.99	2,650.80	2,785.86	1,403.97		589.23	2,966.96	1,438.05	294.38	213.75	1,314.46		164.98				9,935.93	7,259.60	2,676.33	
Irving Square Park.....			273.64	1,040.14	1,105.15	734.90	1,120.86	1,071.98					595.03	367.45	1,280.00	1,164.93				289.38	316.15	4,664.06	4,695.55	d 31.49
Lincoln Terrace Park.....			607.74	1,204.37	2,216.70	1,400.82	1,032.87	1,294.68					224.21	368.46	969.30	2,222.79				190.25	224.55	5,241.07	6,715.67	d 1,474.60
Linton Park.....			221.58	710.09	839.27	730.47	598.29	1,016.15					42.71	84.51	907.46		660.94				2,609.31	3,202.16	d 592.85	
McCarren Park.....			2,385.93	2,630.81	965.90	1,026.33	3,608.60	7,991.49		259.07	10,363.39	12,758.97	2,417.05	151.65	8,434.36	2,931.47			76.25	400.61	28,251.48	28,150.40	101.08	
McKibben Playground.....			313.96	1,034.07	261.88	125.64	563.92	2.19			3,792.65	4,089.03	11.06	402.13	1,117.52	1,019.92					6,060.99	6,672.98	d 611.99	
McKinley Park.....			350.28	1,310.81	1,144.54	534.13	713.68	1,316.79		111.00	284.15		155.65	23.58	997.88	857.94				2.50	3,646.18	4,156.75	d 510.57	
McLaughlin Park.....			399.16	1,456.22	1,294.27	591.50	573.53	324.06		174.50	3,360.21	3,646.41	378.83	559.74	1,276.15	1,428.99				8.65	7,282.15	81,90.07	d 907.92	
New Lots Playground.....			276.01	1,362.86	208.49	136.29	590.04	74.90			4,160.81	2,688.22	339.67	48.28	1,068.31	1,126.42					6,643.33	5,436.97	1,206.36	
Parade Grounds.....			1,393.46	1,604.06	386.25	316.04	1,525.45	1,063.81		543.63	726.48	1,374.13	111.95	78.42			4,094.04	4,527.78			8,237.63	9,507.87	d 1,270.24	
Prospect Park.....			15,428.08	26,546.03	41,910.82	36,910.98	51,870.48	67,643.17	2,278.09	3,188.48	5,070.76	3,128.51	5,045.76	5,080.12	9,916.39	20,746.77	26,990.63	29,926.38	6,759.22	10,833.20	165,269.54	204,003.64	d 39,773.56	
Red Hook Park.....			369.57	887.11	1,336.05	1,382.18	1,101.01	901.02					860.63	330.77	1,655.89	929.48			194.88	461.95	5,518.03	4,892.51	625.52	
Red Hook Playground.....			35.56	459.51	106.74	227.23	59.98	123.15		75.15	3,325.85	3,160.47	80.36	92.82	666.69	643.80					4,275.18	4,782.13	d 506.95	
Saratoga Park.....			275.51	1,062.25	1,087.72	747.85	1,297.27	1,616.83					264.99	56.55	1,187.18	1,160.70			300.74	333.70	4,413.41	4,977.88	d 564.47	
Seaside Park.....			1,891.23	3,715.07	3,339.07	2,771.68	2,755.12	2,560.42	3,036.82	5,020.92			853.46	766.19	2,658.10	3,699.95	701.57			547.45	15,782.82	18,584.23	d 2,751.41	
Sunset Park.....			596.84	1,708.91	3,204.95	2,581.78	6,854.68	5,073.10	208.75	302.09			986.44	780.03	1,302.59	2,913.59				1,221.94	1,627.81	14,469.53	14,893.97	d 424.44
Tompkins Park.....																								



Birdseye View, Betsy Head Playground.

cents per season is made, were insufficient to supply the demand. However, those unable to secure private lockers were taken care of in the six hundred and eleven general lockers for which a charge of twenty-five cents per season is made.

The twenty-eight dirt tennis courts at Highland Park and the fourteen courts at McCarren Park were conducted along the same lines, except that we had no storing facilities for nets, etc., and this Department furnishes nets on these courts. Several new courts laid out in the smaller playgrounds were used very extensively.

Use of Playgrounds by Schools.—At McLaughlin Park Playground, Public School No. 5, which is directly opposite, is experimenting with the Ettinger System. Several hundred children are sent to the playground daily during school hours to carry out the recreation part of their program. Classes from schools in the vicinity of McKibben playground and Betsy Head Playground also visit the playgrounds during school hours. The Play Leaders of this Department assist the teachers accompanying these children in organizing and conducting games.

It is our hope that the school principals in the vicinity of our other playgrounds will have the pupils make more extensive use of our facilities throughout the day and that in the changes now contemplated in the organization of the schools new emphasis may be either given to outdoor athletics and recreation.

Needs.

A separate report might be written about the needs of the Park system. With the present financial condition of the City it has seemed necessary for the past two years to concentrate effort upon the fuller development and larger use of existing properties. These efforts will be pretty substantially carried out by the end of another year.

Further steps for the completion of Brooklyn's fine parkway system are highly desirable. The building out of the banks along the Shore Road can be accomplished most cheaply while subway construction is still in progress. This also applies to the building of a Shore Road Extension in front of Fort Hamilton. No less important is the making of a semi-circular parkway along the route of the old Kings Highway in South Brooklyn, connecting the Eastern Parkway with the Ocean Boulevard and making a new route through connecting streets with the Shore Road.

It is desirable that in preparing a City plan for restriction of buildings in various districts or zones due consideration be given to the possibilities of the small parks as neighborhood centres and that their immediate surroundings be restricted accordingly. We are already co-operating with the City Plan Committee of the Board of Estimate for this purpose.

The supply of small parks and playgrounds in Brooklyn, considering area and population, is conspicuously inadequate. It is hoped that the City can soon contribute something in this direction, that local property owners

may help to solve the problem by consenting to assessment where the benefit would warrant and that some wealthy citizens may see the opportunity to serve the community in a broad constructive way by gifts which will add to its available open spaces. In this connection residents of Manhattan should recognize that this is all one great City and that there are opportunities in Brooklyn to contribute to the recreation facilities of the City as a whole. Some special needs are a small park and playground for the crowded Williamsburg section, playground for central Fulton Street section, filling in and development of the salt marsh at Dyker Beach, turning over of the site of the old Disciplinary Training School for a park in South Brooklyn, turning over of an abandoned school site on Carroll Street, and building of a new Municipal bath house at Dreamland Beach. It is also desirable to secure fuller use of the park playgrounds by having children come to them in groups throughout the day instead of in one rush after school hours. If anything like the Gary Plan of school organization is adopted this will doubtless follow. It is a matter of extreme importance that more emphasis be put by the Department of Education upon provisions for outdoor recreation than has been done in the past. Some schools can be accommodated on existing playgrounds. For other schools play space should be provided.

**PARKS, PLAYGROUNDS, PARKWAYS AND STREETS UNDER JURISDICTION
OF THE DEPARTMENT OF PARKS, BOROUGH OF BROOKLYN.**

Park	Location	Area in Acres	Length of Interior Walks in Miles	Appraised Valuation
1 Amersfort Park...	Avenue J, E. 38th St., Avenue I and E. 39th St.....	3.56	0.41	\$64,500
2 Bedford Park.....	Kingston and Brooklyn Aves., Prospect and Park Places....	4.10	0.50	325,000
3 Bensonhurst Park.	Bay Parkway, Gravesend Bay, 21st and Cropsey Aves.	13.00	0.24	240,000
4 Borough Hall Park	Joralemon, Court and Fulton Sts.....	1.70	....	3,314,000
5 Brooklyn Botanic Garden and Ar- boretum.....	Eastern Parkway, Washington and Flatbush Aves. and Mal- bone St.....	59.40	2.46	9,775,000
6 Brooklyn Heights Parks.....	Columbia Heights, fronting on Furman St.....	.86	....	131,500
7 Bushwick Park....	Knickerbocker and Irving Aves., Starr and Suydam Sts.....	6.86	0.65	305,000
8 Canarsie Park....	Skidmore, Sea View and Denton Aves., E. 88th St. and E. 93d St., Bryne Pl. and Jamaica Bay.....	30.50	0.10	115,000
9 Carroll Park.....	President, Court, Carroll and Smith Sts.....	1.90	0.29	165,000
10 City Park.....	St. Edwards and Navy Sts., Park and Flushing Aves.....	7.50	0.42	491,000

Note.—All appraised valuations include buildings and other structures on the lands.

**Parks, Playgrounds, Parkways and Streets Under Jurisdiction of the Department of
Parks, Borough of Brooklyn—Continued.**

Park	Location	Area in Acres	Length of Interior Walks in Miles	Appraised Valuation
11 Coney Island Con- course Lands (ex- clusive of Seaside Park).....	West 5th St., Sea Breeze Ave. and Atlantic Ocean.....	59.70	....	1,132,000
12 Cooper Park.....	Maspeth and Morgan Aves., Sharon and Olive Sts.....	6.10	0.52	140,000
13 Cooper Gore.....	Junction of Metropolitan and Orient Aves.....	0.15	....	7,000
14 Cuyler Gore.....	Cumberland and Fulton Sts. and Greene Ave.....	0.08	....	25,000
15 Dreamland Park..	W. 5th St., W. 8th St., Surf Ave. and Atlantic Ocean.....	14.70	....	839,500
16 Dyker Beach Park	7th Ave., Bay 8th St., Cropsey Ave., 14th Ave. and Graves- end Bay.....	139.80	....	778,000
17 Fort Greene Park.	DeKalb Ave., Washington Park, Willoughby and St. Edwards Sts. and Myrtle Ave.....	28.90	1.61	3,098,500
18 Ft. Hamilton Park	4th Ave., 101st St., Ft. Hamilton Ave. and Shore Road.....	4.60	0.33	539,000
19 Fulton Park.....	Chauncey and Fulton Sts., and Stuyvesant Ave.....	2.00	0.20	143,500
20 Highland Park....	Jamaica Ave., U. S. National Cemetery, Borough Line and Warwick St. Extension.....	42.58	1.45	491,500
21 Irving Sq. Park...	Hamburg and Knickerbocker Aves., Weirfield and Halsey Sts.....	2.98	0.32	281,000
22 Lincoln Ter. Park.	Eastern Parkway, Buffalo and Rochester Aves. and President St.....	7.60	0.61	151,200
23 Linton Park.....	Bradford St., Blake, Dumont and Miller Aves.....	2.29	0.30	81,000
24 McKinley Park...	Ft. Hamilton and 7th Aves. and 73d St.....	8.50	....	201,210
25 Prospect Park....	Prospect Park West, Flatbush, Ocean, Parkside, Coney Is- land Aves. and 15th St.....	526.00	16.10	30,766,000
26 Red Hook Park...	Richards, Verona, Dwight and Pioneer Sts.....	5.28	0.69	182,000
27 Saratoga Sq.....	Saratoga and Howard Aves., Halsey and Macon Sts.....	3.20	0.36	223,600
28 Seaside Park.....	Ocean Parkway, Concourse, W. 5th St. and Sea Breeze Ave..	10.30	0.61	625,000
29 Stuyvesant Gore..	Stuyvesant and Vernon Aves. and Broadway.....	0.08	....	6,000
30 Sunset Park.....	41st and 44th Sts., 5th and 7th Aves.....	24.50	1.53	844,500
31 Tompkins Park...	Tompkins, Greene, Marcy and Lafayette Aves.....	7.80	0.66	460,000
32 Underhill Gore...	Underhill and Washington Aves. and Pacific St.....	0.10	....	6,500
33 Vanderveer Park..	East New York and Pitkin Aves. Barret and Grafton Sts.....	0.21	0.08	15,000
34 Winthrop Park...	Nassau and Driggs Aves., Rus- sel and Monitor Sts.....	9.10	0.94	505,000
35 Woodpoint Gore..	Bushwick, Metropolitan and Maspeth Aves.....	0.05	....	1,000
36 Unnamed Park....	Eastern Parkway, Washington and Classon Aves.....	1.36	....	65,000

Parks, Playgrounds, Parkways and Streets Under Jurisdiction of the Department of Parks, Borough of Brooklyn—Continued.

Park	Location	Area in Acres	Length of Interior Walks in Miles	Appraised Valuation
37 Unnamed Park....	Roebling St., Division and Lee Aves.....	0.14	....	14,500
Totals, Parks.....		1,037.48	31.38	\$56,548,510
Playground				
38 Betsy Head Memorial Play-ground.....	Livonia, Dumont and Hopkinson Aves. and Douglas St.; and Dumont, Blake, Hopkinson Aves. and Bristol St....	10.50	0.76	370,000
39 Bushwick Play-ground.....	Putnam Ave. between Knickerbocker and Irving Aves.....	2.80	0.04	68,000
40 McCarren Park...	Berry, Lorimer, Leonard, Bayard and N. 12th Sts., Nassau, Driggs, Manhattan and Union Aves.....	38.42	1.35	1,321,000
41 McKibbin Play-ground.....	Seigel, White and McKibbin Sts.....	1.37	....	70,000
42 McLaughlin Park.	Bridge, Tillary and Jay Sts....	3.30	0.32	367,500
43 New Lots Play-ground.....	Sackman St., Riverdale, Newport and Christopher Aves...	2.29	0.07	73,000
44 Parade Ground...	Coney Island, Parkside and Catton Aves.....	39.50	0.22	1,500,000
45 Red Hook Play-ground.....	Richards, King, Dwight and Pioneer Sts.....	2.29	....	52,000
46 Williamsburg Bridge Park.....	Bedford and Kent Aves., S. 5th and S. 6th Sts.....	4.30	0.28	275,000
Totals, Playgrounds.....		104.77	3.04	\$4,096,500

**Parks, Playgrounds, Parkways and Streets Under Jurisdiction of the Department of
Parks, Borough of Brooklyn—Continued.**

Parkways and Streets	Location	Miles	Area in Acres be- tween Property Lines	Appraised Valuation
1 Bay Parkway.....	Ocean Parkway between Ave- nues I and J, to Bensonhurst Beach.....	2.56	30.99	\$1,000,000
2 Bay Ridge Park- way.....	Ft. Hamilton Ave. between 66th and 67th Sts., to 1st Ave. be- tween 66th St. and Wakeman Pl.....	1.40	40.89	717,700
3 Buffalo Ave.....	Eastern Parkway, between Rochester and Ralph Aves., to East New York Ave., between E. 96th and E. 98th Sts.....	0.12	1.98	31,000
4 Bushwick Ave....	Eastern Parkway, between De- Sales Pl. and Stewart St. to Jamaica Ave., between Shef- field and New Jersey Aves....	0.42	4.95	82,500
5 Eastern Parkway.	Prospect Park Plaza to Ralph Ave., between Union St. and Lincoln Pl.....	2.50	61.12	3,000,000
6 Eastern Parkway Extension.....	Ralph Ave., between Union St. and Lincoln Pl. to Bush- wick Ave., between DeSales Pl. and Stewart St.....	1.39	18.55	1,300,000
7 Ft. Hamilton Ave.	Ocean Parkway and Prospect Ave. to Fort Hamilton.....	4.27	48.15	1,000,000
8 Highland Boule- vard.....	Bushwick Ave., between Dahlia and Gillen Places to Highland Park.....	0.67	9.00	150,000
9 Lincoln Rd.....	Ocean Ave. to Bedford Ave., be- tween Lefferts Ave. and Maple St.....	0.30	2.61	138,900
10 Ocean Parkway...	Prospect Park Circle to Coney Island Concourse.....	5.50	140.00	4,000,000
11 Parkside Ave.....	Prospect Park Circle to Flat- bush Ave. at Robinson St....	0.68	8.15	433,800
12 Plaza St.....	Prospect Park Plaza.....	0.38	4.31	229,400
13 Pennsylvania Ave.	Jamaica Ave., between Sheffield and New Jersey Aves., to Jamaica Bay.....	2.50	19.24	630,100
14 Rockaway Park- way.....	Buffalo Ave. at East New York Ave. to Canarsie Beach, be- tween E. 96th and E. 98th Sts.....	3.12	40.90	773,000
15 Shore Road.....	First Ave., between 66th St. and Wakeman Pl. to Fort Ham- ilton.....	2.65	121.00	5,000,000
Totals, Parkways and Streets.....		28.46	551.84	\$18,486,400

SUMMARY.

	Acres	Appraised Valuation
Total Area—Parks.....	1,037.48	\$56,548,510
Total Area—Playgrounds.....	104.77	4,096,500
Total Area—Parkways and Streets.....	551.84	18,486,400
Grand Totals.....	1,694.09	\$79,131,410

DEPARTMENT OF PARKS.

Borough of Brooklyn.

Table of Comparison of Population of Brooklyn to Acreage of Parks.

Year	Popula- tion	Park Area	*Ratio of Park Area to Population	*Proper Park Acreage According to Population
1898.....	1,917,100	1,045.95	1 acre to 1,144 pop.	5,986
1899.....	1,256,175	1,045.95	1 acre to 1,201 pop.	6,281
1900.....	1,266,582	1,045.95	1 acre to 1,211 pop.	6,333
1901.....	1,270,550	1,045.95	1 acre to 1,215 pop.	6,353
1902.....	1,313,095	1,045.95	1 acre to 1,255 pop.	6,565
1903.....	1,359,172	1,055.23	1 acre to 1,288 pop.	6,796
1904.....	1,387,351	1,055.23	1 acre to 1,315 pop.	6,937
1905.....	1,402,729	1,063.73	1 acre to 1,318 pop.	7,014
1906.....	1,426,166	1,063.73	1 acre to 1,340 pop.	7,131
1907.....	1,489,536	1,063.73	1 acre to 1,400 pop.	7,448
1908.....	1,492,970	1,063.73	1 acre to 1,403 pop.	7,465
1909.....	1,539,235	1,063.73	1 acre to 1,450 pop.	7,696
1910.....	1,634,351	1,126.30	1 acre to 1,452 pop.	8,172
1911.....	1,668,119	1,126.30	1 acre to 1,482 pop.	8,340
1912.....	1,701,887	1,141.11	1 acre to 1,492 pop.	8,509
1913.....	1,735,655	1,141.11	1 acre to 1,522 pop.	8,678
1914.....	1,769,423	1,141.25	1 acre to 1,551 pop.	8,847
1915.....	1,803,191	1,142.25	1 acre to 1,578 pop.	9,015

* The actual average provision for parks and public grounds for American cities is one (1) acre to every two hundred (200) of the population. The last column takes this average of 200 as a standard.

STATISTICAL CHART.

Parks, Combined Parks and Playgrounds, and Playgrounds, December 31, 1915.

Total Number.....	46
Total Acreage.....	1,142.25
Acreage per 1,000 Inhabitants.....	0.633
Appraised Total Value.....	\$60,645,010.00
Average Value Per Acre.....	53,092.59
Value Per Inhabitant.....	\$33.63
Total Mileage of Drives and Bridle Road.....	11.91
Total Mileage of Walks.....	34.42

Parkways (Not Including Drives in Parks).

Total Number.....	15
Total Mileage.....	28.46
Mileage Per 1,000 Inhabitants.....	0.016
Total Acreage.....	551.84
Appraised Total Value.....	\$18,486,400.00
Average Value Per Acre.....	\$33,499.56
Value Per Inhabitant.....	\$10.25

TABLE SHOWING PARK PLAYGROUND, PERIOD OPEN, ATTENDANCE AND
COST OF PLAY LEADER'S SUPERVISION.

1915.

Park Playgrounds	Period Open	Attendance	Cost of Playleader's Supervision
Alice Court.....	July 24 to Sept. 11	8,047	\$98.25
Atlantic Avenue.....	July 2 to Sept. 11	11,441	237.00
Betsy Head.....	July 28 to Dec. 31	300,354	1,878.75
Bushwick A. F.....	July 7 to Sept. 4	20,960	160.50
Bushwick P. G.....	Jan. 1 to Dec. 31	490,871	2,156.25
City Park.....	April 1 to Dec. 31	206,377	921.00
Edison Field.....	July 31 to Sept. 12	5,022	102.00
Gates Avenue.....	July 26 to Sept. 11	6,755	118.50
Heyward Street.....	July 9 to Sept. 11	8,666	174.00
Highland Park.....	May 28 to Dec. 31	122,725	441.00
McCarren, North, Boys.....	Jan. 1 to Dec. 31	389,627	3,234.00
McCarren, North, Girls.....	Aug. 12 to Dec. 31	66,351	
McCarren, South, Girls.....	Jan. 1 to Dec. 31	138,610	
McCarren, Tennis and Baseball.....	April 11 to Dec. 31	271,008	
McCarren, Social Centre.....	Dec. 15 to Dec. 31	385	2,352.37
McKibbin.....	Jan. 1 to Dec. 31	448,501	
McLoughlin.....	Jan. 1 to Dec. 31	397,870	2,217.38
Met. Avenue Pier.....	July 19 to Sept. 11	10,602	129.00
Myrtle Avenue.....	July 24 to Sept. 11	5,888	116.25
New Lots.....	Jan. 1 to Dec. 31	668,732	2,214.75
Parade Grounds.....	April 1 to Dec. 31	1,033,450	.....
Prospect Park:			
Croquet Field.....	May 29 to Nov. 15	23,632	.....
Hockey Field.....	May 1 to Dec. 31	2,615	.....
Picnic Grounds.....	May 8 to Nov. 1	76,513	.....
Tennis Field.....	May 29 to Nov. 25	89,480	.....
Red Hook.....	Jan. 1 to Dec. 31	347,558	2,088.00
Schermerhorn Street.....	July 17 to Sept. 11	5,404	141.00
Sedgwick Street.....	July 7 to Sept. 11	13,269	181.50
Sunset.....	June 15 to Nov. 13	3,235	.....
Williamsburg Bridge.....	July 24 to Nov. 30	76,221	666.75
York Street.....	July 1 to Sept. 11	17,452	421.50
Vacations.....	.....	.....	651.00
Undistributed.....	.....	.....	201.00
Field Staff.....	.....	.....	884.25
Total.....	.....	5,267,621	\$21,786.00
School Farms.			
Betsy Head.....	May 24 to Dec. 1	78,404	\$1,796.26
McCarren.....	April 15 to Dec. 1	107,884	2,648.38
Total.....	.....	186,288	\$4,444.64

RECREATION FACILITIES.

In Operation 1915.

PLAYGROUNDS.

Name	Acreage	Location	Description
Betsy Head.....	10.50	Blake, Hopkinson and Dumont Avenues....	Girls' Playground with Wading Basin; Boys' Athletic Field and Track; Tennis Courts; Shower and Swimming Pool.
Bushwick.....	2.80	Putnam, Irving and Knickerbocker Avenues	Boys' and Girls' Playgrounds; Wading Pool.
City.....	2.00	Park Avenue and Navy Street.....	Girls' Playground; Wading Pool.
McCarren North.....	38.42	Lorimer Street and Driggs Avenue.....	Boys' Playground; Athletic Field and Track.
McCarren North.....	38.42	Lorimer Street and Driggs Avenue.....	Girls' Playground.
McCarren South.....	38.42	Lorimer Street and Driggs Avenue.....	Girls' Playground.
McCarren Fields.....	38.42	Lorimer Street and Driggs Avenue.....	Tennis Courts and Baseball Diamonds.
McKibbin.....	1.37	McKibbin, Seigel and White Streets.....	Boys' and Girls' Playgrounds.
McLaughlin.....	3.30	Bridge, Jay and Tillary Streets.....	Boys' and Girls' Playgrounds.
New Lots.....	2.29	Sackman and Christopher Streets.....	Boys' and Girls' Playgrounds.
Red Hook.....	2.29	Dwight, Richards and Pioneer Streets.....	Boys' and Girls' Playgrounds.
Williamsburg.....	2.00	South Street and Wythe Avenue.....	Boys' and Girls' Playgrounds.
Highland Park.....	18.50	Jamaica Avenue and Cleveland Street.....	Tennis Courts; Baseball Diamonds and Football Field.
Sunset Park.....	.20	Fifth Avenue and 44th Street.....	Tennis Courts.
In Prospect Park.			
Cross Country Courses....	3 miles	Prospect Park West, Flatbush, Ocean, Parkside and Coney Island Avenues and 15th Street.....	
Croquet Field.....	12.50		
Hockey Field.....	8.00		
Picnic Grounds.....	10.00		
Tennis Courts.....	34.00		
Lakes.....	33.16	Coney Island and Parkside Avenues.....	Baseball Diamonds; Bowling on the Green; Cricket Fields; Football Fields.
Parade Grounds.....	31.50		

THE CITY OF NEW YORK.

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

SUMMARY OF EXPENDITURES FOR YEAR ENDED DECEMBER 31, 1915, ON BASIS OF BUDGET CLASSIFICATIONS, INCLUDING ISSUE OF SPECIAL REVENUE BONDS.

CARE OR OPERATION AND MAINTENANCE OF

	General Adminis- tration and Expenses	Park Supervision and General Expenses	Roads, Paths and Drive- ways	Trees, Shrubs, Flowers and Lawns	Trees in City Streets	Playgrounds and Athletic Fields, Beaches, Lakes	General Park Improve- ments and Properties	Bath Houses and Comfort Stations	Buildings and Other Structures Not Otherwise Classified	General Equip- ment	Music and Educational and Operative Activities	Total for Year	Increase or (d) Decrease
Personal Service.....	\$49,838.83	\$71,888.35	\$93,267.45	\$105,026.07	\$35,592.62	\$50,764.07	\$17,783.40	\$43,019.29	\$26,691.91	\$5,223.08	\$57,199.92	\$556,294.99	d \$34,743.09
Supplies—													
Forage and Veterinary.....											13,622.38	13,622.38	d 232.30
Fuel.....				2,596.48				2,760.41	2,875.11		459.91	8,691.91	d 414.38
Office.....	1,132.01											1,132.01	134.77
Medical and Surgical.....											63.80	63.80	63.80
Cleaning and Disinfecting.....	.75			10.83		38.68	5.30	206.38	76.27		67.86	406.07	76.39
Educational and Recreational.....		62.00				436.42						498.42	45.85
Botanical and Agricultural Supplies.....				15,769.03	2,884.36	170.57						18,823.96	d 11,622.92
Motor Vehicle.....	1,199.99											1,199.99	633.53
General Plant.....	281.53	538.68	105.96	29.78	12.20	58.02	.15	491.11	178.07		42.32	1,737.82	d 218.17
Wearing Apparel.....	7.68	130.33			7.32			2,722.50				2,867.83	2,599.22
Total.....	\$52,460.79	\$72,619.36	\$93,373.41	\$123,432.19	\$38,496.50	\$51,467.76	\$17,788.85	\$49,199.67	\$29,821.36	\$5,223.08	\$71,456.19	\$605,339.18	d \$43,677.23
Purchase of Equipment—													
Office.....	\$229.48											\$229.48	d \$1,811.09
Live Stock.....													d 912.50
Motor Vehicles and Equipment.....	4,561.61											4,561.61	1,225.96
Educational and Recreational.....	27.00					\$1,932.26						1,959.26	585.26
General Plant.....	3.90			\$269.22	\$39.14		\$4,536.95	\$810.89	\$368.99	\$4,684.03	\$474.20	11,187.32	2,532.39
Tree Guards and Labels.....				205.40	175.59							380.99	d 14.43
Total.....	\$4,821.99			\$474.62	\$214.73	\$1,932.26	\$4,536.95	\$810.89	\$368.99	\$4,684.03	\$474.20	\$18,318.66	\$1,605.59
Materials—													
Highway.....			\$16,153.34									\$16,153.34	d \$1,343.93
Sewer, Building and General Plant.....	\$51.88	\$3,087.55		\$3,496.02		\$2,069.78	\$6,390.20	\$3,043.28	\$4,224.72	\$953.94	\$8,207.40	31,524.77	3,801.99
Motor Vehicle.....	47.57											47.57	d 380.43
Total.....	\$99.45	\$3,087.55	\$16,153.34	\$3,496.02		\$2,069.78	\$6,390.20	\$3,043.28	\$4,224.72	\$953.94	\$8,207.40	\$47,725.68	\$2,077.63
Contract or Open Order Service—													
General Repairs.....	\$559.51		\$4,251.74	\$728.18		\$985.00	\$76.89	\$4,849.50	\$680.77	\$2,310.18	\$215.00	\$14,656.77	d \$6,237.77
Hire of Horses and Vehicles with Drivers.....	118.50	\$4,386.62	32,617.73	18,889.27	\$9,306.04	4,202.52	290.40				12.75	69,823.83	d 27,527.52
Shoeing and Boarding Horses, includ- ing Veterinary Services.....											125.00	125.00	d 61.00
Carfare and Traveling Expenses.....	673.04	1,296.75			730.15							2,699.94	d 395.15
Expressage and Deliveries.....													d 26.07
Telephone Service.....	1,243.34	427.88										1,671.22	3.92
General Plant Service.....	6.17											6.17	d 59.29
Licenses for Autos.....	20.00											20.00	d 5.00
Music.....											11,400.00	11,400.00	d 2,865.00
Hire Camp Chairs, Piano and Lights											112.00	112.00	d 237.40
Total.....	\$2,620.56	\$6,111.25	\$36,869.47	\$19,617.45	\$10,036.19	\$5,187.52	\$367.29	\$4,849.50	\$680.77	\$2,310.18	\$11,864.75	\$100,514.93	d \$37,410.28
Contingencies.....	\$133.92											\$133.92	d \$1,474.78
Grand Total.....	\$60,136.71	\$81,818.16	\$146,396.22	\$147,020.28	\$48,747.42	\$60,657.32	\$29,083.29	\$57,903.36	\$35,095.84	\$13,171.23	\$92,002.54	\$772,032.37	d \$78,879.07

Recreation Facilities—Continued.

PLAY LOTS.

Name	Location
Alice Court.....	Atlantic Avenue, opposite Alice Court Apartments.
Atlantic Avenue.....	Atlantic Avenue, between Classon and Grand Avenues.
Bushwick N. S. Athletic Field.....	Putnam, Irving and Knickerbocker Avenues.
Edison Field.....	Henry and Lorraine Streets.
Gates Avenue.....	Gates Avenue, near Throop Avenue.
Heyward Street.....	Heyward Street, between Bedford and Wythe Avenues.
Myrtle Avenue.....	Myrtle Avenue, between Lewis Avenue and Broadway.
Schermerhorn Street.....	Schermerhorn Street and Boerum Place.
Sedgwick Street.....	Sedgwick and Columbia Streets and East River.
York Street.....	York Street, near Fulton Street, under Brooklyn Bridge.

PIERS.

Metropolitan Avenue.....	Foot of Metropolitan Avenue.
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SCHOOL FARMS.

Betsy Head.....	Blake, Hopkinson and Dumont Avenues.
McCarren.....	Lorimer Street and Driggs Avenue.

DEPARTMENT OF PARKS, BOROUGH OF BROOKLYN.

Financial Statement for Year Ended December 31st, 1915.

	Amount	Total	Percentage of Total
Expenditures.			
Administration—General.....	\$49,085.65	.....	6.3
Automobile Service.....	11,051.06	.....	1.5
Care of Land and Improvements....	396,341.74	.....	51.3
Operation and Maintenance of Play- grounds and Athletic Fields.....	57,128.25	.....	7.4
Maintenance and General Park Im- provements of Property.....	29,083.29	.....	3.7
Care of Departmental Buildings and Structures.....	98,168.92	.....	12.7
Miscellaneous Expenses.....	118,002.23	.....	15.2
Maintenance of General Park Equip- ment.....	13,171.23	.....	1.9
Total Operating Expenditures.....	\$772,032.37	.....	100.0
Receipts.			
Miscellaneous Receipts.....	\$40.87	.....	.29
Privileges and Concessions.....	13,561.17	.....	85.58
Bay Window Permits.....	2.40	.....	.01
Tennis Lockers.....	347.75	.....	2.19
Monument Fees.....	217.30	.....	1.37
Baths (Soap and Towels).....	65.41	.....	.41
Moving Picture Permits.....	177.00	.....	1.11
Earth Fills.....	740.00	.....	4.67
Sale of Old Property.....	693.37	.....	4.37
Total Receipts.....	\$15,845.27	.....	100.00

Note:—The receipts for the year amounted to \$33,734.47. The difference being in Special and Trust Fund Accounts.

Net Operating Expenditures, \$757,187.10.

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

Summary of Expenditures for Year Ended December 31, 1915, on Basis of Cost by Functions. (Statement No. 1.)

GENERAL ADMINISTRATION.

Executive Offices.

	General Office (Undis- tributed)	Supervisor of Recreation	Office of Com- missioner	Office of Super- intendent	Office of En- gineer	Audit and Accounts	Purchase and Storage of Supplies	Total for 1915	Increase or Decrease as Compared with 1914
Operation—									
Personal Service (Salaries) . . .	\$2,550.16	\$1,375.00	\$4,339.84	\$6,058.99	\$8,930.14	\$7,100.00	\$4,750.00	\$35,104.13	.....
Others not classified (wages)		201.00	797.63	.....	2,359.75	.....	5,399.69	8,758.07	.....
Detailed to Finance Dept..	.....	.....	.....	.....	.....	1,075.00	.....	1,075.00	.....
Total, Personal Service..	\$2,550.16	\$1,576.00	\$5,137.47	\$6,058.99	\$11,289.89	\$8,175.00	\$10,149.69	\$44,937.20	\$3,505.37 I
Other Than Personal Service—									
Supplies—									
Office.....			\$1,132.01	.....	.....	.....	.....	.....	.....
Communication—									
Telephone Service.....			1,243.34	.....	.....	.....	.....	.....	.....
Transportation—									
Carfare.....			655.94	.....	.....	.....	.....	.....	.....
Express and Deliveries..			118.50	.....	.....	.....	.....	.....	.....
General Plant Service.....			291.54	.....	.....	.....	.....	.....	.....
Contingencies.....			126.18	.....	.....	.....	.....	.....	.....
Total, Other Than Per- sonal Service.....			\$3,567.51	.....	.....	.....	.....	.....	.....
Total, Operation.....			\$48,504.71	.....	.....	.....	.....	.....	.....

Maintenance—

Office Equipment—									
Replacement.....			\$229.48						
Repairs—Departmental....			202.51						
Contract or Open Order									
Service.....			93.21						
General Plant Equipment—									
Replacement.....			55.74						
Total Maintenance....			\$580.94						

Automobile Service (Statement
No. 2).....

\$11,051.06

Total General Administration

\$60,136.71

Value of Stores Disbursed..... \$60,193.86

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

**Summary of Expenditures for Year Ended December 31, 1915, on Basis of Cost
by Functions. (Statement No. 2).**

AUTOMOBILE SERVICE.

	Total for 1915	Increase or Decrease as Compared with 1914
Operation—		
Personal Service.....	\$3,631.51	.....
Supplies.....	769.28	.....
Gasoline.....	451.46	.....
Lubricants.....	124.40	.....
Other.....	395.30	.....
Contract or Open Order Service.....		
Total Operation.....	\$5,371.95	\$1,521.02 I
Maintenance—		
Automobiles—Purchase of.....	\$3,226.05	.....
Tires and Inner Tubes.....	936.93	.....
Repairs—Departmental.....	809.00	.....
Contract or Open Order Service.....	41.10	.....
Body and Top—		
Repairs—Departmental.....	58.08	.....
Chassis and Engine—		
Repairs—Departmental.....	169.80	.....
Appurtenances—		
Replacements.....	341.33	.....
Repairs—Departmental.....	66.92	.....
Contract or Open Order Service.....	29.90	.....
Total Maintenance.....	\$5,679.11	\$2,229.81 I
Total Automobile Service.....	\$11,051.06	\$3,750.83 I
Auto Truck, 1.		
Automobiles, 11.		

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

**Summary of Expenditures for Year Ended December 31, 1915, on Basis of Cost
by Functions. (Statement No. 3).**

CARE OF LAND AND IMPROVEMENTS.

	Total for 1915	Increase or Decrease as Compared with 1914
Supervision and General Expenses—		
Personal Services.....	\$55,137.20	.....
Transportation—Carfare.....	1,296.75	.....
Hire of Horses and Vehicles with Drivers.....	236.75	.....
Communication.....	427.88	.....
Miscellaneous.....	669.01	.....
Total Supervision and General Expenses.	\$57,767.59	\$44,484.19 (d)
Care of Roads, Paths and Driveways—		
Cleaning, Oiling and General Care.....	\$99,683.07	.....
Snow Removal.....	14,597.90	.....
Repairs to Roads and Driveways.....	28,828.94	.....
Repairs to Paths and Walks.....	3,286.31	.....
Total, Care of Roads, Paths and Driveways	\$146,396.22	\$30,674.90 (d)
Care of Trees, Shrubs, Flowers and Lawns—		
Care of Trees and Shrubs.....	\$50,190.84	.....
Care of Flowers and Plants.....	9,943.15	.....
Care of Lawns.....	51,975.65	.....
Total, Care of Trees, Shrubs, Flowers and Lawns.....	\$112,109.64	\$17,762.03 (d)
Care of Beaches, Lakes and Shore Lines—		
Labor, Supplies and Materials.....	\$5,476.33	.....
Hire of Horses and Vehicles with Drivers.....	2,194.13	.....
Educational and Recreational Equipment—		
Replacements.....	139.31	.....
Repairs—Departmental.....	464.13	.....
Contract or Open Order Service.....	82.41	.....
Total, Care of Beaches, Lakes and Shore Lines.....	\$8,356.31	\$4,093.02 (d)
Care of Trees in City Streets—		
Spraying, Pruning and General Care—		
Personal Service.....	\$35,592.62	.....
Supplies and Materials.....	3,118.61	.....
Hire of Horses and Vehicles with Drivers.....	9,306.04	.....
Carfares.....	730.15	.....
Total, Care of Trees in City Streets.....	\$48,747.42	\$1,044.07 (d)
Total, Care of Land and Improvements....	\$373,377.18	.....

DEPARTMENT OF PARKS, BOROUGH OF BROOKLYN.

**Summary of Expenditures for Year Ended December 31, 1915, on Basis of Cost
by Functions. (Statement No. 4).**

**OPERATION AND MAINTENANCE OF PLAYGROUNDS AND
ATHLETIC FIELDS.**

	Total for 1915	Increase or Decrease as Compared with 1914
Attendance and Special Expenses—		
Personal Service.....	\$24,359.72	.....
Supplies—Medical and Surgical.....	16.55	.....
Educational and Recreational.....	436.42	.....
Educational and Recreational Equipment—		
Replacements.....	1,708.76	.....
Repairs—Departmental.....	3,757.49	.....
Contract or Open Order Service.....	985.00	.....
Care of Lawns—		
Labor, Supplies, etc.....	149.57	.....
Care of Special Grounds—		
Cleaning and General Care.....	9,642.65	.....
Repairs.....	371.20	.....
Care of Lakes—Skating.....	8,586.16	.....
Operation of Summer Playgrounds.....	2,287.49	.....
<hr/>		
Total, Maintenance and Operation of Play- grounds and Athletic Fields.....	\$52,300.91	\$8,828.33 I

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

**Summary of Expenditures for Year Ended December 31, 1915, on Basis of Cost
by Functions. (Statement No. 5.)**

**MAINTENANCE OF GENERAL PARK IMPROVEMENTS AND
PROPERTIES.**

	Total for 1915	Increase or Increase as Compared with 1914
Monuments (Restoring and General Care)—		
Labor, Supplies and Materials.....	\$378.34	.....
Contract or Open Order Service.....	248.93	.....
Total, Monuments.....	\$627.27	\$4,265.69 (d)
Bridges and Tunnels—		
Repairs—Departmental.....	\$1,644.53	.....
Contract or Open Order Service.....	39.94	.....
Total, Bridges and Tunnels.....	\$1,684.47	\$470.90 (d)
Railings, Fences and Walls—		
Repairs—Departmental.....	\$8,275.63	.....
Total, Railings, Fences and Walls.....	\$8,275.63	\$2,685.28 I
Display Fountains—		
Repairs—Departmental.....	\$590.10	.....
Total, Display Fountains.....	\$590.10	\$197.54 I
Drinking Fountains—		
Repairs—Departmental.....	\$1,860.63	.....
Total, Drinking Fountains.....	\$1,860.63	\$476.05 I
Basins and Sewers—		
Cleaning.....	\$1,733.61	.....
Repairs—Departmental.....	1,818.24	.....
Total, Basins and Sewers.....	\$3,551.85	\$874.09 (d)
Chairs and Settees—		
Replacements.....	\$957.57	.....
Repairs—Departmental.....	1,909.58	.....
Total, Chairs and Settees.....	\$2,867.15	\$1,449.92 (d)
Signs—		
Replacements.....	\$1,240.53	.....
Repairs—Departmental.....	392.14	.....
Total, Signs.....	\$1,632.67	\$851.66 (d)
Other Park Property—		
Replacements.....	\$2,338.85	.....
Repairs—Departmental.....	5,627.67	.....
Contract or Open Order Service.....	27.00	.....
Total, Other Park Properties.....	\$7,993.52	\$4,666.00 I
Total, Maintenance of General Park Im- provements and Properties.....	\$29,083.29	\$63.61 I

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

Summary of Expenditures for Year Ended December 31, 1915, on Basis of Cost
by Functions. (Statement No. 6.)

CARE OF DEPARTMENTAL BUILDINGS AND STRUCTURES.

	Total for 1915	Increase or Decrease as Compared with 1914
Bath Houses and Comfort Stations—		
Operation—		
Personal Services.....	\$32,841.23	.....
Supplies—Fuel.....	2,760.41	.....
Cleaning and Disinfecting.....	206.38	.....
Bathing Suits and Towels.....	2,894.33	.....
General Plant.....	491.11	.....
Cleaning Cesspools—Contractor Open Order Ser- vice.....	5.25	.....
Total, Operation.....	\$39,198.71	\$7,866.99 (d)
Maintenance—		
General Plant Equipment—Replacements.....	\$639.06	.....
Plumbing Repairs—Departmental.....	3,605.08	.....
Contract or Open Order Ser- vice.....	9,622.26	.....
Other Repairs and Changes—Departmental.....	4,838.25	.....
Total, Maintenance.....	\$18,704.65	\$4,201.50 I
Total, Bath Houses and Comfort Stations	\$57,903.36	\$3,665.49 (d)
Buildings and Structures Not Otherwise Classified—		
Operation—		
Personal Service.....	\$16,151.83	.....
Supplies—Fuel.....	2,875.11	.....
Cleaning and Disinfecting.....	76.27	.....
General Plant.....	178.07	.....
Cleaning Cesspools—Contract or Open Order Ser- vice.....	91.22	.....
Total, Operation.....	\$19,372.50	\$2,056.46 (d)
Maintenance—		
General Plant Equipment—Replacements.....	\$368.99	.....
Plumbing Repairs—Departmental.....	708.72	.....
Contract or Open Order Ser- vice.....	.....	.....
Other Building Repairs—Departmental.....	13,964.86	.....
Contract or Open Order Service.....	680.77	.....
Total, Maintenance.....	\$15,723.34	\$6,882.12 (d)
Total, Buildings and Structures Not Otherwise Classified.....	\$35,095.84	\$8,938.58 (d)
Total Care of Departmental Buildings and Structures.....	\$92,999.20	\$12,604.07 (d)

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

Summary of Expenditures for Year Ended December 31, 1915, on Basis of Cost by Functions. (Statement No. 7.)

MISCELLANEOUS EXPENSES.

	Total for 1915	Increase or Decrease as with 1914
Music and Celebration—		
Personal Service.....	\$248.76	.....
General Plant Service—Music.....	11,663.95	.....
Construction and Removal of Stands—Depart- mental.....	3,426.59	.....
Repairs to Stands—Departmental.....	.....	.....
Contract or Open Order Ser- vice.....	.....	.....
Total, Music and Celebrations.....	\$15,339.30	\$4,866.43 D
Educational and Operative Activities—Menagerie, Pumping Station, Greenhouses, Nursery, Stables and Shops (Overhead).		
Operation—		
Personal Service.....	\$59,920.08	.....
Veterinary Service.....	125.00	.....
Supplies—Veterinary.....	61.75	.....
Forage.....	13,560.63	.....
Medical and Surgical.....	63.80	.....
Cleaning and Disinfecting.....	78.69	.....
Botanical and Agricultural.....	1,802.59	.....
Fuel.....	3,056.39	.....
General Plant.....	68.31	.....
Materials—General Plant.....	2,489.25	.....
Shoeing—Departmental.....	1,650.21	.....
Contract or Open Order Service.....	.....	.....
Boarding—Contract or Open Order Service.....	.....	.....
Total, Operation.....	\$82,876.70	.....
Maintenance—		
Purchase of Live Stock.....	.....	.....
Carriages and Buggies—		
Replacements.....	.....	.....
Repairs—Departmental.....	\$80.46	.....
Contract or Open Order Service...	.....	.....
Carts and Wagons—		
Replacements.....	154.65	.....
Repairs—Departmental.....	3,884.40	.....
Contract or Open Order Service...	.....	.....
General Plant Equipment—		
Replacements.....	.....	.....
Repairs—Departmental.....	512.27	.....
Contract or Open Order Service....	90.12	.....
Building Repairs—		
Departmental.....	23,036.00	.....
Contract or Open Order Service.....	939.28	.....
Total, Maintenance.....	\$28,697.18	\$12,520.86 I
Extraordinary Expenses:		
Total, Educational and Operative Acti- vities.....	\$24,050.57	\$14,652.44 I
Total, Miscellaneous Expenses.....	\$150,963.75	\$22,306.87 I

DEPARTMENT OF PARKS—BOROUGH OF BROOKLYN.

**Summary of Expenditures for Year Ended December 31, 1915, on Basis of Cost
by Functions. (Statement No. 8.)**

MAINTENANCE OF GENERAL PARK EQUIPMENT.

	Total for 1915	Increase or Decrease as Compared with 1914
Highway Equipment—		
Water, Oil and Asphalt Wagons—		
Replacements.....		
Repairs—Departmental.....	\$1,328.51	\$131.36 D
Contract or Open Order Service....		
Road Rollers and Road Harrows—		
Replacements.....		
Repairs—Departmental.....	415.16	
Contract or Open Order Service....	39.88	1,183.51 D
Snow Plows—		
Replacements.....		
Repairs—Departmental.....	385.22	112.56 D
Contract or Open Order Service....		
Other Highway Equipment—		
Replacements.....	257.96	72.48 I
Repairs—Departmental.....		
Contract or Open Order Service....		
Total, Highway Equipment.....	\$2,426.73	\$1,354.95 D
Botanical and Agricultural Equipment—		
Garden Tools and Implements—		
Replacements.....		
Repairs—Departmental.....	\$31.14	\$93.46 D
Contract or Open Order Service....		
Lawn Mowers and Grass Cutters—		
Replacements.....	57.60	
Repairs—Departmental.....	81.59	73.46 D
Contract or Open Order Service....	2,185.85	
Spraying Equipment—		
Replacements.....	6.50	
Repairs—Departmental.....	301.35	1,499.43 D
Contract or Open Order Service....		
Pruning Equipment—		
Replacements.....	1,707.73	2,137.64 D
Contract or Open Order Service....		
Total, Botanical and Agricultural Equip- ment.....	\$4,371.76	\$3,803.99 D
General Equipment—		
Wheelbarrows and Handcarts—		
Replacements.....		
Repairs—Departmental.....	\$190.89	\$92.19 D
Contract or Open Order Service....		
Other General Equipment—		
Replacements.....	4,619.93	
Repairs—Departmental.....	1,479.58	
Contract or Open Order Service....	82.65	366.23 I
Total, General Equipment.....	\$6,372.74	\$294.04 I
Total, Maintenance of General Park Equipment.....	\$13,171.23	\$4,864.90 D

DEPARTMENT OF PARKS

The Bronx

1915

**ANNUAL REPORT OF THE DEPARTMENT OF PARKS OF THE CITY
OF NEW YORK FOR THE YEAR 1915.**

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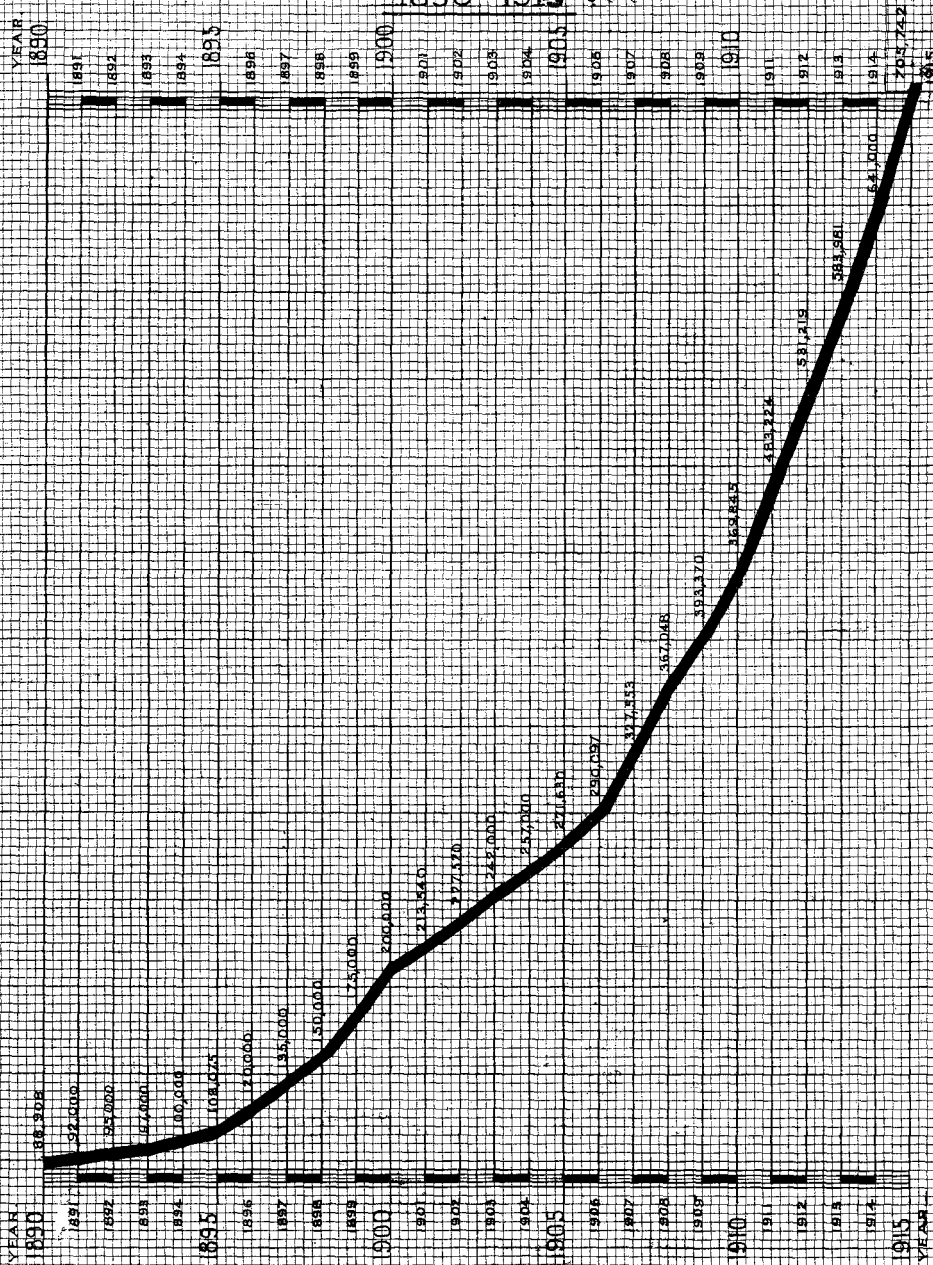
Index	Names	Location
1	Bronx Park.....	East One Hundred and Eighty-second Street, Southern Boulevard, St. John's College. Property New York Central and Hudson River Railroad and White Plains Road.
2	Crotona Park.....	Fulton Avenue, Third Avenue, Tremont Avenue and Arthur Avenue.
3	Claremont Park.....	Teller Avenue, Belmont Street, Clay Avenue and One Hundred and Seventieth Street.
4	Devoe Park.....	Fordham Road, Sedgwick Avenue and One Hundred and Eighty-eighth Street.
5	Drake Park, J. Rodman.....	Hunt's Point Road, Longfellow Avenue and Eastern Boulevard.
6	Echo Park.....	Junction of Burnside Avenue and Tremont Avenue.
7	Fulton Park.....	Fulton Avenue, One Hundred and Sixty-ninth and Seventieth Streets.
8	Macomb's Dam Park.....	Jerome Avenue, One Hundred and Sixty-second Street, Cromwell Avenue and Harlem River.
9	Melrose Park.....	One Hundred and Sixty-first and One Hundred and Sixty-second Streets, Courtlandt and Vanderbilt Avenues.
10	Pelham Bay Park.....	North East End of New York City.
11	Poe Park.....	East One Hundred and Ninety-second Street and Kingsbridge Road.
12	Rose Hill Park.....	Pelham Avenue, Park Avenue and Webster Avenue.
13	St. James' Park.....	Jerome Avenue, Creston Avenue and East One Hundred and Ninety-first Street.
14	Sigel Park, Franz.....	Walton Avenue, One Hundred and Fifty-eighth Street and Mott Avenue.
15	St. Mary's Park.....	St. Ann's Avenue, One Hundred and Forty-ninth Street and Robbins Avenue.
16	St. Augustine Park.....	Franklin Avenue, Fulton Avenue, One Hundred and Sixty-sixth Street and One Hundred and Sixty-seventh Streets.
17	University Park.....	Cedar Avenue, One Hundred and Eighty-first Street and Sedgwick Avenue.
18	Van Cortlandt Park.....	Northern Boundary Line of City. Broadway, Van Cortlandt Avenue, Jerome Avenue and Mount Vernon Avenue.
19	Washington Bridge Park.....	Sedgwick Avenue, Harlem River and Washington Bridge.

MAP

POPULATION.

BOROUGH OF THE BRONX.

1890-1915



PERMITS.

Golf.—The Department has during the past year continued its policy of making a charge for golf permits. The charge for regular annual permits is \$1.00, the year beginning May 1st. This permit is issued only to residents of New York City and may be used upon either one or all of the three golf courses under the jurisdiction of the department. Two in Van Cortlandt Park and one in Pelham Bay Park.

Provision was also made as formerly whereby non-residents and residents of the City who had not procured regular annual permits could, by the payment of 50 cents, procure a special daily permit allowing them to play for the day. The revenue received by the department for these two classes of golf permits for the year 1915 amounted to:

Regular Annual Permits.....	\$7,327.00
Special Daily Permits.....	2,881.00
Total.....	<u>\$10,208.00</u>

Motion Picture Permits.—The Department also continued its policy of charging for the privilege of taking motion pictures in the parks, and during the year realized the sum of \$273 from the issuance of these permits.

General Permits.—During the year the Department issued 23,718 permits of all sorts, which is an increase of 3,995 over the previous year. These permits were issued as follows:

Tennis.....	10,500
Outings.....	976
Football.....	75
Baseball.....	544
Camping.....	288
Cricket.....	35
Lockers (Golf).....	600
Golf.....	10,500
Miscellaneous.....	200
	<u>23,718</u>

Playgrounds.—The Department maintained and improved the 8 playgrounds established during the year 1914 in six of which it employed Play Leaders to direct and control the play of the children and to safeguard them in their play. These playgrounds, which average one acre each, contain baby swings, large swings, shoot-the-chutes, see-saws, sand-boxes and basketball courts and are located as follows:

2 in Crotona Park.
1 in St. Mary's Park.
1 in McCombs Dam Park.
1 in Claremont Park.
1 in Pelham Bay Park.
1 in Fulton Park.
1 in Echo Park.

Again the Parks and Playgrounds Association gave material aid to this Department in the matter of playgrounds, not only by supplying six pro-

fessional playground attendants and play leaders, but also through the active and frequent co-operation of Miss Madeline L. Stevens, Play Supervisor.

Golf Courses.—The Department maintains two full 18 hole golf courses in Van Cortlandt Park, one line near the Van Cortlandt Lake, and known as the Van Cortlandt Links, the other being laid out in the easterly portion of the park near Jerome Avenue, and is known as the Mosholu Links. It also maintains a full 18 hole golf course in Pelham Bay Park.

Operation of Golf Courses.—Two classes of permits are issued to players. Residents of New York City may obtain annual permits upon payment of the sum of \$1.00, and all those residents of the City who have not procured regular annual permits may have the privilege of either of the courses for the day upon the payment of 50 cents.

Athletic Fields.—The Department maintains three athletic fields, each having a regulation running track, one in Pelham Bay Park, one in Crotona Park, and one in McCombs Dam Park.

The athletic field in Pelham Bay Park is used largely by pupils of the public schools holding outings and field days in the park, and by turn verein societies, etc.

The athletic field in Crotona Park has a grandstand which cost \$40,000 and is used for the most part for field days, etc., by the pupils of the public schools of the entire City.

The athletic field in McCombs Dam Park has a regulation $\frac{1}{4}$ mile cinder track and every other requisite for a complete athletic field. It is not only used for the field days by different organizations, but is used for training purposes by some of the greatest athletes in the world.

Tennis.—The Department now maintains 86 tennis courts in the various parks of the borough distributed as follows:

Bronx Park.....	4
Crotona Park.....	38
Claremont Park.....	4
McComb's Dam Park.....	10
Pelham Bay Park.....	1
St. James' Park.....	11
Franz Sigel Park.....	2
St. Mary's Park.....	8
Van Cortlandt Park.....	8
Total.....	86

Bathing Beaches.—The Department maintains two bathing beaches for the free use of the public, both of which are located in Pelham Bay Park, one on Eastchester Bay, near the athletic field, and known as the Athletic Field Beach, the other on Pelham Bay north of City Island Road and north of the City Island Bridge, known as Orchard Beach.

At the Athletic Field Beach the Department furnishes 1,600 lockers for free use, 800 lockers on the men's side and 800 lockers on the women's side, as well as shower baths on each side.



AT THE 1st TEE
Van Cortlandt Park Golf Links.

At Orchard Beach the Department furnishes 1,200 lockers for free use, 600 lockers on the men's side and 600 lockers on the women's side, as well as shower baths on each side.

At the Athletic Field Beach it is estimated that 465,000 persons used the facilities furnished by the Department during the season, and that 435,000 persons used similar facilities at Orchard Beach during the season, thus making a total of 900,000 persons using the bathing facilities furnished by the Department during the summer months, at a total cost of \$4,062.79, or less than one-half a cent per person.

Family Camp Sites.—At Orchard Beach, which is at Pelham Bay and facing the Long Island Sound only a short distance from City Island, the Department, under a permit from the Department of Health, maintains 300 camp sites for the exclusive use of families.

This camp site is laid off into streets 30 feet wide, and the camp sites 30 by 60 feet each. The Department requires a tent not less than 15 x 35 feet on each camp site. The season runs from June 15th to September 15th each year, and the Department makes a charge of \$10 for each camp site for the season, which includes a water tax of \$3. The Department has water connections at the camp site and there is one tap for every five tents, thus furnishing an ample supply of Croton water.

This camp site is called the Tent City and is located just opposite the bathing beach overlooking Pelham Bay and the Long Island Sound. Good order and discipline are maintained at all times, and all the tent holders are required to comply rigidly with all City ordinances and park rules and regulations, as well as the rules and regulations of the Department of Health.

Men's Camp Site.—Separated from the regular family camp sites and a proper distance away, the Department has set apart and established a camp site for the exclusive use of young men. Similar conditions and requirements obtain at these camps as at the regular family camp sites. There are 22 of these camp sites.

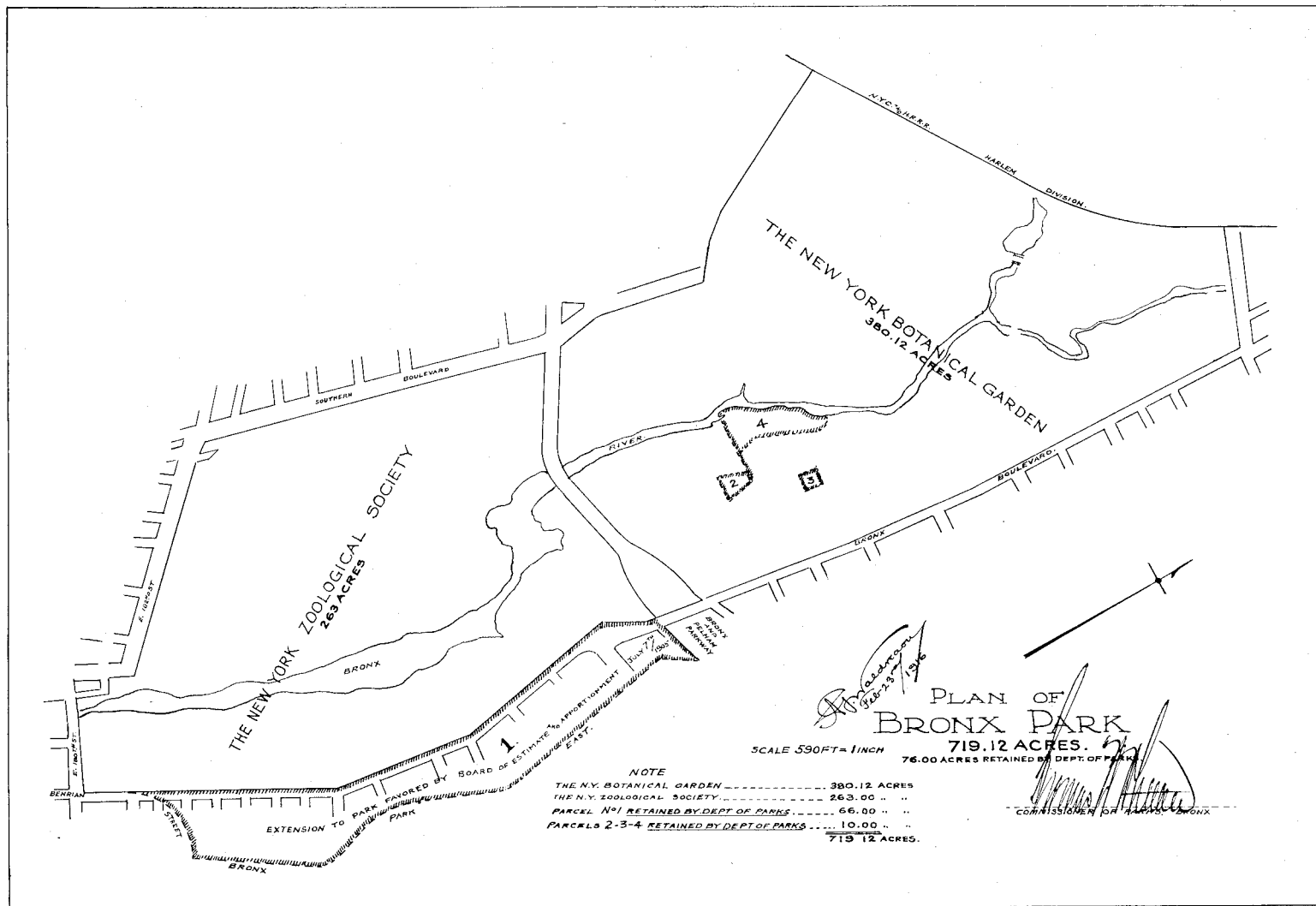
Camping on Hunter and Twin Islands.—On Hunter Island the Boy Scouts maintain a camp site during the summer months with an average attendance of 100 Boy Scouts under strict discipline and control, while on Twin Island, the Working Girls' Association and other similar organizations maintain camp sites.

Boating and Fishing.—At different seasons of the year there is good fishing in the waters of Eastchester Bay and Pelham Bay, and there are several places in the park, and a water front where boats may be hired at a reasonable rate.

BRONX PARK.

Transfer of Park Lands.

During the early part of 1915 the comparatively small portion of the park still remaining under the direct jurisdiction of the Department of Parks for



the Borough of The Bronx was, in the way provided by law, transferred to the New York Botanical Society, with the exception of the necessary land immediately surrounding the stable, the greenhouses and the shops used by the Department. The portion thus transferred to the New York Botanical Society may be described as follows:

Beginning at a point on the easterly line of the Southern Boulevard, where the said Boulevard intersects the southern boundary line of the Botanical Garden, which point is 1,401 feet north of the northerly line of the Bronx and Pelham Parkway; thence easterly along the line of the southerly boundary line of said Botanical Garden to the middle of the Bronx River, a distance of 1,300 feet; thence northerly along the middle of the Bronx River to a point where the southerly boundary line of the Botanical Garden intersects the said river, a distance of 1,815 feet; thence easterly along the said southerly boundary line to the westerly line of Bronx Park East, a distance of 1,301 feet; thence southerly along the westerly line of Bronx Park East to the northerly line of the Bronx and Pelham Parkway, a distance of 1,393 feet; thence westerly along the northerly line of the Bronx and Pelham Parkway to the easterly line of the Southern Boulevard, a distance of 2,861 feet; thence northerly along the easterly line of the Southern Boulevard to the point of beginning, a distance of 1,401 feet, which said land, including Parcels "A," "B" and "C" excepted and reserved as hereinafter set forth, consists of approximately 150 acres.

The Department of Parks, therefore, no longer exercises direct jurisdiction and control over the portion of Bronx Park north of Bronx and Pelham Parkway, except as hereinbefore stated.

It does, however, care for the roads throughout the entire portion of the park north of Bronx and Pelham Parkway.

Improvements.

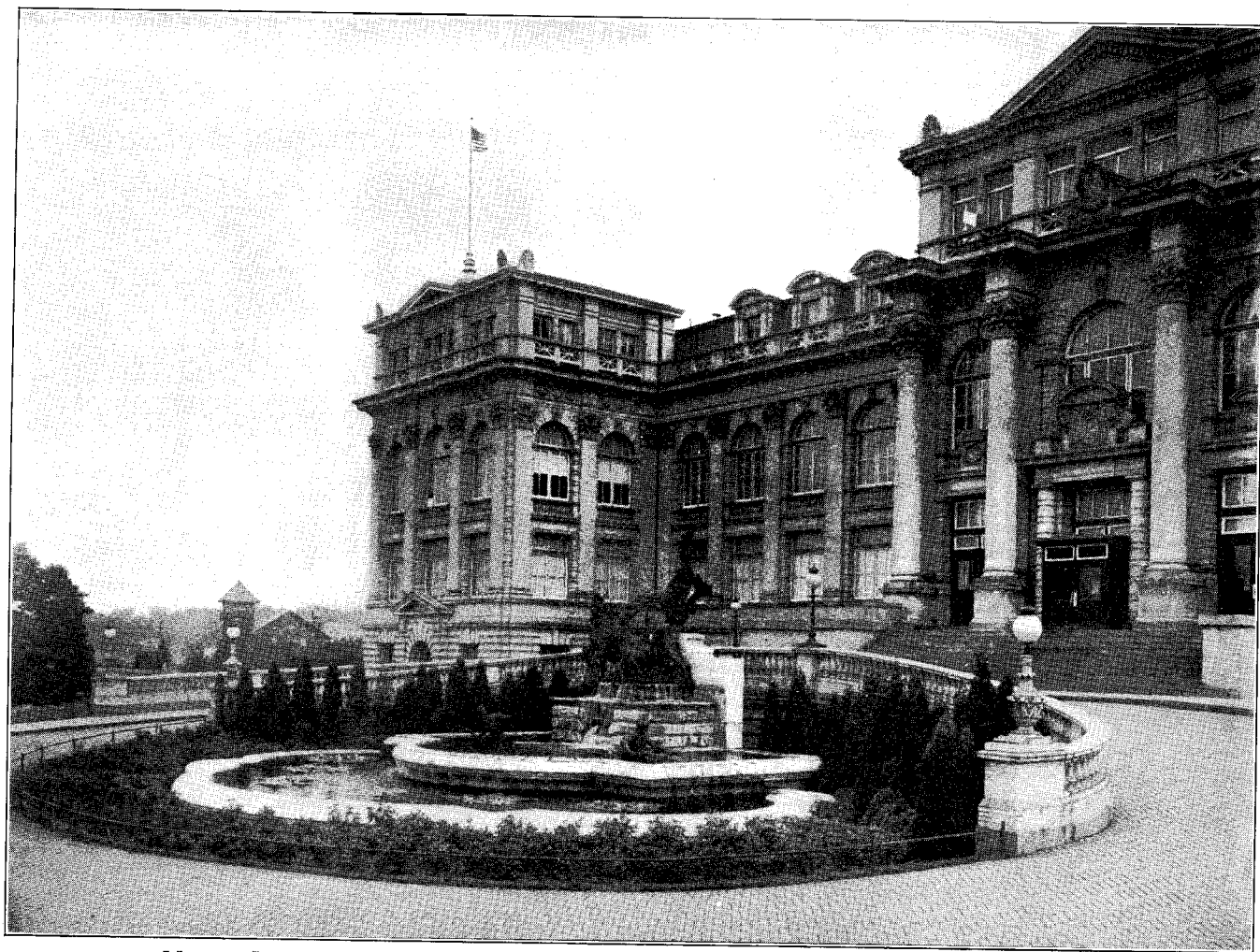
The bridge over Bronx River at Boston Road was re-planked with three-inch spruce flooring laid over the said planking.

The side of the hill south of the bridge near the snuff mill was graded and planted, 800 cubic yards of soil being used in the grading, and 150 shrubs of various kinds in the planting.

Approximately 45,000 square feet of new lawn surrounding the greenhouses were regulated, graded and seeded.

The plot at the junction of Boston Road and Bronx and Pelham Parkway upon which old buildings formerly stood was cleared, the old cellars filled and foundation walls removed. Permits were issued to contractors under which they supplied to the Department, free of charge, material with which to grade the plot. In this way 4,000 cubic yards of earth fill was obtained. This plot has been embellished with trees, shrubs and flower beds, and instead of being an eyesore as formerly has become quite an attractive park space.

In the greenhouses, 6,000 tropical plants were cared for, and 193,326 bedding plants were propagated, potted and cared for.



Museum Front Showing Fountain and New plantations—New York Botanical Garden.

The regular work of preparing hot beds and filling them with bedding plants, maintaining them, etc., was carried through.

There were 25,000 evergreen cuttings prepared and placed in propagating benches and maintained.

Frames for about 200,000 summer flowering plants were prepared; also frames for approximately 500,000 annual seedlings which were afterwards transplanted into beds to mature for planting in the various parks.

Propagated and planted in beds and pots 2,000 chrysanthemums.

Planted and re-potted 5,000 tropical plants and transferred them from greenhouses to beds surrounding greenhouses.

Cared for lawns, walks and tennis courts in section near greenhouses.

Prepared, packed and transported approximately 469,000 bedding plants, and approximately 490,000 annuals to various parks for planting in the various flower beds and otherwise.

Packed, shipped and delivered 25,000 summer flowering and 10,000 annual seedlings to the various public schools, police stations, fire houses and bridges in the Borough of The Bronx.

Planted throughout the park 15,000 foliage and flowering plants.

Cultivated and cared for beds around the greenhouses; also cut the grass, cleaned the walks and cared for tennis courts and roads in vicinity of the greenhouses.

Prepared compost for bedding, containing 100 yards of soil and manure.

Gathered up and transferred 75,000 pansies and daisies to nursery to be planted in frames to be grown during the winter months.

Prepared frames for pansies and daisies, and sowed same.

Prepared propagating frames for geraniums and other flowering plants and planted them with 45,000 cuttings.

Gathered in and packed stock plants of all kinds for winter cuttings; also gathered in the various tropical and foliage plants for winter storage.

During the last quarter of the year prepared and cared for 95,000 summer flowering plants; 6,000 flowering plants and placed on the propagating benches 25,000 cuttings of ornamental evergreens.

Planted in beds around and adjacent to the greenhouses 30,000 tulips.

Cared for walks and general maintenance of the lawns of the section near the greenhouses and the band stand.

General.

The stable in Bronx Park was painted inside; 9 trucks of various kinds were also painted; 4 dirt carts, 2 log trucks and a combination reach truck were constructed by the Department's forces.

The plumbing shop was established in the building used as the stable.

Many needed repairs were made to the greenhouses.

70 oil barrels were painted and transformed into receptacles for refuse and paper in the parks.

One additional reviewing stand 25 feet square was constructed.

THE NEW YORK BOTANICAL GARDEN.

The most noteworthy event in the history of the institution during the year was the grant by the Board of Estimate and Apportionment, on January 29, 1915, of the use of over 140 acres of Bronx Park, additional to the original reservation of 250 acres set aside and appropriated by the Commissioners of Public Parks in 1895, and signaling the Twentieth Anniversary of the first allotment of ground for the purposes of the Garden. This action by the City increases the area of the New York Botanical Garden to nearly 400 acres, making it the largest institution of its kind in the temperate zones, and provides unequaled opportunity for further development. With the use of this land came the use of the large stone mansion built by the Lorrillard family in 1856, an edifice containing 45 rooms, and available for many useful purposes. The Garden reservation now comprises all of Bronx Park north of Pelham Avenue except three small areas reserved for the use of the Park Department, occupied by its greenhouses, shop, stable, and music stand.

By means of a fund aggregating \$10,357, generously subscribed by 148 members and friends, and designated the "Garden Extension and Commemoration Fund," considerable preliminary work in the development of this additional land and in the renovation of the mansion has been accomplished, including the cutting out of dead trees and of stumps, the filling and draining of marshy areas, the partial construction of an unfinished driveway and the partial construction of paths, the breaking of loose stone, and the commencement of planting at several points. A complete survey and map of the additional tract has been prepared by the Landscape Engineer, who has also submitted a plan for roads and paths, which was approved at your meeting of November 18, 1915. The mansion was found to be greatly in need of repairs, many of which have been accomplished, including exterior and interior painting, new leaders and gutters, the reconstruction of porches, the furnishing and decoration of board rooms, and the installation of a steam heating plant and of shops in the basement. The Twentieth Anniversary of the first appropriation of land was commemorated during the week commenced September 6 by a largely attended meeting of botanists from all over the eastern United States.

New construction and new planting have, for the most part, been confined to the additional land, but, in the early part of the year, some work was done in building paths and in grading near conservatory range 2, and a new rhododendron group was planted at conservatory range 1 by the aid of the income of the John Innes Kane Fund. The development of the original reservation has not, by any means, been completed, construction work being yet required near the museum building, about conservatory range 2, in an area of about 3 acres at the northern corner of the grounds, and additional paths are needed in other areas. An additional wing to the museum building and additional greenhouses at conservatory range 2 are much needed for satisfactory display and storage of the collections.

Labeling of the collections has been continued, and it is by means of the labels accompanying plants and specimens that the greatest amount of

information is furnished to visitors. Information labels aggregating 5,498 have been painted for plants in the grounds and greenhouses, the total number of such labels now in place being over 20,000. These labels give an English name and the botanical name of the plant, the country where it is native, and the family to which it belongs.

The number of kinds of plants now represented in outdoor plantations and under glass aggregates very nearly 14,000 species and varieties. Over 36,000 specimens were added to the museum and herbarium collections, these now aggregating considerably more than 1,500,000 specimens. The library was increased by over 900 volumes, the number of bound volumes being 27,224.

Attractive opportunities for investigation are furnished by these vast collections. During the New York meeting of the National Academy of Sciences in November, the Garden was visited by members of that organization, and the point was made that great additions to knowledge could be contributed by scientific study of the collections now brought together after twenty years' effort, the spacious grounds and capacious buildings providing ample facilities, financial provision only for salaries and expenses of a staff of trained investigators, assistants, and gardeners being required to place the institution on the basis of a botanical and horticultural university.

Public lectures were delivered to appreciative audiences on Saturday afternoons from April 3 to November 20. Docentry has been continued with schools and parties of adults, and is one of the most efficient methods we have of disseminating information about the institution and its collections. There is a constant increase in the information about plants and plant products requested by correspondents. Library and laboratory work was conducted with 16 registered advanced students from colleges and universities. Exploration was accomplished in Porto Rico, in eastern South America, in southern Florida, and in the Rocky Mountain region.

Five exhibitions of plants and flowers were given in the museum building during the season in cooperation with the Horticultural Society of New York the exhibits for the most part supplied by members of the Society, reinforced to some extent from our collections, opening on Saturday afternoons and extending through the following Sundays. Prizes, awarded by the exhibition committee of the Horticultural Society, were paid by the Garden from the income of the William R. Sands Fund. We also took part in the International Flower Show held under the auspices of the Horticultural Society and of the New York Florists' Club at the Grand Central Palace in March.

Publications during the year include Volume 16 of the "Journal," Volume 7 of "Mycologia," 3 parts of "North American Flora," 1 number of "Bulletin," 1 volume of "Memoirs," and 11 numbers of "Contributions." Most of these publications have been aided by the income of the David Lydig Fund bequeathed by Charles P. Daly.

By means of the income of the Addison Brown Fund, referred to in my last annual report, the preparation of the first part to be published of the magazine established by that fund for the publication of colored plates of

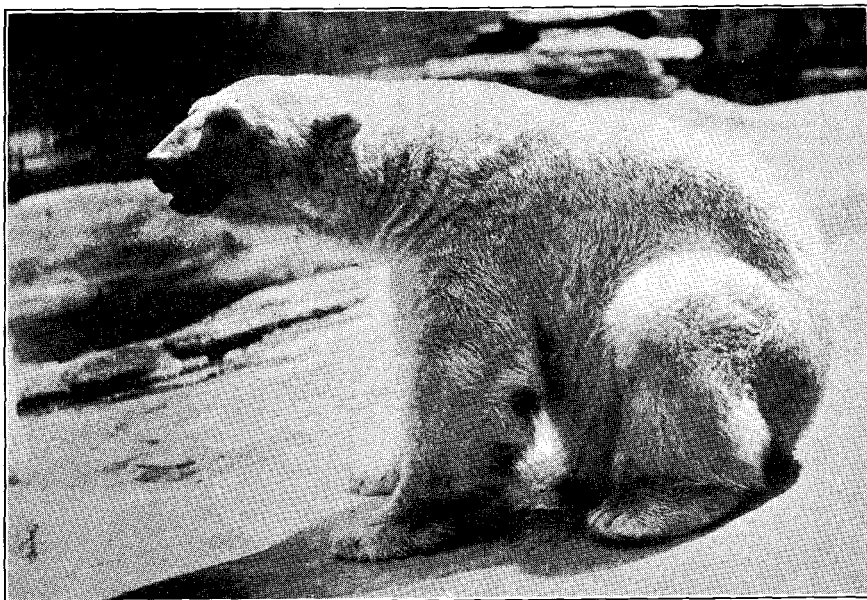
plants of the United States and of other plants flowering in the collections of the New York Botanical Garden is now complete, and it is proposed to issue this first part during the year. The work is planned as a quarterly to appear every three months, each part to contain ten plates and accompanying letterpress. The bequest of Judge Brown establishing this fund contemplates the maintenance of this magazine by its income, aided by subscriptions to the work, and such subscriptions will therefore be invited.

The natural features of the reservation have suffered no deterioration. Guarding of the grounds was extended over the additional land during the spring, and good results of this extension are already apparent. The largely increased area has brought with it, among other responsibilities, a greatly increased number of visitors, and, for the certain protection of many valuable natural features, it is essential that a path system be built through it as soon as possible. The approved plan of development contemplates the construction of about 4 miles of path in the additional land, and it is earnestly desired that at least 1 mile be completed during 1916. Guard rails will be needed along portions of the new paths, and additional guard rails are still needed along paths of the system already completed. The efficient enforcement by the police of City ordinances forbidding depredations and littering of public grounds, following a special order of His Honor, the Mayor, contributed greatly to the care and protection of the Garden reservation.

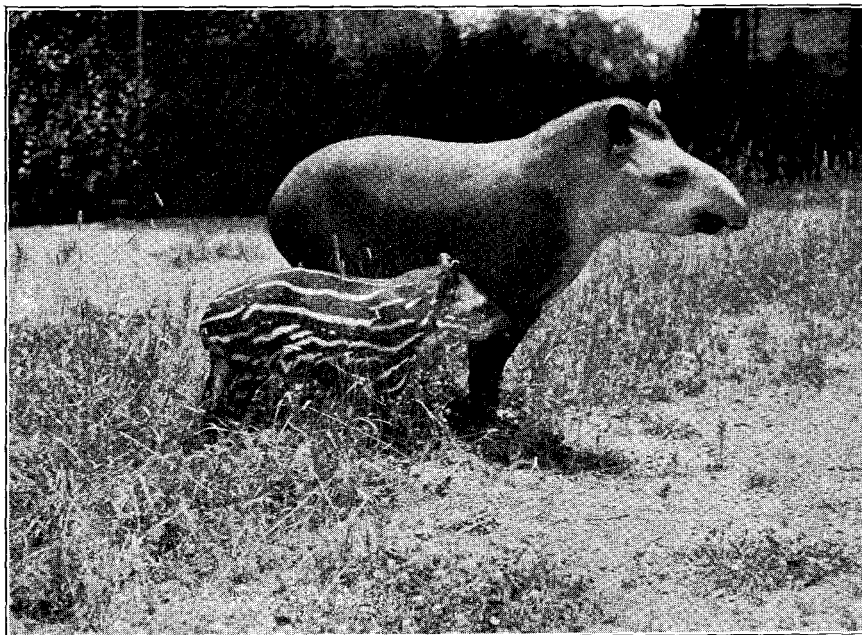
During the season, the Department of Water Supply, Gas and Electricity submitted a series of plans for the electric lighting of the driveways throughout the entire reservation, to take the place of the naphtha lamps previously in use. These plans were carefully studied in consultation with engineers of this City department and locations for cables along the edges of the roads were determined, especial care being taken to avoid cutting the roots of any trees. The entire system of driveways west of the Bronx River was supplied with electric lights and the current turned on in December. The working along the main roads east of the river is not yet quite completed. The posts used for electric lights are neat in design and were approved by the Art Commission.

Permanent funds of the institution have been increased during the year the year by the payment of 55 per cent. of the bequest of \$25,000 by Maria DeWitt Jesup, or \$13,750; by \$1,000 bequeathed by Jacob Langeloth; by \$2,000 Life Fellowship fees from Messrs. Murry and S. R. Guggenheim; by one Life Membership fee of \$250, and by additions to the Students' Research Fund amounting to \$154, aggregating \$17,154, the total endowment now aggregating a little over \$540,000. A detailed account of permanent funds and endowment, together with statements relative to additional funds desired, was published and distributed during the year, suggesting an increase of the total endowment to \$2,000,000 or more.

At the time the mansion came under our control with the additional land early in the spring, space in some of the rooms was occupied by the museum collections of the Bronx Society of Arts and Sciences, under a permit from the Park Department. Through action taken at the meeting of April 15,



POLAR BEAR IN THE ZOOLOGICAL PARK



**SOUTH AMERICAN TAPIR AND YOUNG ONE BORN
IN THE ZOOLOGICAL PARK**

this occupancy was continued. This Society was, at that time, completing arrangements with the Metropolitan Museum of Art for a loan collection of paintings by American artists. The Society contributed money for the renovation and decoration of a room on the second floor to contain these paintings, the decoration being planned by officers of the Art Museum, and the paintings were subsequently installed. Members of this Society have also been given the board room privileges in the mansion.

Early in the year, a proposition was received from the Association for Improving the Condition of the Poor offering to provide money for the payment of day laborers to be sent by this association, the money to be disbursed by administrative officers of the Garden, and the proposition was accepted, men out of employment being sent to us each week for two or three days. The plan was commenced on March 1 and continued until November 22, a maximum of 51 different men being sent the first week and the number diminishing to 2 during the thirty-ninth week. The total number of different men given work through this arrangement was 196, who made 2,722½ day's time, an average of 13.88 days for each man, and we disbursed, at the rate of \$2 a day payment, \$5,445. They were employed in many kinds of work, including cutting of trees, excavation of stumps, trenching, rock excavation, caring for lawns, and painting.

THE ZOOLOGICAL PARK.

In the Zoological Park the war that ever since April, 1908, has been waged against the throwing of rubbish on walks and lawns culminated in the general campaign that was inaugurated on May 1 by Mayor Mitchel, Police Commissioner Woods and Chief Magistrate McAdoo. Through the concerted action of those three forces, the campaign against vandalism in parks was driven home as never before. Many hundred persons upon whom appeals and signs and warnings had made no impression were called upon to face the loss of time, humiliation and pecuniary loss by appearing in court and paying fines.

The City Magistrates showed by their decisions that the police force of the City will be amply supported in its efforts to punish offenders against good order, and that fact has greatly encouraged police officers on duty in the parks. A great reform was begun; but the fight must needs be continuous, because the disorderly element is with us always.

During the year 1915 the Zoological Park was visited by 1,780,077 persons, by actual turnstile records; and never before has that vast throng found the Park so clean and inviting.

During the year the Park lost four valuable animals. "Gunda," the great Indian elephant, reached the point where he began to suffer from confinement, and at once he was painlessly shot. A pygmy African elephant named "Congo," became so painfully and hopelessly afflicted with neuritis that he also was shot. The aged Barbary Lion "Sultan" became so helpless

from old age that he was mercifully chloroformed, and a large Alaskan brown bear that fell and broke its hip was shot.

A number of important new animals were added to the collection. The most noteworthy items were: a very fine Abyssinian lion, "Menelik," a lioness, "Judy," a chimpanzee, two orang-outangs, a gray gibbon, four wild American elk as new breeding stock, and a dromedary.

The usual number of animals were born. Of hoofed and horned animals, 14 species gave birth to 32 individuals, and 23 animals of 7 other species were born.

The total census of living animals at the end of 1915 was as follows:

	Species	Specimens
Mammals.....	211	636
Birds.....	813	2,773
Reptiles.....	110	518
Amphibians.....	47	273
	1,181	4,200

The most important new improvement in the Zoological Park consisted of the erection of a very modern and up-to-date wild-animal hospital. This building stands on the site of the old temporary hospital. The contract price was \$17,833.

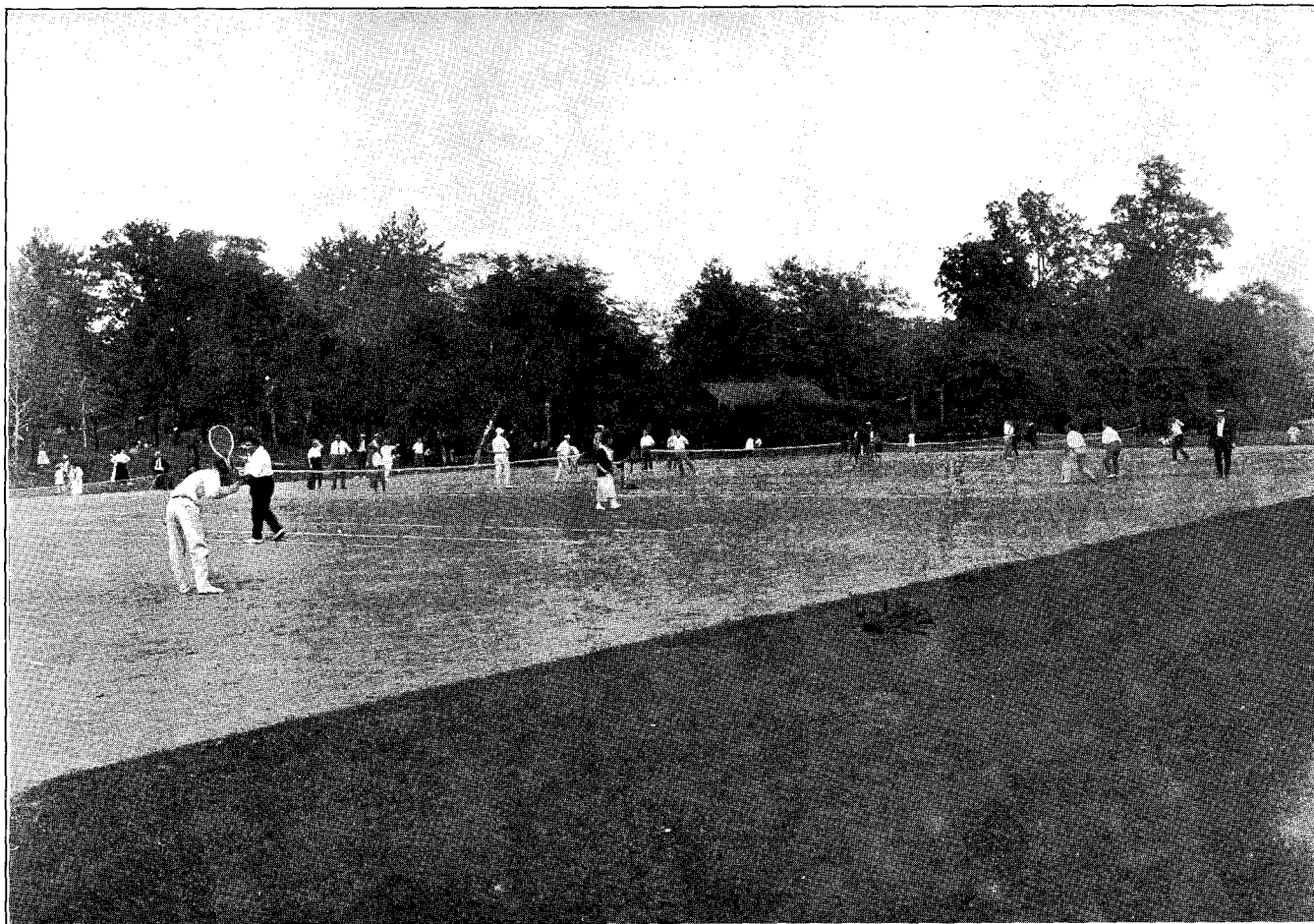
The Animal Fund of the Zoological Society was again seriously depleted on account of repairs to buildings and other permanent improvements. As in 1914, it became imperatively necessary to take from it \$10,000 and devote the whole of that sum to repairs. This blow to the Animal Fund had to be made good by means of a special public subscription.

In his annual report the Director of the Zoological Park made the following statement regarding two imperative needs that cannot be met from any funds now available:

"In conclusion, I deem it my duty to point out to the people of New York, and to the members of the Zoological Society, the fact that our Fordham entrance, at the corner of Pelham Parkway and the Southern Boulevard, is a disgrace to the Zoological Park. It is cheap, it is temporary, it is ugly, and now that the Boulevard has been raised as it has, it is impossible! It would be a waste of money to put a concrete approach in front of it, and that would be less than one-quarter of a real remedy.

We need for that spot a new entrance, in keeping with the remainder of the Park. It should be dignified, imposing, ornamented with sculptured bears, and in mean structure and approaches it should be architecturally and artistically perfect. The amount of money absolutely required is \$35,000; and that sum must be found forthwith. The situation at that entrance is intolerable.

The lobby room of the Reptile House must be rebuilt, at once, to afford about ten times more sunlight than that particular interior now receives. This, also, must be worked out in the near future. The change will cost about \$2,500; and it cannot be made a day too soon."



TENNIS COURTS, CROTONA PARK

CROTONA PARK.

Area.

This park has an area of 154.60 acres.

Means of Access.

Harlem Division of New York Central Railroad; alight Claremont Park Station; walk east four blocks.

Third Avenue Elevated Railway; alight Claremont Parkway Station; walk one block east.

Special Features.

This park is located in a very populous district, and near several large schools. It is well wooded, containing several groves of fine old trees. Indian Lake, with an area of 3.25 acres, is used for boating in summer, and skating in winter. It has a large fully-equipped athletic field; 4 baseball diamonds; 38 tennis courts; and 2 playgrounds. At the northwest portion of this park is Borough Hall.

Improvements.

Additional tennis courts. During the year the Department constructed 22 new tennis courts and backstops for each court, which brings the total number of such courts up to 38 for the entire park.

The section immediately east and to the rear of Borough Hall was filled in and graded. The Department made arrangements with contractors to fill in this section, and approximately 30,000 cubic yards of fill were thus used and carted without expense to the City. When grading was completed, two regulation baseball diamonds were laid out, each of which was equipped with a backstop built of iron pipe posts and extra heavy wire. Behind one of these backstops a dressing room was constructed for the use of players.

The old grandstand which stood immediately to the rear of Borough Hall was removed and a new stand almost twice the size of the old one erected. A driveway was constructed between this stand and the Municipal Building.

A road 970 feet in length and 26 feet in width was constructed on the westerly side of Indian Pond, and a connecting road 600 feet in length and 22 feet in width leading to 173d Street, and a path 650 feet long and 10 feet wide were constructed with stone supplied by the Barbour Asphalt Company, free of cost, from the excavation of the roadway of Crotona Avenue which they were paving with sheet asphalt.

A drain 600 feet long and 12 inches square, capped with blue stone coping was built along the new road leading to 173d Street.

A flight of concrete steps was built at the northerly end of Indian Pond to give access to the new refreshment and skate house. An electrically welded wire fence 6 feet high and 800 feet long was erected around the playground on the westerly side of the park near Fulton Avenue and 173d Street.

Low spots in the Glen on the easterly side of the park at 173d Street were filled, without cost to the City, the necessary fill being furnished by contractors. Approximately 5,000 cubic yards of material was used at this place.

During the year 2,100 lineal feet of new telford walks, each 10 feet wide, were constructed.

The sidewalk area along Tremont Avenue and Crotona Park East, for a distance of 700 feet was filled in with steam cinders and rolled.

On the easterly side of Crotona Park the entire plot from 175th to 177th Streets along Arthur Avenue, was graded. Considerable moving of soil had to be done in order to bring the fill to grade so that the walk along Arthur Avenue and the proper plantations could be made.

Regulated and graded a plantation 600 feet long and varying from 60 to 150 feet in width; planted same with 5,000 evergreen and deciduous trees and shrubs. This work was done around the Indian Lake and near the pavilion, and resulted in transforming a rough and forbidding section into a very pleasing landscape.

Planted 1,250 tulip bulbs in the flower beds around the Municipal Building.

Removed 229 dead and dangerous trees from this park.

CLAREMONT PARK.

Area.

This park has an area of 38 acres.

Means of Access.

Harlem Division of the New York Central Railroad; alight Claremont Park Station; walk one block west.

Webster Avenue line of the Union Railway; alight Claremont Parkway.

Third Avenue Elevated Railway; alight Claremont Parkway Station; walk four blocks west.

Special Features.

The Zbrowski Mansion, now used as the administration building of the Bronx Park Department, is a stone building erected in 1859.

Recreational Facilities.

The park contains 1 baseball diamond, 4 tennis courts, and a well-equipped playground.

Improvements.

The office building was painted and partitions erected in the hall on the main floor in such a way as to afford three additional offices.

A hot water heating system was installed in the garage, and a gasoline tank of 550 gallons capacity was also installed in the garage.

Planted 740 deciduous shrubs to finish out plantation started in the fall of 1914 on the Clay Avenue side of the park.

Removed 11 dead trees and planted 2,500 tulip bulbs.

DEVOE PARK.

Area.

This park has an area of 5.87 acres, and is bounded by Fordham Road, West 188th Street, Sedgwick Avenue and University Avenue.

Means of Access.

Third Avenue "L" to Fordham Station; thence *via* 207th Street crosstown surface car going west.

Broadway Subway at 207th Street Station; thence *via* crosstown car going east; car passes the park.

This is essentially a neighborhood park.

Removed 2 large Austrian Pines from the corner of Andrews Avenue and 184th Street, which were in the way of the construction of a new apartment house which was being erected on that corner, and transplanted them in Devoe Park.

Planted 2,535 tulip bulbs in flower beds.

Gave the park general and necessary attention, and kept it in such condition as to win the approbation of residents of the neighborhood.

JOSEPH RODMAN DRAKE PARK.

Area.

This park contains 2.88 acres.

Means of Access.

The cars of the 161st Street crosstown line of the Union Railway (here running on Hunts Point Avenue) pass the park.

The cars of the 149th Street crosstown line of the Union Railway (here running on Randolph Avenue) pass within one block of this park. Visitors using the latter should alight at Hunts Point Avenue.

Historical Associations.

This park was created in order to preserve from destruction the old burial ground of the Hunt family, containing the grave of the poet, Joseph Rodman Drake, author of "The Culprit Fay," "Bronx" and "Ode to the American Flag." The little cemetery contains ancient gravestones of the earliest members of the Hunt family resident in this section.

ECHO PARK.

Area.

This park comprises 4 acres. The location is west of Webster Avenue and north of 177th Street.

Means of Access.

Third Avenue "L" to Tremont Station; walk four blocks west.

New York Central Railroad to Tremont Station; walk one block west.

Improvements.

Removed 12 dead trees. Planted 2,190 tulip bulbs. Kept the park up to the high order of condition in which it had previously been placed.

FULTON PARK.

Area.

This park comprises 0.94 acres.

The location of this park is on the west side of Fulton Avenue, between 169th Street and 170th Street, in the rear of Public School No. 2, which is connected with the park by means of a stairway.

This park is used largely by the children of the school during the hours of recess, and at other hours of the day by children in the immediate vicinity; also by mothers with infants.

1,880 flowering plants were planted in the beds in this park.

McCOMB'S DAM PARK.

Area.

This park has an area of 27 acres.

Means of Access.

Sixth and Ninth Avenue elevated railways to 155th Street; then walk or take any trolley car across the Viaduct and McComb's Dam Bridge.

Broadway branch of subway to 157th Street Station; walk south to 155th Street; take any surface car eastward.

Third Avenue Railway to 161st Street Station; thence by surface car west through 161st Street to park.

The park can be reached from the East Bronx by any crosstown trolley of the Union Railway, transferring south on the Jerome Avenue line.

The park can also be reached by any Union Railway line, transferring west on the 161st Street line which goes direct to the park.

Special Features.

Three-fifths of this park is devoted to sports and recreation. There are 4 baseball diamonds; 10 tennis courts; and an athletic field, with a quarter-mile running track; and a comfort station containing dressing rooms, lockers, shower baths, etc.

There is also a fully equipped playground.

The portion of the park lying along the Harlem River is nearly all used by rowing clubs.

Historical Associations.

The present Macomb's Dam Bridge is practically on the site of the old Macomb's Dam Bridge, near which was the old Macomb Dam, making a pond out of the Harlem River, to turn the Macomb mill at Kingsbridge. The dam was broken down by a delegation of citizens about 1840, and, being declared by the courts a public nuisance, was abandoned.

Improvements.

Regulated and graded plot at intersection of Exterior Street and Jerome Avenue.

Planted 500 California Privet 3 feet to 4 feet high around athletic field to replace plants that had been destroyed and broken.

Planted 1,450 tulip bulbs.

In the southwesterly portion of the park, near the railroad, a retaining wall 250 feet long, 4 feet 6 inches high was constructed to prevent soil from washing on to the railroad property.

A new telford-macadam walk 280 feet long, 10 feet wide, leading from Summit Avenue was constructed. In this park are 3 flights of concrete steps, 10 feet wide, 12 steps to a flight.

Seven new tennis courts were constructed, the material for which, to the extent of 1,000 cubic yards, was brought to the ground, free of cost, by contractors working in the neighborhood.

MELROSE PARK.

Area.

This park has an area of 0.83 acres, and is located east of the Melrose Station of the Harlem Division of the New York Central Railroad.

Improvements.

During the year the ornamental iron fence, 600 feet long and 5 feet high, was cleaned and painted, and the pipe rail fences bordering the paths throughout the park also received similar treatment.

There were 30 large trees planted in the park, as well as 2,865 flowering plants and 178 shrubs.



BATHING BEACH, BAYCHESTER, PELHAM BAY PARK

PELHAM BAY PARK.

Area.

This is the largest park in the City, including within its boundaries 1,756 acres, more than twice as many as Central Park.

Means of Access.

The most direct and convenient means of reaching Pelham Bay Park is by the Harlem River Branch of the New York, New Haven & Hartford R. R. The terminal of this road is at Willis Avenue, The Bronx, but a shuttle train runs from the 129th Street Station of the Second and Third Avenue Elevated R. R. systems. For the southerly section of the park, visitors should alight at the Baychester Station; for the northerly and more important section, at Bartow Station, now known as City Island Station.

Trolley Lines.

The Westchester and Walker Avenue cars of the Union Railway running through Tremont Avenue, crossing Third Avenue, at 177th Street, go to the Eastern Boulevard entrance to the park. Visitors can also reach the park by the Union Railway cars running on Westchester Avenue and on West Farms Road.

Special Features.

In this park are to be found a remarkable combination of stretches of untouched woodland, great expanses of lawn and meadow, salt water bays and inlets, islands and miles and miles of shore front. It is an excellent park for a genuine rural picnic, or a seaside outing. There is space and seclusion should that be desired for the basket party; the hotels within the park vary in their service, from the simple and inexpensive to the elaborate and costly.

15,625 bedding plants were set out in the flower beds.

Street Tree Nursery.

During the year the Department cultivated and cared for 2,000 Oriental Planes for street tree planting.

Improvements.

A retaining wall 4 feet high and 1,650 feet in length was constructed across the salt meadow land where a shore drive is planned. This was built of stone taken from an old dock which was demolished.

17,600 square yards of roadway on Split Rock Road was patched with road binder and $\frac{3}{4}$ -inch trap rock.

The City Island Road, from Eastern Boulevard to City Island Bridge, was reconstructed; the old gravel surface was removed, a 5-inch concrete foundation was laid upon the old stone bed, and a 3-inch layer of asphaltic concrete laid to form the finished surface of the new road. The area of

this road is 15,455 square yards. It is now in splendid condition, and inasmuch as it is a much-travelled road, and in fact the only road leading from City Island to the City Island Station of the New York, New Haven & Hartford R. R., it has been greatly appreciated by those who use it, and especially the residents of City Island.

Portions of Eastern Boulevard between Split Rock Road and the northerly boundary of the park were rolled with a 15-ton roller, and ruts due to soft material used in the asphalt surfacing were smoothed out.

On the bathing beaches stones were removed and used to build 3,625 cubic feet of retaining wall. This also furnished additional area of beach available for bathing, which area has been graded with 1,200 cubic yards of sand.

The path from City Island Road to Hunter Island Bridge, 6,600 feet long, was graded and made ready for laying stone which is to form the walk surface.

Guard rails and entrances were established at the bathing beaches, in order to more expeditiously handle the large crowds of persons using the bath houses on Saturdays, Sundays and holidays.

The roads around the athletic field, the Shore Road to City Island Road and the Split Rock Road, were covered with tarvia and grits, 20,000 gallons of tar and 500 cubic yards of grits being thus used.

A skating pond 400 x 100 feet was made near Orchard Beach, and was used largely by residents of City Island during the skating season.

POE PARK.

Area.

This park has an area of 2.33 acres.

Means of Access.

This park can be reached by either the Third Avenue Elevated Railway or the Harlem Branch of the New York Central Railroad. Visitors using either of these lines should alight at Fordham Station. There is here a crosstown line of the Union Railway, running on Pelham Avenue at Fordham, and another line on the Kingsbridge Road, either of which will take the visitor to the park. It is but a short walk westward on Fordham Road, to the Grand Boulevard and Concourse, and thence one block north to the park.

Jerome Avenue line of the Union Railway; alight at 193d Street, walk three blocks east to park.

Webster Avenue line of the Union Railway, transferring at Fordham Road.

Historical Associations.

This park was acquired in 1902, and got its name from the little wooden cottage that stood on the easterly side of Kingsbridge Road, about opposite the center of the park. During the years 1846-49, the cottage was occupied by the poet, Edgar Allan Poe. It was here that he wrote many of his poems, including "Annabal Lee" and "The Bells." Here, Virginia, his invalid wife, died, and was buried from the Fordham Manor Dutch Reformed Church. To save this cottage from demolition, it was moved in the year 1913 from its original site to the northerly end of the park. It was formally opened to the public on November 15, 1913. 1,825 flowering plants were set out in the flower beds during the year.

ROSE HILL PARK.

Area.

The area of this park is 0.72 acres, and it is bounded by Webster Avenue, Fordham Road and the right-of-way of the Harlem Branch of the New York Central and Hudson River Railroad.

Improvements.

2,000 Tulip bulbs and 3,000 summer flowering plants were set out in beds.

ST. JAMES PARK.

Area.

This park has an area of 11.83 acres, and is bounded by Jerome Avenue, Creston Avenue, 193d Street and the property of the St. James Protestant Episcopal Church.

Means of Access.

The Sixth and Ninth Avenue "L" at 155th Street Station, *via* Jerome Avenue car running north; car passes the park.

Third Avenue "L" at Fordham Station; the Bronx and Van Cortlandt surface car to Kingsbridge Road; walk one block south on Jerome Avenue.

The park has 11 tennis courts.

The remainder of the area is in a high state of cultivation with lawns, shrubs and trees.

Improvements.

Five new clay tennis courts were constructed during the year, 600 cubic yards of fill being supplied for the purpose, free of cost, by contractors excavating in the neighborhood.

About 2,000 bedding plants were planted in the flower beds, and also cared for the large plantation of herbaceous plants in the southerly side of the park.

FRANZ SIGEL PARK.

Area.

This park has an area of 17.47 acres, and is located between East 153d Street and East 161st Street, Walton and Mott Avenues.

Means of Access.

The Sixth and Ninth Avenue "L" at 155th Street Station, *via* 161st Street crosstown surface car to Mott Avenue; walk one block south.

Third Avenue "L" at 161st Street, *via* 161st Street crosstown car; walk to Mott Avenue; walk one block south.

Bronx Park Subway at Mott Avenue; walk two blocks north.

The park is delightfully situated on an elevation well above the street. is highly cultivated, and contains a large shelter pavilion and comfort stations,

The subway contractors who have occupied the southern portion of this park during the past three years have completed their work, and the grounds have been put in condition to install a playground and a baseball field.

About 2,700 bedding plants were placed in the flower beds in this park. Five dead trees were removed.

ST. MARY'S PARK.

Area.

This park has an area of 34.20 acres.

Means of Access.

Bronx Branch of the subway to 149th Street and Third Avenue Station; thence three blocks east on 149th Street.

The 149th Street crosstown line of the Union Railway passes the park, and it may also be reached *via* the 138th Street crosstown line, alighting at St. Ann's Avenue, and walking five blocks north.

Special Features.

This park contains one baseball diamond, eight tennis courts, a playground, and the "school farms." This latter is a plot of land on which school children are permitted to raise vegetables. Each child is assigned a plot 6 feet by 12 feet. There are 288 of these plots. The children furnish their own seed and utensils, and, of course, keep the produce. The Department plows the ground in the spring. The "school farms" are under the supervision and direction of the park foreman, the same as the playgrounds. The school garden was enlarged to 488 plots.

Improvements.

Eight new tennis courts were constructed on the site of the old baseball field in the central portion of the easterly side of the park. A backstop was erected at each court.

An electrically welded wire fence, 6 feet high, was erected around the playground and school gardens.

The road from 143d Street to 149th Street was resurfaced with 600 cubic yards of $1\frac{1}{2}$ -inch stone, and 200 cubic yards of screenings. Upon this were laid 1,600 gallons of tarvia and 60 cubic yards of grits.

About 5,274 bedding plants were placed in the flower beds in this park and the privet hedge around the playground trimmed.

During the first quarter of the year the field used for baseball during the summer was flooded so that it might freeze and be used as a skating pond. In this way fifteen days of good skating were afforded those using that park.

ST. AUGUSTINE PARK.

This park has an area of 0.25 acres, and is located at the junction of 166th Street, Fulton and Franklin Avenues.

1,895 bedding plants were placed in the flower beds in this park.

UNIVERSITY PARK.

This park has an area of 2.75 acres, and is located on the Harlem River slope in front of the grounds of the New York University.

VAN CORTLANDT PARK.

Area.

Van Cortlandt Park has an area of 1,132.25 acres.

Means of Access.

Broadway branch of the subway direct to the park.

Broadway surface line, which runs along the entire westerly boundary of the park, crossing the City line, and extending into Yonkers *via* South Broadway.

Jerome Avenue cars of the Union Railway, which cross Mosholu Parkway, skirt the southeasterly boundary of the park, cross the northeasterly portion and run into Yonkers *via* Central Avenue.

The crosstown cars of the Union Railway intersect the Jerome Avenue line at many points where transfers are given.

Putnam Division of the New York Central Railroad (terminal at 155th Street Station of the Sixth and Ninth Avenue Elevated Railway, Manhattan) to Van Cortlandt Station in the park.

Special Features.

A big stretch of forest land that invites the rambler, a lake for the canoeist and the oarsman, extensive grounds that afford opportunity to enjoy as participant or spectator, all manner of outdoor sports, elaborate formal gardens, and historical buildings, relics and associations; all these are features that make Van Cortlandt Park a park of unique value.

Golf.

During the year, the original (Van Cortlandt) golf course was maintained as usual, and as in past years attracted thousands of players.

On the new (Mosholu) golf course, 4 new greens, 60 x 90 feet, were graded and seeded. Many of the rocks near the old greens were taken out and hauled away. New bunkers were built on the ninth green.

Golf House.

On the shore of the lake, and convenient to the first tee of the Van Cortlandt Course, the Department maintains a golf and locker house. In this building is a section containing 490 lockers for men, and two shower baths, and 32 polo lockers for the use of the members of the New York State National Guard, who play polo in this park; and a section containing 80 lockers and 2 shower baths for the use of women.

Water Sports.

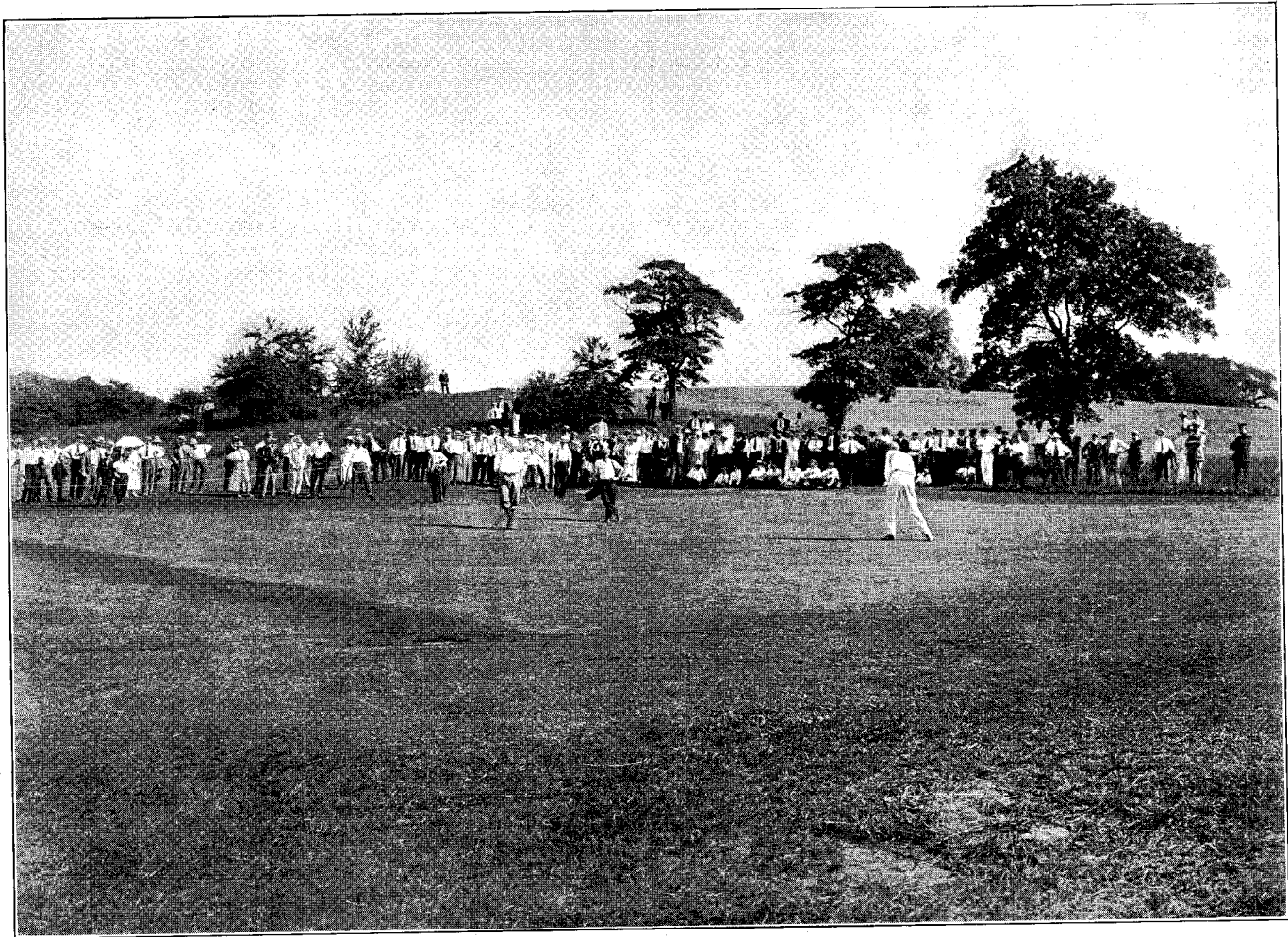
There is a long narrow lake that covers some 16½ acres. There are boats and canoes for rent. In the winter it is used for skating, the golf house being used as a skate house. Curling matches are also engaged in here.

Baseball and Other Sports.

There are 12 baseball fields. There are 8 tennis courts; 4 on the Gun Hill Road, 2 on the parade field, and 2 on the new golf links. During the fall season, the baseball fields are used for football. There is a 59-acre parade ground, a 32-acre polo field, a cricket field, and a cross-country course 6 miles in length, over which the Junior and Senior Individual and Team Cross-country championships of the Metropolitan Association of the A. A. U. were run.

Colonial Garden.

A very beautiful feature in this park is the formal Colonial Garden in front of the Colonial Mansion, comprising about 3½ acres. In the center of it is a handsome marble fountain, surmounted by the coat of arms of the City of New York, and on the sides the coat of arms of the Thirteen Original States. This fountain was presented to the City of New York by Mrs. Frederick F. Thompson, at a cost of \$14,000.



16th GREEN

Van Cortlandt Park Golf Links.

Van Cortlandt House and Other Historical Features.

The Van Cortlandt House is one of the old houses within the area of Greater New York. It is still in excellent condition. It is in the custody of the "Colonial Dames of the State of New York." This society has gathered a very interesting collection of Dutch and Colonial household furniture and utensils, arms and documents. It is open to the public every day in the week, including Sundays, and admission is free, excepting on Thursday, on which day 25 cents admission is charged, which includes a cup of tea served in the old kitchen.

Historical Associations.

The land comprising Van Cortlandt Park was originally included in a vast tract, having at first no particular bounds, under the control of the Dutch West India Company. This company acquired a formal title originally from the Indian proprietors, the tribe called the Manhattans, the Indian overlord or chief of which was Tackareek, whose campfire burned on the heights of Nevisans, the region now known as Navesink Highlands.

The first individual owner of the tract was Adrian Van der Donck, who acquired it from the resident governor of the Dutch West India Company, Governor Kieft, in 1646. Van der Donck was further required at this time to obtain the consent of the Indians to the formal transfer of the property to him. He planned to colonize it and erect there his "bouwerie."

While he evidently did succeed in cultivating his land to a small extent, his larger plans for its upbuilding were never carried out. He had a planting field, which for many years after was known as Van der Donck's planting field, on what is now the parade ground of Van Cortlandt Park. His first house was erected on the banks of the Neperham, now called Saw Mill River, in Yonkers, that name being derived from the sawmill which he operated there for some years.

The ancient cellar ruins recently uncovered in the park, near the Van Cortlandt House, could not have been those of a house erected by Van der Donck, as some have claimed; but were either the ruins of an ancient block-house, or, more probably, were those of the house of George Tippet, which he, describing it as his "home lott," sold to Jacobus Van Cortlandt in 1732. Whatever, if anything, Van der Donck built on this site, was at best nothing more than a farm hut, and was certainly destroyed in the Indian uprising of 1655; when they threatened to "wipe out the Dutch," and too well, indeed, did they keep their word.

He had obtained from the States General the authority to devise his property or Colony of Colen Donck; and upon his death left to his widow, who was the daughter of Francis Doughty, an English clergyman, who for certain alleged heretical tenets, had been driven out of the English Colony along the Connecticut, and who had been given safe harborage by the Dutch on Long Island, near Flushing. His widow transferred the Colony of Colendonck to her brother Elias Doughty, of Flushing.

Doughty disposed of it mainly in three parcels; the first parcel, comprising the southerly part of the Manor, and including part of the planting field, and that part of the park where the old Van Cortlandt house now stands, to William Betts and his brother-in-law, George Tippet, in the year 1668. This is the only one of Doughty's sales that need interest us, George Tippet's name being perpetuated in the stream that runs the entire length of the park.

The Van Cortlandts' first began to acquire the property in the year 1696, Jacobus Van Cortlandt in that year buying 320 acres. Having acquired various other parcels of land in the vicinity, largely from Tippet's and Bett's heirs, Jacobus Van Cortlandt planned to dam the brook called by the Indians Muskota, and by the white settlers Tippetts, forming a lake and erecting a sawmill and gristmill. This was in the year 1718. These mills, principally the gristmill, served the people of the community for more than a century and a half following. The community suffered a loss historically when the mills were destroyed by lightning and fire in the year 1901.

When Jacobus Van Cortlandt acquired the property on which the Van Cortlandt House now stands, which was in the year 1732, George Tippet, who sold it to him, stipulated that the burying ground included in the tract transferred, "which having originally been, and still is, for the use of a cemetery or burying place," should be held out and reserved for such use to him, his heirs and assigns. This is the little old burying ground on the shore of the lake, to the east of the Van Cortlandt House. There are a few old tombstones in it now, almost undecipherable, but some can be yet distinguished as those of Tippet's ancestors and descendants.

The present Van Cortlandt House was erected by Frederick Van Cortlandt in the year 1748. He also built a vault and family burying ground, located on what is now known as Vault Hill in the park. His will (probated in 1715) directs that his body should be buried there. This vault was used during the Revolution to hide away certain papers and documents and public records from the British, Augustus Van Cortlandt being at that time Clerk of the City of New York.

Practically every foot of land was fought over during the Revolutionary War. First occupied and ranged over by the American troops as they manoeuvred and fought for the passes at Kingsbridge, and afterwards occupied by the British, as they, by weight of numbers, gradually forced the American defenders back.

During one period of the Revolution, the House was the headquarters for the Hessian Jaegers. In one of the rooms, Captain Rowe of the Pruicbank Jaegers, expired in the arms of his bride-elect, having been mortally wounded in an engagement with the patriots in the Tippet Valley.

Close by the Van Cortlandt House to the east, is to be seen an old window, taken from the "Sugar House," the old warehouse in Duane Street, which was built in 1763, and which was used during the Revolutionary War by the British as a prison for the American soldiers.

In the northeastern part of the park is Indian Field. An impressive cairn of stones and a tablet mark the spot where on August 31, 1778, a British cavalry squad under Simcoe defeated a party of Stockbridge Indians who were fighting on behalf of the patriots. Eighteen of them, including their chief, Ninham, were buried almost where they fell.

In 1781, Washington built camp fires on Vault Hill, to deceive the British, while he was withdrawing his troops to Yorktown. The Van Cortlandt house is credited with having harbored General Washington on two occasions. First, in the year 1781, when Washington was examining the ground about Kingsbridge, and directing its fortifications and defense; and the second time, on the 12th of November, 1783, a far more auspicious occasion, as the next day he rode victorious across Kingsbridge on his way with his troops to repossess the City, from which he had been forced to retreat several years before.

Improvements.

New walks, 10 feet wide, 7,105 feet in length in the aggregate, were built from Broadway to Van Cortlandt Mansion, and thence to the railroad bridge on the easterly side of the Parade Ground.

A gasoline storage tank of 550 gallons capacity was installed in the small building near the first tee of the golf links.

Mosholu Avenue, from Broadway to Jerome Avenue, was resurfaced with stone obtained from contractors without cost to the City.

The road from Broadway to Van Cortlandt Station of the Putnam Division of the New York Central Railway Company was covered with tar and grits.

The road along the golf links was resurfaced with broken stone obtained from the contractors constructing a section of the aqueduct nearby.

Grand Avenue from Gun Hill Road to Jerome Avenue was resurfaced.

The Parade Ground road, from Grand Avenue to a point 800 feet east of the railroad crossing was resurfaced.

Deer Range Road and Grand Avenue were covered with tar and grits for a distance of about three miles and an average width of 30 feet.

Approximately 40,000 cubic yards of fill was deposited in the swamp lands in the southwest portion of the park, along the Broadway side, under contract with the Van Cortlandt Contracting & Improvement Company.

Around the Colonial Mansion 575 Ornamental Evergreen trees and shrubs were planted, thus adding to the Colonial appearance of the Mansion.

In the Colonial Garden there were planted 258,000 plants of various kinds.

During the latter quarter of the year, all beds in the Colonial Garden were cleaned of the summer flowering bulbs; beds were ploughed, harrowed and levelled, and planted with 100,000 vari-colored tulip bulbs.

Van Cortlandt Park Nursery.

Pruned 25,000 deciduous shrubs; maintained 30,000 pansies and 20,000 daisies.

Prepared and put in propagating benches, 20,000 evergreen cuttings. Sprayed 30,000 shrubs and 8,000 trees for scale.

Repaired all roads and walks, and did general cleaning up of refuse left after the winter.

Cultivated and cared for trees and shrubs, pruning and spraying same.

Planted 75,000 pansies and daisies, and prepared frames for them.

Comparatively little work was done in the nursery during the last quarter of the year, because of the open weather and the amount of outside work necessary. However, 20,000 pansies and 20,000 daisies were cared for, while 3,000 shrubs and 200 trees were pruned and cared for, as well as all herbaceous plants and young evergreens.

WASHINGTON BRIDGE PARK.

This park has an area of 8.45 acres and is located at the Bronx approach of Washington Bridge, which spans the Harlem River to West 181st Street, Manhattan.

The greater area is on the slope leading to the Harlem River and is in a fine state of cultivation.

OLD FORT NUMBER FOUR PARK.

This park has an area of 6.71 acres.

Means of Access.

Jerome Avenue line of the Union Railway to Kingsbridge Road; thence walk west to Sedgwick Avenue or transfer to west bound trolley.

Historical Associations.

This park is a rocky bluff by the roadside, located southwesterly from, and adjacent to, the Reservoir, at the intersection of Reservoir and Sedgwick Avenues. It is the site of the outer defenses which Washington built during the Revolution to protect the American army when it was encamped on the Heights of Harlem. A flagstaff marks the site of the old fort. The rounded earthen mound of the redoubt is clearly marked. When first cleared of brambles, at the center were uncovered an old brick fireplace, and part of a stone flooring, and nearby were found buttons, buckles, coins and pieces of crockery.

A bronze tablet has been erected on the rocky face of the bluff by the Daughters of the Revolution of the State of New York.

TRIANGLES AND SQUARES.

The following plots under the jurisdiction of the Department, located at various points throughout the Borough, were put in a high state of cultivation, and presented a vastly improved appearance, beautifying the plazas in which they are located, 15,000 plants being used:

	Acres
A Third Avenue and 137th Street.....	0.04
B Hall Place and 165th Street.....	0.38
C Hunt's Point Road and Faile Street.....	0.07
D Hunt's Point Road and Randall Avenue.....	0.12
E Washington Avenue and 163d Street.....	0.26
F Washington Avenue and 161st Street.....	0.26
G Brook Avenue and 161st Street.....	0.36
H Morris Avenue and 142d Street.....	0.06
I Aqueduct Avenue and Boscobel Street.....	0.62
J Waldo Avenue, Fieldstone Road and 242d Street.....	4.31
K Boston Road and Third Avenue.....	0.06
L Webster Avenue, Claremont Parkway, Clay Avenue.....	0.28
M Jerome Avenue and 170th Street.....	0.50
N Willis Avenue and Southern Boulevard.....	0.60
O Spuyten Duyvil Parkway and Broadway.....	0.20
P Fordham Road and Southern Boulevard.....	0.54
Q Quarry Road and 183d Street.....	0.05
R Morris Avenue and 144th Street.....	0.06
S Pelham, Crotona Avenue and Southern Boulevard.....	0.60
T Mosholu Avenue and Broadway.....	0.06
U Washington Avenue and 188th Street.....	0.15
V Hunt's Point Avenue, Whitlock Avenue and 163d Street.....	0.32
W Third Avenue, Quarry Road and 181st Street.....	0.05
X Waldo Avenue and 242d Street.....	0.31
Y Boston Avenue and 169th Street.....	0.16
Z Franklin Avenue and 169th Street.....	0.15
AA Austin Place and 149th Street.....	0.04
BB Shakespeare Avenue and 168th Street.....	0.06
Totals.....	10.47

PARKWAYS.

Index	Name	Actual Length Linear Feet	Width in Feet	Square Feet	Acres
EE	Bronx and Pelham.....	11,861	400	4,744,400	108.90
FF	Crotona.....	3,815	140	534,100	12.30
GG	Mosholu.....	6,035	600	3,621,000	83.12
			Average Width		
HH	Spuyten Duyvil (varies from 60 to 180 feet).....	11,500	106.438	11,224,037	28.10
	Totals.....	33,211		20,123,537	232.44

BRONX AND PELHAM PARKWAY.

Improvements.

There were 7,000 square feet of pathway covered with stone screenings.

Between Williamsbridge Road and Eastchester Road, 15,000 square yards of road surface were patched.

The Department reset 110 feet of curbing.

Fifty cubic yards of stone were removed from the lawns.

About 500 square feet of roadway were cut and filled with road binder.

The main driveway between Bear Swamp and White Plains Road was covered with tar and grits. The area thus covered was 16,350 square yards.

Five large trees were transplanted.

About 4,000 shrubs were pruned.

The two spaces on either side of the main drive between the entrances to Bronx Park and White Plains Avenue, which were formerly two long narrow bare stretches of grass with several clumps of unsightly rocks, displeasing to the eye, were planted with rhododendrons and other evergreen and deciduous plants.

Two large beds of rhododendrons were planted at the White Plains Avenue entrance, and two surrounding the rocks, almost entirely hiding them, thus transforming entirely the landscape at this point.

Two large beds of ornamental evergreens and azaleas were planted in the center of the grass plots and connected with the two rhododendron plantations at either end with a bed 10 feet wide of hardy flowering plants, and bordered on either side by two beds of summer flowering plants, such as geraniums, iris and altheas, thus furnishing a continuous bloom from spring to late fall.

About 13,466 evergreen, deciduous and herbaceous plants were used in this plantation, as well as 60,000 summer flowering plants.

During the last quarter of the year the force rearranged the flower beds along the Parkway, and planted the same with 49,000 flowering bulbs for early spring flowers, such as tulips, narcissus and lilies. All rhododendron and evergreen plantations were gone over and given a winter covering to protect them through the bad weather.

The bulb and herbaceous beds were covered with stable manure to protect them through the winter.

CROTONA PARKWAY.

The entire roadway was resurfaced and covered with tar and grits.

For some time the Department has been wondering how it would be able, in the absence of any presently available funds for the purpose, to improve and fence the center plots separating Southern Boulevard and Crotona Parkway between 175th and 183d Streets.

This is a prominent and much used thoroughfare, located in a thickly populated section of the Borough. These center plots, because of prevalent conditions, had become unsightly.

Recently, the Commissioner learned, that he could acquire a considerable supply of good top soil from a contractor who was excavating in that vicinity, and he immediately gave directions to the Superintendent and Head Gardener of the Department to get in touch with this contractor and procure this supply of top soil to be used in resurfacing these center plots so that they might be fittingly planted. Several hundred yards of this top soil was

obtained by the Department free of cost, which, if purchased at the regular market price would have cost \$1.50 per yard.

In the meantime, the Commissioner learned that the Dock Department had a lot of material of different kinds for which it had no further use, and which was available for transfer to other City departments. He immediately instructed the Superintendent of the Department to get in touch with the Dock Department and learn just where this material was located, and then examine the material with the idea of seeing just what and how much of it the Park Department could use. The Superintendent found that there were 4,000 pieces of 1½-inch boiler tubing, each piece being 9 feet in length, which could be used by this Department in constructing fences and guard rails. This supply of tubing, if purchased in the market, would have cost the Department at least \$4,000. This tubing was taken to the Department's shops where it was properly matched up and fitted together, so that as much of it as was necessary could be used in fencing these center plots. At the same time the Department had suitable wooden posts made from timber which it had procured from the Bureau of Highways of the Borough of The Bronx, through the medium of the Sinking Fund Commission.

When the fencing of these plots was completed, it was found that more than 6,000 feet of two-rail fencing was erected.

The Commissioner upon learning that sufficient material had been procured to construct the fencing around these center plots, directed the Head Gardener of the Department to beautify these plots by planting suitable flowers and shrubbery.

In consequence, all these plots have been seeded, 12 new flower beds have been made and planted with tulip bulbs, and 500 shrubs have been planted in the various plots. At either end of each plot a space has been reserved and benches placed where any one so desiring may go and rest, and where children may play.

Thus it will be seen that the Department has been able to accomplish two results:

1. It has found it possible, without any extra expense to the City, to improve and beautify the center plots along Southern Boulevard which had heretofore been unsightly and uninviting.

2. It has shown that a wide-awake and efficient department can co-operate with other departments in such a way as to procure, free of cost, materials which, if purchased, would cost the City thousands of dollars.

Note:—In addition to the work done on the center plots, the Department has also resurfaced Crotona Parkway from 175th to 183d Streets, thus putting that Parkway into good condition.

MOSHOLU PARKWAY.

The roadway from Gun Hill Road to Bainbridge Avenue was covered with tar and grits.

The roadway west of Jerome Avenue Bridge was repaired with 900 square feet of $\frac{3}{4}$ stone and road binder patching. A coat of tarvia and grits was then spread over this stretch of road.

The Bainbridge Avenue entrance on the north side of the Parkway was resurfaced to a depth of 6 inches with 1½-inch stone obtained from the Jerome Park Reservoir.

On the northerly side of the Parkway a new lawn 600 feet long and 75 feet wide was graded and seeded.

On the northerly side of the Parkway 1,200 cubic yards of top soil was delivered and spread, free of cost, by contractor excavating in the neighborhood.

About 35,000 deciduous shrubs were pruned.

SPUYTEN DUYVIL PARKWAY.

The entire roadway was covered with tar and grits and worn spots repaired.

A two-rail pipe fence, 680 feet long, with posts made of I beams, was constructed.

Christmas Tree.

During Christmas week of 1915, as in the year previous, a large Christmas tree was erected in this park in cooperation with the Parks and Playgrounds Association.

This tree was erected upon a platform, and was covered with 300 electric lights, the current for which was contributed by the New York Edison Company.

In the afternoon of the day before Christmas, athletic games were played by the children in the playground, and toys were given as prizes to the winners of the different contests.

In the evening several thousand cornucopias and packages of candy were distributed to the children present.

This department cooperated with the Mayor's Christmas Celebration Committee and the Bronx Borough Committee in furnishing, placing and lighting five Christmas trees located as follows:

Concourse and 188th Street.

Webster Avenue and 177th Street.

Westchester Square.

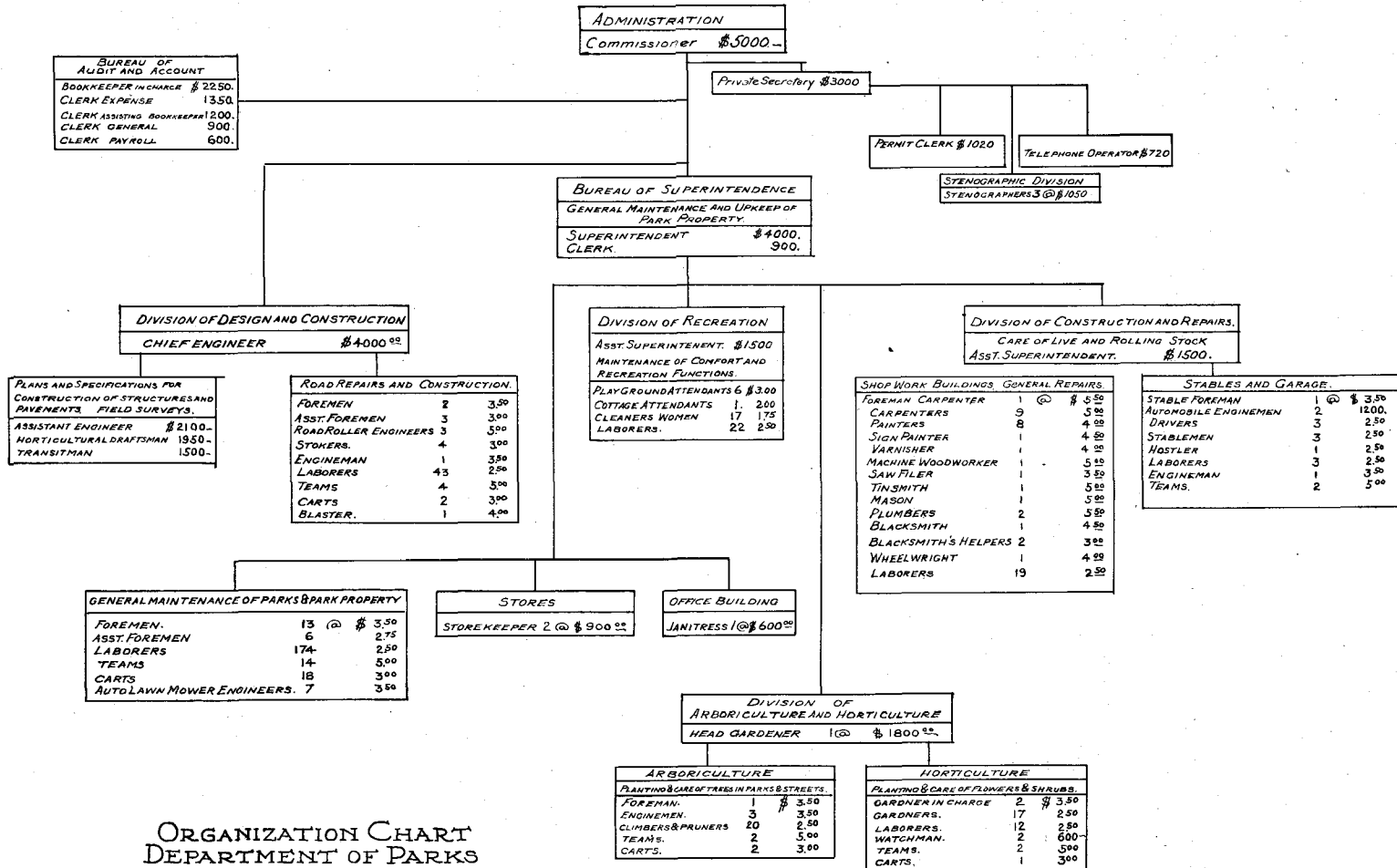
Franklin Avenue and 161st Street.

148th Street and Third Avenue.

A Special Christmas Tree and Playground in the Armory of the Second Field Artillery at Franklin Avenue and 166th Street.

The Department cooperated with the Committee in furnishing an indoor playground in the Armory of the Second Field Artillery at 166th Street and Franklin Avenue, and in erecting and properly equipping a Christmas tree in the same Armory.

The playground and Christmas tree were visited and enjoyed by thousands of children living in all portions of the Borough, and was undoubtedly a great success.



**ORGANIZATION CHART
DEPARTMENT OF PARKS
BRONX.
1915**

THE CITY OF NEW YORK
DEPARTMENT OF PARKS, BOROUGH OF THE BRONX.
Physical Statistics of Parks.
Acres in Parks, Squares, Triangles, Parkways, Water Surface, etc.

NUMBER OF				Index.	NAME OF PARKS	Total Areas of Parks In Acres.	Assessed Valuation of Land in Dollars.	Value of Land Improvement in Dollars.	Land Surface.												Water Surface.		Roads.				Bridle Path.		Index.
PLAYGROUNDS	BASE BALL DIAMONDS	TENNIS COURTS	Improved Areas.										Unimproved Areas.		Natural.	Artificial.	Length in Feet.	Average Width in Feet.	Square Yards	Miles	Length in Feet.								
			Total Land Area.						Total Improved Area.	Improved Lawns.	Plantations Flowers & Shrubs.	Trees & Shrubs.	Picnic Grounds	Athletic Fields & Grounds.								Roads & Paths.	Buildings.	Unimproved Lawns.	Other developed but Unimproved Areas.	Under eloped Areas.			
	2	4	1	1	BRONX PARK.	4719.12	17,206,000.00	19,056,000.00	8686.62	8.50	3.00	0.50	2.00		1.40	16.55	1.30	E 1.50	F	G 66.00	28.00	4.50	9344.0	26.0	26995.0	1.77		1	
	2	4	38	2	CROTONA PARK.	154.60	8,360,000.00	8,405,000.00	151.35	136.21	80.65	7.60	9.50		23.60	14.62	0.25	3.74	5.00	8.74		3.25	17000.0	30.0	56666.0	3.22		2	
	1	1	4	3	CLAREMONT PARK.	38.00	665,000.00	690,000.00	38.00	29.40	19.16	0.01	2.30		2.88	4.95	0.10	3.10	2.00	3.50			30900.0	25.0	83330	0.57		3	
				4	DEVOE PARK.	5.87	375,000.00	375,000.00	5.87	5.87	3.00	0.02	1.15		0.21	1.49												4	
				5	DRAKE PARK. J.RODMAN	2.80	21,500.00	21,500.00	2.80							0.10	0.04											5	
				6	ECHO PARK	4.00	256,000.00	256,000.00	4.00	3.00	1.94	0.04	0.28			0.74			0.25		0.75							6	
				7	FULTON PARK	0.94	44,000.00	44,000.00	0.94	0.94	0.74	0.01	0.02			0.17												7	
	1	4	10	8	MACOMBS DAM PARK.	27.00	922,500.00	1,231,000.00	27.00	22.06	5.14	0.06	0.80		14.00	1.96	0.10		1.94	3.00			990.0	18.0	18000	0.7		8	
				9	MELROSE PARK	0.83	61,500.00	61,500.00	0.83	0.83	0.75	0.02	0.02			0.10												9	
	10	1	10	10	PELHAM BAY PARK.	1756.00	10,000,000.00	10,610,000.00	1706.00	346.80	130.00	0.80	3.50	30.00	137.00	42.80	2.70	138.00	621.80	600.00	50.00		39000.0	28.0	1835550	11.17	5400.00	10	
				11	POE PARK.	2.33	200,000.00	200,000.00	2.33	2.33	1.60	0.02	0.13			0.56	0.02											11	
				12	ROSE HILL PARK.	0.72	60,000.00	60,000.00	0.72	0.72	0.47	0.01	0.02			0.22												12	
				13	ST. JAMES PARK.	11.83	710,000.00	765,000.00	11.83	11.83	7.15	0.01	3.00		0.52	1.16	0.03						1000.0	30.0	33330	0.19		13	
	2	1	8	14	SIGEL PARK. FRANZ	17.47	668,000.00	673,000.00	17.47	10.60	4.63	0.03	4.30			1.34	0.10	2.37	2.50	2.00			1000.0	18.0	20000	0.19		14	
				15	ST. MARYS PARK.	34.20	484,500.00	494,500.00	34.20	28.82	10.08	0.10	8.40		5.00	5.12	0.12	2.00	1.22	2.20			2000.0	30.0	66660	0.38		15	
				16	ST. AUGUSTINE PARK.	0.25	26,500.00	26,500.00	0.25	0.25	0.11	0.01				0.13												16	
				17	UNIVERSITY PARK	2.75	115,000.00	115,000.00	2.75	2.25	0.95	0.01	0.84			0.45		0.50										17	
	13	8		18	VAN CORTLANDT PARK.	1132.35	13,200,000.00	13,250,000.00	1115.85	578.35	302.00	5.20	24.50	50.00	147.00	43.75	0.90	150.00	42.50	350.00	16.50		46000.0	25.0	127777.0	8.71	16400.00	18	
				19	WASHINGTON BRIDGE PARK.	8.45	44,000.00	44,000.00	8.45	8.27	6.60	0.04	0.80			0.62	0.01		0.32									19	
				20	FORT INDEPENDENCE PARK.	2.97	50,000.00	50,000.00	2.97							0.71			2.26									20	
				21	FORT 4. PARK.	6.71	60,000.00	60,000.00	6.71									4.00		2.71								21	
7	35	86			TOTALS	3929.19	53,429,500.00	56,488,000.00	3626.94	1192.04	578.17	14.49	61.56	80.00	331.61	137.74	5.67	307.72	677.28	1038.90	94.50	7.75	139244.0			427125.0	26.37	21800.00	
					TRIANGLES AND SQUARES, ETC.																								
				A	THIRD AVENUE AND 137TH STREET	0.04			0.04										0.04										
				B	HALL PLACE AND 165TH STREET.	0.38	25,000.00	25,000.00	0.38	0.17	0.17							0.21											
				C	HUNTS POINT ROAD AND FAILE ST.	0.07	1,300.00	1,300.00	0.07										0.07										
				D	HUNTS POINT ROAD & RANDALL AVE	0.12	3,800.00	3,800.00	0.12												0.12								
				E	WASHINGTON AVE AND 163RD ST.	0.06	10,000.00	10,000.00	0.06	0.06			0.06																
				F	WASHINGTON AVE AND 161ST ST.	0.26	50,000.00	50,000.00	0.26	0.26	0.20	0.06																	
				G	BROOK AVENUE AND 161ST STREET	0.36	65,000.00	75,000.00	0.36	0.36	0.20					0.03	0.10												
				H	MORRIS AVENUE AND 142ND STREET.	0.06	8,000.00	8,000.00	0.06	0.06																			
				I	AQUEDUCT AVENUE AND BOSCOBEL ST.	0.62	40,000.00	40,000.00	0.62	0.62	0.50	0.04	0.08																
				J	WALDO AVE FIELDSTON ROAD AND 242ND ST.	4.31	42,800.00	42,800.00	4.31	1.10			0.70			0.31			1.80	1.50									
				K	BOSTON ROAD AND THIRD AVENUE	0.06	12,000.00	12,000.00	0.06	0.06	0.06																		
				L	WEBSTER AVE & CLAREMONT PARKWAY	0.28	15,000.00	15,000.00	0.28	0.28	0.28																		
				M	JEROME AVENUE AND 170TH STREET.	0.50	55,000.00	55,000.00	0.50	0.50	0.47					0.03													
				N	WILLIS AVENUE & SOUTHERN BOULEVARD	0.60	140,000.00	150,000.00	0.60										0.60										
				O	SPUYTEN DUYVIL PARKWAY & BROADWAY.	0.20	6,000.00	6,000.00	0.20												0.20								
				P	FORDHAM ROAD & SOUTHERN BOULEVARD	0.54	5,000.00	6,500.00	0.54												0.54								
				Q	QUARRY ROAD AND 183RD STREET	0.05	3,000.00	3,000.00	0.05	0.05			0.05																
				R	MORRIS AVENUE AND 144TH STREET.	0.06	12,000.00	12,000.00	0.06	0.06			0.06																
				S	PELHAM, CROTONA AVE & SOUTHERN BOULEVARD	0.60	100,000.00	100,000.00	0.60	0.45	0.30					0.15													
				T	MOSHOLU AVENUE AND BROADWAY.	0.06			0.06											0.06									
				U	WASHINGTON AVE AND 188TH STREET.	0.15	15,000.00	15,000.00	0.15	0.15	0.15																		
				V	HUNTS POINT AVE WHITLOCK AVE & 163RD ST	0.32	3,000.00	3,000.00	0.32																				

DEPARTMENT OF PARKS—
TABLE No. 2—PRIVIL

LOCATION	NAME OF LESSEE	Date Lease Took Effect	Date of Expiration of Lease	Present Rental Rate
VAN CORTLANDT PARK.				
PRIVILEGES—				
Boat and Canoe House and part of Golf House.....	R. P. Hogue, Inc.....	Dec. 1, 1914	Dec. 1, 1919	\$3,300.00
Tremper House, use of barn, shed and small buildings adjacent thereto....	Alfred J. Hayhurst....	Dec. 1, 1914	Dec. 1, 1919	2,500.00
Junction of two roads near the lake...	Adolf F. Winterman...	July 1, 1908	July 1, 1916	525.00
Opposite of main gate of Woodlawn Cemetery on Jerome Avenue.....	Mary Lord.....	Jan. 1, 1914	Jan. 1, 1917	124.00
Stable near Tremper House.....	Jas. B. Young.....	Dec. 1, 1914	Dec. 1, 1915	300.00
RENTALS—				
Disbrow Mansion, stable and fields ad- jacent, three polo fields on parade grounds.....	Division Headquarters, Guard.....	April 1, 1903	April 1, 1915	1.00
East of Grand Avenue, north of Gun- hill Road.....	Margaret Eastman....	April 1, 1902	At pleasure of Dept.....	36.00
Van Cortlandt Mansion.....	Society of Colonial Dames of N. Y.....	Jan. 1, 1897	Jan. 1, 1922	1.00
BRONX PARK.				
PRIVILEGES—				
Botanical Garden Station.....	N. Y. C. & H. R. R. R. Co.....	July 1, 1890	At pleasure of Dept.....	100.00
CROTONA PARK.				
PRIVILEGES—				
Near shore of Indian Lake.....	Lewis Berger.....	Dec. 25, 1914	Dec. 25, 1919	No rental, lessee to erect build- ing at a cost not less than \$2,000.00. Lease calls for 5 yrs. per annum, \$400.00
PELHAM BAY PARK.				
PRIVILEGES—				
Hunter Island Inn, including sheds and locker building adjacent thereto....	Pelham Park Hotel Co.	May 10, 1898	May 10, 1918	2,200.00
Hunter House, also the boat house situ- ated near the bathing houses at Athletic Beach and the use of two stalls and storeroom for feed for horses and room for two vehicles in stable.....	Martin J. Kane.....	July 1, 1913	Jan. 1, 1919	2,250.00
Building known as the Tallapoosa Club house.....	Charles C. Diretsch....	Dec. 1, 1912	Dec. 1, 1917	2,000.00
Orchard Beach.....	Freeley and Bowden...	April 1, 1913	April 1, 1917	1,816.00
Opposite railroad station, Bartow.....	Joseph Kraus.....	Oct. 1, 1913	April 1, 1917	1,500.00
Ogden House together with the addi- tions thereto.....	Pelham Park Golf Cater- ing Co., Inc.....	Nov. 1, 1913	Nov. 1, 1918 with option for 5 years more at \$1,800.00.	1,200.00
Marshall House and stable connected therewith.....	Robert F. Spittell....	April 1, 1914	April 1, 1917	420.00
LeRoy Bay Hotel, on shore west of Jack's Rock.....	Annie Petro.....	Dec. 27, 1910	Dec. 27, 1912 and continued to date with- out new agreement...	420.00
Road to New Rochelle on Eastchester Bay.....	Andrew Gack.....	April 1, 1914	April 1, 1917	400.00
Near Athletic Field.....	Edward Rose.....	May 1, 1915	Dec. 1, 1915	1,200.00
Near Orchard Beach.....	B. F. Wood.....	June 1, 1915	June 1, 1917	125.00
Hotel and sheds near City Island Bridge	John T. Jordan.....	May 1, 1904	May 1, 1909 and continued as a monthly tenant.....	300.00

BOROUGH OF THE BRONX.
EGES AND RENTALS.

Previous Rental Rate	Increase Over Previous Rate	Decrease Under Previous Rate	CHARACTER OF CONCESSION	Does Lease Require That Premises be Kept in Repair by Lessee
\$675.00	\$5,125.00		Refreshments, etc., other than spirituous liquors, also cigars, tobacco, etc., and letting of boats and canoes.....	Yes
525.00			Restaurant, cafe, including spirituous liquors. Ex- pend \$5,000.00 in first three months for repairs, etc.....	Yes Yes
120.00	4.00		Refreshments, spirituous liquors excepted.....	Yes
	300.00		Riding Academy.....	Yes
600.00		599.00	Mansion, stable and fields.....	Yes
36.00			Residence.....	Yes
1.00			Museum.....	Interior Repairs
100.00			Passenger Station.....	Yes
400.00			In lieu of rental, building to be erected at cost not less than \$2,000.00. Hiring of skates and boats, checking clothing, and sale of refreshments, spir- ituous liquors excepted.....	Yes
2,200.00			Sale of refreshments in Inn and renting lockers and checking articles in said building adjoining.....	Yes
2,000.00	250.00		Maintaining a restaurant for the sale of refresh- ments, and for renting boats and bathing suits...	Yes
1,900.00	100.00		Sale of refreshments.....	Yes
1,711.00	105.00		For the privilege of occupying grounds on which to erect a building, the cost not to exceed \$500.00. From said building they may sell refreshments (spirituous and malt liquors excepted) and to rent and supply bathing suits.....	Yes Yes
1,300.00	200.00		Sale of refreshments.....	Yes Yes
150.00	1,050.00		To keep and maintain and conduct a restaurant or place of refreshments, including accommodations for golfers. Rent fixed at \$1,200.00 in considera- tion of lessee expending not less than \$5,000.00 for alterations, repairs and additions.....	Yes
420.00			Sale of refreshments and first class restaurant. To expend for repairs, etc., during the first year \$750.00, and in the second year \$250.00.....	Yes
420.00			Sale of refreshments and restaurant. Ground rent.	Yes
432.00		32.00	Sale of refreshments. To expend for repairs, etc., \$2,000.00 during first year and \$500.00 during each remaining year.....	Yes Yes Yes
	1,200.00		Merry-go-round.....	Yes
	125.00		Letting of boats.....	Yes
300.00			Letting of boats and selling refreshments. Ground rent.....	Yes

**DEPARTMENT OF PARKS—
TABLE No. 2—PRIVIL**

LOCATION	NAME OF LESSEE	Date Lease Took Effect	Date of Expiration of Lease	Present Rental Rate
Stand at intersection of Eastern Boulevard and Westchester Avenue.....	Charles E. Schuyler....	July 1, 1914	Oct. 15, 1914	150.00
Stand on road to New Rochelle near Bartow Station.....	Letitia Collins.....	June 15, 1912	June 15, 1917	102.00
South side of bridge crossing Eastchester Bay.....	Orson P. Raynor.....	May 1, 1909	May 1, 1916	100.00
Eastern Boulevard near City Island Rd.	Mary Nichols.....	Sept. 1, 1904	Sept. 1, 1907 and continued to date with- out new agreement...	.....
RENTALS—				
Mansion and stables east side of road to New Rochelle and cottage on opposite side of road.....	Mrs. Frances A. Munroe	Jan. 1, 1913	Jan. 1, 1918	720.00
Rodman's Neck.....	Morris Yacht Club....	June 1, 1904	June 1, 1909 continued to date without new agree- ment.....	180.00
Prospect Hill Road.....	Mrs. Mary J. Jardine..	Jan. 1, 1899	Pleasure of D.	96.00
Near Adeo Mansion.....	Roger Gallagher.....	Jan. 2, 1908	Pleasure of D.	60.00
Rodman's Neck.....	Metropolitan Yacht Club.....	Aug. 1, 1905	Pleasure of D.	60.00
Road to New Rochelle.....	Gordon Sey.....	Jan. 1, 1899	Pleasure of D.	60.00
West of Hunter Island Inn.....	Mrs. N. Hill.....	Dec. 27, 1905	Pleasure of D.	36.00
Gate House, Hunter Island.....	Anna Kraus.....	June 1, 1904	Pleasure of D.	36.00
On shore near Ogden House.....	F. James Reilly.....	May 1, 1906	Pleasure of D.	5.00
Adeo Mansion.....	Darrach Home for Crip- pled Children.....	April 1, 1909	Pleasure of D.	1.00
Cottage opposite Marshall property...	Joseph Dowling.....	July 1, 1911	Pleasure of D.	1.00
Hunter Island House.....	Department of Charities	May 1, 1913	Pleasure of D.	.....
Twin Island House.....	Department of Charities	Aug. 1, 1913	Pleasure of D.	.....
Bartow Mansion.....	International Garden Club.....	Sept. 4, 1914	Sept. 4, 1917	..... Lessee is to expend not less than \$3,000 per annum.
Jack's Rock.....	Stuyvesant Yacht Club.	Nov. 22, 1915	Nov. 22, 1925	No rental. Lessee to erect build- ing at a cost not less than \$4,000. Said build- ing to re- vert to the City.....
McCOMB'S DAM PARK.				
PRIVILEGES—				
Junction, Jerome Avenue and 161st Street Building erected by lessee in lieu of rental. Cost of erection about \$3,000. Lessee had use of same for 11 yrs. without rental. Rental figured on cost of building for 11 yrs. at \$272.73. Building now the property of the City of New York.....	Catherine Ruppert....	Nov. 1, 1914	Nov. 1, 1917	180.00
RENTALS—				
100 ft. of bulkhead line on Harlem River	Nassau Boat Club.....	Oct. 1, 1903	Oct. 1, 1928	50.00
100 ft. of bulkhead line on Harlem River	Nassau Boat Club.....	April 1, 1910	Dec. 1, 1928	50.00
141 ft. of bulkhead line on Harlem River	1st Bohemian Boat Club	Dec. 1, 1903	Dec. 1, 1928	50.00
100 ft. of bulkhead line on Harlem River	Harlem Boat Club.....	Nov. 1, 1903	Nov. 1, 1928	50.00
75 ft. of bulkhead line on Harlem River	Metropolitan Rowing Club.....	Nov. 1, 1903	Nov. 1, 1928	37.50
75 ft. of bulkhead line on Harlem River	Wyanoke Boat Club...	Nov. 1, 1903	Nov. 1, 1928	37.50
50 ft. of bulkhead line on Harlem River	Crescent Rowing Club.	Nov. 1, 1913	Nov. 1, 1928	25.00
Total.....	.....	.....	.....	\$26,205.00
Amounts expended in lieu of rentals.....	.....	.....	.....	3,400.00
Total amount of Collectible Privileges and Rentals.....	.....	.....	.....	\$22,805.00

BOROUGH OF THE BRONX.
EGES AND RENTALS.

Previous Rental Rate	Increase Over Previous Rate	Decrease Under Previous Rate	CHARACTER OF CONCESSION	Does Lease Require That Premises be Kept in Repair by Lessee
200.00	50.00	Sale of milk and buttermilk. Ground rent.....	Yes
102.00	Refreshments, spirituous liquors excepted.....	Yes
100.00	Letting boats and sell refreshments, spirituous liquors excepted.....	Yes
.....	Sale of refreshments, spirituous liquors excepted. In lieu of rental to do matron work in connection with women's public comfort station.....	No
720.00	As private dwelling and residence of coachman.....	Yes
180.00	Club House.....	Yes
96.00	Residence.....	Yes
60.00	Residence and stable.....	Yes
60.00	Club House. Ground Rent.....	Yes
60.00	Residence.....	Yes
36.00	Residence.....	Yes
36.00	Residence.....	Yes
5.00	Portable club house. Ground rent.....	Yes
1.00	Home for Crippled Children.....	Yes
1.00	Residence of Park Foreman.....	Yes
.....	Summer Home for poor children.....	Yes
.....	Summer Home for poor children.....	Yes
3,000.00	Horticultural Garden. To expend not less than \$3,000.00 per annum.....	Yes
.....	Club House.....	Yes
272.73	92.73	Refreshments, etc., spirituous liquors excepted. Permitted to rent waiting room to Union or Inter- borough R. R. Co. Maintain suitable comfort station for the public.....	Interior repairs
50.00	Ground rent for boat house.....	Yes
50.00	Ground for tennis and handball courts.....	Yes
50.00	Ground rent for boat house.....	Yes
50.00	Ground rent for boat house.....	Yes
37.50	Ground rent for boat house.....	Yes
37.50	Ground rent for boat house.....	Yes
25.00	Ground rent for boat house.....	Yes
\$18,519.73	\$8,459.00	\$773.73	.....	.....
3,400.00
\$15,119.73	\$8,459.00	\$773.73	.....	.....

TABLE No. 3.
THE DEPARTMENT'S REVENUES.

During the year 1914, the Department received the sum of.....	\$31,911.07
During the year 1915, the Department received the sum of.....	38,945.45
Covering revenues from all sources.	
This shows an increase for 1915 over 1914 amounting to.....	7,034.38
or an increase of 22 per cent.	

TABLE No. 4.
PARK CONCERTS.

A list of the concerts given in the Bronx Parks during 1915 is shown herein:
The funds appropriated for music have been small in comparison to the large area and extensive use of most of the parks. The large attendance, a large part of which comes from other boroughs, would appreciate more concerts, and the City would do well to set aside gradually increasing amounts from year to year for this class of entertainment.

BAND CONCERTS GIVEN IN THE PARKS IN 1915.

Name of Park	Number of Concerts	Amount Paid	Attendance
Van Cortlandt Park.....	10	\$850.00	50,000
Saint Mary's.....	9	765.00	36,000
Crotona.....	10	910.00	13,000
McComb's Dam.....	8	680.00	10,200
Claremont.....	9	760.00	24,300
Bronx.....	8	680.00	10,800
Saint James.....	9	765.00	14,400
Pelham Bay.....	8	680.00	270,000
Total.....	71	\$6,090.00	428,700

TABLE No. 5.

Changes for 1916			Decrease	Increase
General Office.....	5 Employees \$6,570.00	5 Employees \$6,720.00		\$150.00
Bureau of Audit and Accounts..	5 Employees 6,720.00	4 Employees 5,820.00	\$900.00	
Bureau of Superintendence.....	5 Employees 9,700.00	5 Employees 9,820.00		120.00
Bureau of Engineering.....	4 Employees 9,100.00	3 Employees 5,550.00	3,550.00	
Storeroom.....	2 Employees 1,800.00	1 Employee 900.00	900.00	
Automobile Engineman.....	2 Employees 2,400.00	No Employees	2,400.00	
Skilled and Unskilled Labor....	90 Employees 91,313.50	79 Employees 81,158.00	10,155.50	
Skilled and Unskilled Labor....	81,208 Days 210,142.00	79,332 Days 209,639.50	1,502.50	
Total.....	\$337,745.50	\$319,607.50	\$19,408.00	\$270.00
1915 Budget Allowance....	\$337,745.50			
1916 Budget Allowance....	319,607.50			
Net Decrease.....	\$18,138.00			

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Financial Statement for Year Ended December 31, 1915.

TABLE No. 6.

	Amount	Total	Percentage of Total
Expenditures.			
Administration, General.....	\$32,968.35	.....	.07
Automobile Service.....	10,179.06	.....	.02
Care of Land and Improvements.....	215,340.13	.....	.46
Operation and Maintenance of Playgrounds and Athletic Fields.....	50,861.18	.....	.11
Maintenance of General Park Improve- ments and Property.....	19,573.44	.....	.04
Care of Departmental Buildings and Struc- tures.....	33,104.04	.....	.07
Miscellaneous Expenses.....	59,563.48	.....	.13
Maintenance of General Park Equipment...	13,215.59	.....	.03
Addition and Improvements.....	35,683.45	.....	.07
Total Operating Expenses.....	.....	\$470,488.72	100.00
Receipts.			
Rents.....	\$1,096.00	.....	.03
Privileges and Concessions.....	20,828.20	.....	.574
Fees for Lockers (Total \$5,719.55 of which \$2,667.50 was for 1916 lockers, net for 1915 is \$3,052.05).....	3,052.05	.....	.084
Fees for Golf Privileges (Annual and Daily Golf Permits).....	8,767.50	.....	.242
Fees for Motion Pictures.....	273.00	.....	.007
Fees for Camp Sites.....	2,030.00	.....	.056
Sales.....	62.60	.....	.002
Sundry Receipts.....	168.60	.....	.005
Total Receipts.....	.....	\$36,277.95	100.00
Net Operating Expenditures.....	.....	\$434,210.77	.....

DEPARTMENT OF PARKS—
TABLE No. 7—DISTRIBUTION OF EXPENSES FOR YEAR ENDED

	General Expenses	Super- vision and General Expenses	Care of Roads, Paths, and Drive- ways	Care of Trees, Shrubs, Flowers and Lawns	Care of Beaches, Lakes and Shore Lines
GENERAL ADMINISTRATION.....	\$43,147.41				
PARKS AND PLAYGROUNDS—					
Bronx Park.....		\$224.00	\$795.50	\$626.84	
Claremont Park.....		1,841.12	1,379.92	3,838.05	
Crotona Park.....		5,994.75	6,367.73	11,756.78	
Devoe Park.....		212.65	451.00	1,083.25	
Echo Park.....		617.09	591.59	1,289.23	
McComb's Dam Park.....		1,975.00	2,045.99	1,992.94	
Melrose Park.....			87.50	295.00	
Pelham Bay Park.....		5,853.78	9,644.29	6,946.63	\$1,771.57
Poe Park.....		155.98	415.75	439.50	
St. James' Park.....		1,372.45	1,029.00	1,490.51	
St. Mary's Park.....		2,477.00	3,690.77	2,910.15	
Franz Sigel Park.....		1,088.75	869.12	1,522.75	
University Park.....		156.01	408.11	965.00	
Van Cortlandt Park.....		7,098.30	41,624.72	9,312.50	
Washington Bridge Park.....			292.50	717.50	
Small Parks, Squares and Triangles....		156.16	345.00	3,080.44	
PARKWAYS—					
Bronx and Pelham Parkway.....		2,168.63	2,782.14	6,803.04	
Crotona Parkway.....			11,894.65	692.00	
Mosholu Parkway.....		860.25	6,550.84	2,541.22	
Roads in New York Botanical Garden.			4,614.01		
Spuyten Duyvil Parkway.....		263.00	2,284.31	637.50	
CITY STREETS—					
Care of Trees.....				18,646.62	
UNDISTRIBUTED.....		3,481.75		1,820.00	
MISCELLANEOUS—					
General Park Equipment.....	13,215.59				
Greenhouse and Nursery.....				26,101.14	
Stables.....	12,593.81				
Shops (Overhead).....	10,456.93				
Garage (No Garage in 1914).....	3,922.55				
Additions and Improvements.....	33,478.41				
Miscellaneous Expenses.....	2,205.04				
Total.....	\$119,019.74	\$35,996.67	\$98,164.44	\$105,508.59	\$1,771.57

BOROUGH OF THE BRONX.

DECEMBER 31, 1915, ON BASIS OF FUNCTIONS FOR EACH PARK.

Operation and Maintenance of Play-grounds and Athletic Fields	Care of General Park Improve-ments and Property	Care of Bath Houses and Comfort Stations	Care of Buildings and other Structures and Not Otherwise Classified	Music and Cele-brations	Total for Years	Increase as Compared with 1914	Decrease as Compared with 1914
.....	.....	.....	.....	.....	\$43,147.41	\$2,337.70	.....
\$398.87	\$777.66	\$45.74	\$256.10	\$611.51	3,736.22	.....	\$8,756.48
1,574.64	193.55	810.74	2,847.18	760.00	13,245.20	.....	5,090.14
6,343.62	2,867.87	2,493.53	396.96	1,047.50	37,268.74	.....	3,825.31
30.00	23.76	.....	.....	.....	1,800.66	.....	1,628.86
.....	101.69	.....	50.87	.....	2,650.47	.....	1,371.23
3,748.61	904.97	1,956.96	102.17	695.00	13,421.64	.....	7,678.99
.....	37.89	.....	.....	.....	420.39	.....	260.47
8,684.88	1,198.17	5,759.73	2,541.39	682.50	43,082.94	.....	8,725.90
.....	22.50	.....	351.52	.....	1,385.25	.....	1.68
1,453.15	129.31	491.05	.....	765.00	6,730.47	.....	273.97
2,969.63	1,280.48	654.74	.....	795.85	14,778.62	.....	3,524.84
1,071.03	250.60	959.61	.....	.....	5,761.86	.....	785.19
.....	30.00	.....	.....	.....	1,559.12	546.20	.....
24,480.95	1,642.75	2,405.48	10,725.89	898.75	98,189.34	36,200.28	.....
.....	779.15	233.40	.....	.....	2,022.55	605.77	.....
.....	488.16	.....	.....	232.94	4,302.70	.....	750.56
.....	479.83	.....	20.98	.....	12,254.62	.....	6,214.54
.....	2,747.08	.....	.....	.....	15,333.73	14,664.04	.....
105.80	126.22	.....	.....	.....	10,184.33	.....	4,385.14
.....	.....	.....	.....	.....	4,614.01	2,257.69	.....
.....	502.52	.....	.....	.....	3,687.33	.....	16,657.44
.....	.....	.....	.....	.....	18,646.62	1,469.47	.....
.....	4,989.28	.....	.....	.....	10,291.03	.....	3,221.74
.....	.....	.....	.....	.....	13,215.59	5,762.67	.....
.....	.....	.....	.....	.....	26,101.14	.....	11,015.47
.....	.....	.....	.....	.....	12,593.81	.....	9,777.85
.....	.....	.....	.....	.....	10,456.93	1,755.70	.....
.....	.....	.....	.....	.....	3,922.55	3,922.55	.....
.....	.....	.....	.....	.....	33,478.41	33,478.41	.....
.....	.....	.....	.....	.....	2,205.04	.....	13,122.45
\$50,861.18	\$19,573.44	\$15,810.98	\$17,293.06	\$6,489.05	\$470,488.72	\$104,204.64	\$108,272.41

DEPARTMENT OF PARKS

TABLE No. 8—SUMMARY OF EXPENSES FOR YEAR ENDED DECEMBER 31, 1915, ON BASIS OF

	General Adminis- tration	Park Super- vision and General Expenses	Roads, Paths and Drive- ways	Trees, Shrubs, Flowers and Lawns	Beaches, Lakes and Shore Lines	Trees on City Streets
PERSONAL SERVICE.....	\$35,950.03	\$35,722.93	\$46,650.98	\$49,811.50	\$1,219.15	\$15,202.24
SUPPLIES—						
Forage and Veterinary Supplies..						
Fuel Supplies.....			\$771.10	\$14.63		\$21.32
Office Supplies.....	732.24					
Laundry, Cleaning and Disin- fecting Supplies.....	4.14				\$8.02	
Botanical and Agricultural Supplies.....				\$17.58		\$45.72
Motor Vehicle Supplies.....	1,033.15					
General Plant Supplies.....	12.73		210.11	94.53		5.41
Total, Supplies.....	\$1,782.26		\$981.21	\$926.74	\$8.02	\$572.45
PURCHASE OF EQUIPMENT—						
Office Equipment.....	\$129.32					
Motor Vehicles and Equipment..	3,557.63					
General Plant Equipment.....	8.71				37.53	
Total, Purchase and Equip- ment.....	\$3,695.66				\$37.53	
MATERIALS—						
Highway Materials.....			\$18,509.61			
Building Materials.....						
Motor Vehicle Materials.....						
General Plant Materials.....	\$628.07	\$5.34			\$2.12	\$23.43
Total, Materials.....	\$628.07	\$5.34	\$18,509.61		\$2.12	\$23.43
CONTRACT OR OPEN ORDER SER- VICE—						
General Repairs.....	\$221.59		\$20.00	\$600.00		
Hire of Horses and Vehicles with Drivers.....		\$182.13	13,138.98	9,422.59	\$504.75	\$2,799.50
Shoeing and Boarding Horses in- cluding Veterinary Service...						
Carefare.....	30.50	1.90				49.00
Communication.....	339.08	84.37				
GENERAL PLANT SERVICE—						
General.....	360.45					
Public Recreation—Music.....						
Motor Vehicle Repairs.....	139.77					
Total, Contract or Open Order Service.....	\$1,091.39	\$268.40	\$13,158.98	\$10,022.59	\$504.75	\$2,848.50
Total, Budget Classifications	\$43,147.41	\$35,996.67	\$79,300.78	\$60,760.83	\$1,771.57	\$18,646.62
SPECIAL REVENUE BONDS.....			\$18,863.66			
CORPORATE STOCK.....			\$18,723.25	\$15,985.74	\$2,880.68	
Grand Total.....	\$43,147.41	\$35,996.67	\$116,887.69	\$76,746.57	\$4,652.25	\$18,646.62

—BOROUGH OF THE BRONX.

BUDGET CLASSIFICATIONS AND ISSUES OF SPECIAL REVENUE BONDS AND CORPORATE STOCK.

Play-grounds and Athletic Fields	General Park Improvements and Properties	Bath Houses and Comfort Stations	Buildings and Structures Not Otherwise Classified	General Equipment	Music and Celebrations	Educational and Operative Activities	Additions and Improvements and Miscellaneous Expenses	Total Expenses
\$41,228.06	\$14,107.92	\$14,505.26	\$11,994.20	\$4,752.54	\$305.56	\$40,295.93	\$24,487.91	\$336,234.21
\$300.78		\$290.75	\$1,276.17			\$1,278.44		\$1,278.44
						2,340.40		5,015.15
								732.24
		60.28	28.84			38.83		140.11
196.97						2,263.36	\$81.90	3,905.53
363.13		135.11	73.87			9.58	11.77	1,054.50
						187.32	106.34	1,188.55
\$860.88		\$486.14	\$1,378.88			\$6,117.93	\$200.01	\$13,314.52
								\$129.32
\$100.63	\$132.50	\$193.13	\$173.87	\$4,679.76		\$2,286.31		3,557.63
								7,612.44
\$100.63	\$132.50	\$193.13	\$173.87	\$4,679.76		\$2,286.31		\$11,299.39
		\$626.45	\$1,388.51			\$603.35	\$201.80	\$18,711.41
							1,704.18	4,322.49
\$1,940.23	\$3,740.07		26.18	\$1,462.04	\$28.49	891.22	2,271.13	28.49
								10,989.83
\$1,940.23	\$3,740.07	\$626.45	\$1,414.69	\$1,462.04	\$28.49	\$1,494.57	\$4,177.11	\$34,052.22
\$209.00	\$82.00		\$2,299.54	\$2,293.75		\$458.35		\$6,184.23
6,522.38	362.00		30.00	27.50	\$30.00	1,766.17	\$6,818.42	41,604.42
						461.60		461.60
						51.29		132.69
						142.28		565.73
			1.88		35.00			397.33
					6,090.00			6,090.00
								139.77
\$6,731.38	\$444.00		\$2,331.42	\$2,321.25	\$6,155.00	\$2,879.69	\$6,818.42	\$55,575.77
\$50,861.18	\$18,424.49	\$15,810.98	\$17,293.06	\$13,215.59	\$6,489.05	\$53,074.43	\$35,683.45	\$450,476.11
	\$1,148.95							\$20,012.61
	\$280.00		\$144.10					\$38,013.77
\$50,861.18	\$19,853.44	\$15,810.98	\$17,437.16	\$13,215.59	\$6,489.05	\$53,074.43	\$35,683.45	\$508,502.49

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE No. 9—GENERAL ADMINISTRATION.
(Statement No. 1.)

	EXECUTIVE OFFICES			Audit and Accounts	Purchase and Storage of Supplies	Total for 1915	Increase or Decrease as Compared with 1914	
	Office of the Commission	Office of Superintendent	Office of Engineer					
OPERATION.								
Personal Service—								
Secretarial.....	\$3,000.00					\$3,000.00	\$600.00	
Superintendence.....		\$4,000.00				4,000.00		
Engineering.....			\$8,050.00			8,050.00		
Audit and Accounts.....				\$6,510.00		6,510.00	2,340.00 Dec.	
Stenographic and Typewriting.....	2,100.00		1,050.00			3,150.00		
Operating Telephone.....	720.00					720.00	120.00	
Others Not Classified.....	965.00	1,130.00	372.50	395.00	\$2,575.25	5,437.75	395.12	
Total, Personal Service.....	\$6,785.00	\$5,130.00	\$9,472.50	\$6,905.00	\$2,575.25	\$30,867.75	\$1,224.88 Dec.	
Other Than Personal Service—								
Supplies—								
Office.....	\$700.56	\$1.45	\$24.43	\$5.80		\$732.24	\$134.60	
General Plant.....		12.20		.40	\$0.13	12.73	86.67 Dec.	
Communication—								
Telephone Service.....	169.85	89.84	31.24	38.85		329.78	51.82 Dec.	
Telegraph Service.....								
Transportation—								
Carfare.....	35.75	2.60	1.45			39.80	2.00	
Traveling Expenses.....							26.37 Dec.	
Express and Deliveries.....		.28				.28	.03	
General Plant Service—								
Contingencies.....	276.39	82.10			1.68	360.17	38.85 Dec.	
Total, Other Than Personal Service.....	\$1,182.55	\$188.47	\$57.12	\$45.05	\$1.81	\$1,475.00	\$67.08 Dec.	
Total, Operation.....	\$7,967.55	\$5,318.47	\$9,529.62	\$6,950.05	\$2,577.06	\$32,342.75	\$1,291.96	
MAINTENANCE.								
Office Equipment—								
Replacements.....	\$118.70	\$1.25	\$13.10	\$0.17		\$133.22	\$33.83 Dec.	
Repairs—Departmental.....	3.50	373.29	56.25			433.04	82.89	
Contract or Open Order Service..	9.51	21.75				31.26	10.16	
General Plant Equipment—								
Replacements.....					4.81	4.81	4.81	
Repairs—Departmental.....					23.27	23.27	23.27	
Contract or Open Order Service..								
Total, Maintenance.....	\$131.71	\$396.29	\$69.35	\$0.17	\$28.08	\$625.60	\$87.30	
Automobile Service (Statement No. 2).....	\$10,179.06					\$10,179.06	\$3,541.86	
Total, General Administration.....	\$10,179.06	\$8,099.26	\$5,714.76	\$9,598.97	\$6,950.22	\$43,147.41	\$2,337.20	

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE 9A.

General Administration—Automobile Service.

(Statement No. 2.)

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Operation—			
Personal Service.....	\$3,464.00	\$892.14	.....
Supplies—			
Cleaning.....	4.14	.....	\$2.15
Gasolene.....	865.05	107.34	.....
Lubricants.....	168.10	14.72	.....
Other.....	.....	.....	.....
Contract or Open Order Service—			
Storage and Cleaning.....	.....	.....	.....
Hire.....	.....	.....	.....
Total Operation.....	\$4,501.29	\$1,014.20	\$2.15
Maintenance—			
Automobiles—Purchase of.....	\$2,204.00	\$1,209.00	.....
Tires and Inner Tubes—			
Replacements.....	1,243.50	168.54	.....
Repairs—Departmental.....	24.48	8.61	.....
Contract or Open Order Service.....	15.37	2.32	.....
Body and Top—			
Replacements.....	.....	.....	.....
Repairs—Departmental.....	702.11	417.19	.....
Contract or Open Order Service.....	36.50	27.85	.....
Chassis and Engine—			
Replacements.....	.....	.....	.....
Repairs—Departmental.....	989.51	543.70	.....
Contract or Open Order Service.....	267.98	102.13	.....
Appurtenances—			
Replacements.....	110.13	.....	\$21.56
Repairs—Departmental.....	73.94	65.88	.....
Contract or Open Order Service.....	10.25	6.15	.....
Total Maintenance.....	\$5,677.77	\$2,551.37	\$21.56
Total Automobile Service.....	\$10,179.06	\$3,541.86	.....

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE No. 10.

Care of Land and Improvements. (Statement No. 3.)

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Supervision and General Expenses—			
Personal Service.....	\$35,722.93	.....	\$1,788.68
Transportation—Carfare.....	1.90	\$1.90	.....
Hire of Horses and Vehicles with Drivers....	182.13	100.93	.....
General Plant Equipment and Supplies.....	5.34	.....	83.40
Communication.....	84.37	.....	8.94
Total, Supervision and General Expenses.....	\$35,996.67	\$102.83	\$1,881.02
Care of Roads, Paths and Driveways—			
Cleaning, Oiling and General Care.....	\$12,824.03	.....	\$12,353.36
Snow Removal.....	4,630.20	.....	5,011.84
Repairs to Roads and Driveways.....	72,061.29	\$785.23	.....
Repairs to Paths and Walks.....	8,648.92	.....	6,509.69
Total, Care of Roads, Paths and Driveways.....	\$98,164.44	\$785.23	\$23,874.89
Care of Trees, Shrubs, Flowers and Lawns—			
Undistributed—Head Gardener, etc.....	\$1,800.00	.....	\$380.00
Care of Trees and Shrubs.....	8,205.04	.....	140.84
Care of Flowers and Plants.....	4,726.06	\$1,759.70	.....
Care of Lawns.....	46,029.73	2,644.15	.....
Total, Care of Trees, Shrubs, Flowers and Lawns.....	\$60,760.83	\$4,403.85	\$520.84
Care of Beaches, Lakes and Shore Lines—			
Labor, Supplies and Material.....	\$1,176.42	\$1,088.92	.....
Hire of Horses and Vehicles with Drivers....	504.75	465.75	.....
Educational and Recreational Equipment—			
Replacements.....	37.53	37.53	.....
Repairs—Departmental.....	52.87	52.87	.....
Contract or Open Order Service....	.....	.....	.....
Total, Care of Beaches, Lakes and Shore Lines.....	\$1,771.57	\$1,645.07	.....
Care of Trees in City Streets— Spraying, Pruning and General Care—			
Personal Service.....	\$15,202.24	\$826.73	.....
Supplies and Materials.....	595.88	93.74	.....
Hire of Horses and Vehicles with Drivers	2,799.50	524.25	.....
Carfare.....	49.00	24.75	.....
Total, Care of Trees in City Streets..	\$18,646.62	\$1,469.47	.....
Total, Care of Land and Improvements.....	\$215,340.13	\$8,406.45	\$26,276.75

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE No. 11.

Operation and Maintenance of Playgrounds and Athletic Fields.

(Statement No. 4.)

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Attendance and Special Expenses—			
Personal Service.....	\$6,346.79	\$3,195.56	.....
Carfare.....			.....
Telephone Service.....			.....
Supplies—Office.....	4.75	2.95	.....
Medical and Surgical.....			.....
Educational and Recreational.....			.....
Educational and Recreational Equipment—			
Replacements, Department Labor and Ma- terial.....	3,227.27	2,892.70	.....
Repairs—Departmental.....	1,005.42		\$2,943.78
Contract or Open Order Service...	17.25	13.25	.....
Total, Attendance and Special Ex- penses.....	\$10,601.48	\$6,104.46	\$2,943.78
Care of Lawns—Golf Links—			
Labor, Supplies, etc.....	\$30,246.55	\$7,320.22	.....
Care of Special Grounds—			
Cleaning and General Care.....	\$2,765.55		\$2,585.96
Repairs.....	5,475.57		2,137.36
Total, Care of Special Grounds.....	\$8,241.12		\$4,723.32
Care of Lakes—Skating.....	\$1,772.03		\$171.36
Total, Operation and Maintenance of Playgrounds and Athletic Fields.	\$50,861.18	\$13,424.68	\$7,838.46

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE No. 12.

Maintenance of General Park Improvements and Properties.

(Statement No. 5.)

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Monuments (Restoring and General Care)—			
Labor, Supplies and Materials.....			\$27.00
Contract or Open Order Service.....		
Total, Monuments.....			\$27.00

TABLE No. 12—Continued.

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Bridges and Tunnels—			
Repairs—Departmental.....	\$760.90	\$90.78	.....
Contract or Open Order Service...	.....	.....	.....
Total, Bridges and Tunnels.....	\$760.90	\$90.78	.....
Railings, Fences and Walls—			
Replacements.....	.....	.....	.....
Repairs—Departmental.....	\$8,596.54	\$3,824.81	.....
Contract or Open Order Service...	100.75	100.75	.....
Total, Railings, Fences and Walls....	\$8,697.29	\$3,925.56	.....
Display Fountains—			
Repairs—Departmental.....	.....	.....	.....
Contract or Open Order Service...	.....	.....	.....
Total, Display Fountains.....	.....	.....	.....
Drinking Fountains—			
Replacements.....	.....	.....	.....
Repairs—Departmental.....	\$1,123.14	.....	\$1,050.41
Contract or Open Order Service...	.....	.....	29.55
Total, Drinking Fountains.....	\$1,123.14	.....	\$1,079.96
Basins and Sewers—			
Cleaning.....	\$1,443.51	\$354.33	.....
Replacements.....	.....	.....	.....
Repairs—Departmental.....	1,154.04	127.71	.....
Contract or Open Order Service...	.....	.....	.....
Total, Basins and Sewers.....	\$2,597.55	\$482.04	.....
Chairs and Settees—			
Replacements.....	.....	.....	.....
Repairs—Departmental.....	\$1,887.38	.....	\$1,727.76
Contract or Open Order Service...	.....	.....	.....
Total, Chairs and Settees.....	\$1,887.38	.....	\$1,727.76
Signs—			
Replacements.....	.....	.....	\$32.50
Repairs—Departmental.....	\$3,017.55	.....	\$770.89
Contract or Open Order Service...	.....	.....	.....
Total, Signs.....	\$3,017.55	.....	\$803.39
Other Park Properties—			
Replacements.....	.....	.....	.....
Repairs—Departmental.....	\$1,407.63	\$1,036.91	.....
Contract or Open Order Service...	82.00	.....	\$470.00
Total, Other Park Properties.....	\$1,489.63	\$1,036.91	\$470.00
Total, Maintenance of General Park Improvements and Properties....	\$19,573.44	\$5,535.29	\$4,108.11

MUSIC AND CELEBRATIONS—TABLE No. 17.

	MCCOMB'S DAM PARK			VAN CORTLANDT PARK			BRONX PARK			CROTONA PARK			CLAREMONT PARK			PELHAM BAY PARK			SAINT JAMES' PARK			SAINT MARY'S PARK		
	Number of Concerts	Amount	Attend- ance	Number of Concerts	Amount	Attend- ance	Number of Concerts	Amount Amount	Attend- ance	Number of Concerts	Amount	Attend- ance	Number of Concerts	Amount	Attend- ance	Number of Concerts	Amount	Attend- ance	Number of Concerts	Amount	Attend- ance	Number of Concerts	Amount Amount	Attend- ance
BANDMASTERS—																								
G. Pagano & Son.....																8	\$680.00	270,000						
Krieger's Concert Band.....													9	\$760.00	24,300									
August Stover.....										1	\$85.00	1,000												
Frank Martin.....																			9	\$765.00	14,400			
Alfred H. Conklin.....										4	335.00	4,000												
Frederick Watson.....																						9	\$765.00	36,000
William E. J. Keating.....							8	\$680.00	10,800	2	170.00	2,000												
Jim Pierce.....	8	\$680.00	10,200	1	\$85.00	5,000																		
Tom Clark.....				9	765.00	45,000																		
Andrew Bickhardt.....										1	150.00	2,000												
Joseph Allison.....										2	170.00	4,000												
Total.....	8	\$680.00	10,200	10	\$850.00	50,000	8	\$680.00	10,800	10	\$910.00	13,000	9	\$760.00	24,300	8	\$680.00	270,000	9	\$765.00	14,400	9	\$765.00	36,000

Number of Concerts, 71

Amount, \$6,090.00

Attendance, 428,700

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE No. 13.
Care of Departmental Buildings and Structures.
(Statement No. 6.)

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Bath Houses and Comfort Stations—			
Operation—			
Personal Service.....	\$11,210.88	.....	\$1,836.96
Supplies—Fuel.....	290.75	\$24.75	.....
Cleaning and Disinfecting.....	60.28	10.35	.....
Medical and Surgical.....	135.11	.80	.....
General Plant.....	.....	.....	.....
Total, Operation.....	\$11,697.02	\$35.90	\$1,836.96
Maintenance—			
General Plant Equipment—			
Replacements.....	\$193.13	.....	\$88.09
Repairs—Departmental.....	.....	.....	.....
Contract or Open Order Service.....	.....	.....	.....
Plumbing Repairs—			
Departmental.....	\$953.39	.....	1,622.97
Contract or Open Order Service.....	.....	.....	8.25
Other Repairs and Charges—			
Departmental.....	2,967.44	.....	4,477.49
Contract or Open Order Service.....	.....	.....	.....
Total, Maintenance.....	\$4,113.96	.....	\$6,196.80
Total, Bath Houses and Comfort Stations.....	\$15,810.98	\$35.90	\$8,033.76
Buildings and Structures Not Otherwise Classi- fied—			
Operation—			
Personal Service.....	\$6,225.82	.....	\$1,797.11
Supplies—	.....	.....	.....
Fuel.....	1,273.91	.....	178.91
Cleaning and Disinfecting.....	27.62	.....	9.88
General Plant.....	77.35	\$24.54	.....
Total, Operation.....	\$7,604.70	\$24.54	\$1,985.90
Maintenance—			
General Plant Equipment—			
Replacements.....	\$192.17	\$24.97	.....
Repairs—Departmental.....	.....	.....	.....
Contract or Open Order Service.....	.....	.....	.....
Plumbing Repairs—			
Departmental.....	1,010.45	20.07	.....
Contract or Open Order Service.....	.....	.....	.....
Other Building Repairs—			
Departmental.....	6,184.32	752.39	.....
Contract or Open Order Service.....	2,301.42	2,219.72	.....
Total, Maintenance.....	\$9,688.36	\$3,017.15	.....
Total, Buildings and Structures not Otherwise Classified.....	\$17,293.06	\$3,041.69	\$1,985.90
Total, Care of Departmental Build- ings and Structures.....	\$33,104.04	\$3,077.59	\$10,019.66

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE No. 14.

Maintenance of General Park Equipment.
(Statement No. 7.)

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Highway Equipment—			
Water, Oil and Asphalt Wagons—			
Replacements.....			
Repairs—Departmental.....	\$141.69		\$621.24
Contract or Open Order Service...			
Road Rollers and Road Harrows—			
Replacements.....	60.00	\$35.00	
Repairs—Departmental.....	2,094.12	1,294.64	
Contract or Open Order Service...	52.00	3.00	
Snow Plows—			
Replacements.....	475.25	448.64	
Repairs—Departmental.....	205.02	83.93	
Contract or Open Order Service...			
Other Highway Equipment—			
Replacements.....	163.16		69.53
Repairs—Departmental.....	49.69		19.52
Contract or Open Order Service...			
Total, Highway Equipment.....	\$3,240.93	\$1,865.21	\$710.29
Botanical and Agricultural Equipment—			
Garden Tools and Implements—			
Replacements.....	\$184.19		\$15.09
Repairs—Departmental.....	226.23		403.43
Contract or Open Order Service...			
Lawn Mowers and Grass Cutters—			
Replacements.....	2,822.78	\$2,721.20	
Repairs—Departmental.....	276.33		13.66
Contract or Open Order Service...	2,251.50	17.50	
Spraying Equipment—			
Replacements.....	20.50		29.10
Repairs—Departmental.....	118.56	45.07	
Contract or Open Order Service...			
Pruning Equipment—			
Replacements.....	29.47	13.32	
Repairs—Departmental.....	704.00	509.84	
Contract or Open Order Service...			
Total, Botanical and Agricultural Equipment.....	\$6,633.56	\$3,306.93	\$461.28
General Equipment—			
Wheelbarrows and Handcarts—			
Replacements.....	\$5.34		\$64.08
Repairs—Departmental.....	133.75		120.08
Contract or Open Order Service...			
Other General Equipment—			
Replacements.....	924.07	\$288.93	
Repairs—Departmental.....	2,265.19	1,649.83	
Contract or Open Order Service...	12.75	7.50	
Total, General Equipment.....	\$3,341.10	\$1,946.26	\$184.16
Total, Maintenance of General Park Equipment.....	\$13,215.59	\$7,118.40	\$1,355.73

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE No. 15.

Miscellaneous Expenses.

(Statement No. 8.)

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Music and Celebrations—			
Personal Service.....	\$47.56	\$47.56	.....
Hire of Horses and Vehicles with Drivers.....	5.00	5.00	.....
General Plant Service—			
Music.....	6,090.00	740.00	.....
Lighting.....	35.00	33.00	.....
Construction and Removal of Stands—			
Departmental.....	294.98	.....	\$20.75
Contract or Open Order Service.....	.....	.....	.....
Repairs to Stands—			
Departmental.....	16.51	.....	414.87
Contract or Open Order Service.....	.....	.....	.....
Total Music and Celebrations.....	\$6,489.05	\$825.56	\$435.62
Educational and Operative Activities—Green- house, Nursery, Stables and Shops (Over- head)—			
Operation—			
Personal Service.....	\$31,255.87	.....	\$12,533.22
Supplies—			
Fuel.....	2,340.40	.....	19.88
Cleaning and Disinfecting.....	38.83	\$11.04	.....
Forage.....	3,100.44	689.82	.....
Botanical and Agricultural.....	2,263.36	521.72	.....
Veterinary.....	2.50	.....	17.50
Medical and Surgical.....	9.80	1.94	.....
General Plant.....	187.10	100.71	.....
Veterinary Service.....	25.50	2.50	.....
Carfare.....	51.29	.....	42.91
Telephone Service.....	142.28	.....	8.94
Shoeing—			
Departmental.....	.....	.....	.....
Contract or Open Order Service.....	444.60	.....	351.78
Hire of Horses and Vehicles with Drivers....	1,761.25	.....	759.37
Total, Operation.....	\$41,623.22	\$1,327.73	\$13,733.60
Maintenance—			
Purchase of Live Stock.....	.....	.....	.....
Carriages and Buggies—			
New.....	.....	.....	.....
Repairs—Departmental.....	\$82.07	.....	\$394.77
Contract or Open Order Service.....	.....	.....	5.50
Carts and Wagons—			
New.....	400.00	\$400.00	.....
Repairs—Departmental.....	2,362.95	1,129.25	.....
Contract or Open Order Service.....	20.75	20.75	.....

TABLE No. 15—Continued.

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
General Plant Equipment—			
New.....	1,886.31	820.50	.....
Repairs—Departmental.....	2,626.09	68.03	.....
Contract or Open Order Service.....	32.60	30.60	.....
Building Repairs—			
Departmental.....	3,635.44	.....	5,007.81
Contract or Open Order Service.....	405.00	229.75	.....
Total, Maintenance.....	\$11,451.21	\$2,698.88	\$5,408.08
Total, Educational and Operative Activities.....	\$53,074.43	\$4,026.61	\$19,141.68
Total, Miscellaneous Expenses.....	\$59,563.48	\$4,852.17	\$19,577.30

DEPARTMENT OF PARKS—BOROUGH OF THE BRONX.

Summary of Expenses for Year Ended December 31, 1915, on Basis of Cost by Functions.

TABLE No. 16.

Additions and Improvements and Miscellaneous Expenses.
(Statement No. 9.)

	Total for 1915	Increase or Decrease as Compared with 1914	
		Increase	Decrease
Departmental Labor, Materials, etc.—			
New Roads and Walks—			
New Roads.....	1,672.23	.....	.....
New Walks.....	8,265.87	.....	.....
Trees, Shrubs, Flowers and Lawns—			
New Lawns.....	1,070.14	.....	.....
Playgrounds and Athletic Fields—			
New Tennis Courts.....	13,273.02	.....	.....
New Ball Backstops.....	1,753.25	.....	.....
Improvement and Properties—			
New Drain.....	382.99	.....	.....
New Water Main.....	452.35	.....	.....
Additions to Operative Activities—			
Addition to Shops.....	4,813.28	.....	.....
Additions at Stables.....	913.38	.....	.....
Building Dry Wall.....	854.00	.....	.....
Fitting Up New Storerooms.....	27.90	.....	.....
Total, Additions and Improvements..	\$33,478.41	\$33,478.41	.....
Miscellaneous Expenses.....	\$2,205.04	.....	\$13,122.45
Total, Additions and Improvements and Miscellaneous Expenses.....	\$35,683.45	\$33,478.41	\$13,122.45

April 15, 1916.

TO THE HONORABLE JOHN PURROY MITCHEL,

Mayor of the City of New York.

SIR:—There is herewith submitted the annual report of the Department of Parks of the Borough of Queens for the year ending December 31, 1915.

In the report of this Department for the year of 1914, promises were made that economies shown to have been made in that year would be increased in the year of 1915 and that revenues from neglected sources would be further increased. Both these promises have been kept. Revenues have been materially increased and the cost of administration has been decreased. There has been an extension of the service of this Department to the public. In stating that the promises of 1914 have been redeemed, your Commissioner believes it is well now to state that further economies in the year of 1916 will be shown in the decrease of administrative expense and that there will be an increase in the service to the public.

In the year of 1914 the overhead expenditures in the Department were \$29,063.45. In 1915 the expenditures for overhead charges were \$24,920.75. In 1914 there was allowed for supplies, etc., \$56,536.79. In 1915 there was allowed the sum of \$31,518.27, showing a net saving of \$25,018.52 in supplies, etc.

In the matter of revenues from neglected sources, in the year of 1913 there was received by this Department from all sources the sum of \$70.23. In 1914 this Department received \$1,348.50. In the year of 1915 the revenues from all sources amounted to \$9,016.05. This revenue was received from the following sources, as here set forth:

	1913	1914	1915
Rents.....	\$10.00	\$60.00	.....
Permits, Golf.....	.....	1,102.50	\$4,190.50
Privileges.....	.....	160.00	390.00
Firewood Sale.....	.....	.....	3,245.55
Tree Sales.....	.....	.....	1,090.00
Miscellaneous.....	60.23	26.00	100.00
	\$70.23	\$1,348.50	\$9,016.05

In the year of 1915 it was planned to place in Forest Park a trestle for the use of freight cars connecting it with the B. R. T. tracks in Myrtle Avenue. Estimates of this trestle called for an expenditure of close to eighteen thousand dollars. There was lying through the woods a great number of dead trees that had been removed for various reasons. A saw for the purpose of ripping this wood into timbers and planks was purchased at a cost of \$362.70, and an estimate made of the timber to be thus obtained.

Logs that were of no value were cut into firewood. Others of smaller size were cut into timbers. Department labor did this and the trestle for the most part was built by Department labor of this material. There was made a saving of \$8,000 under the estimate of engineers and contractors largely through the use of these timbers.

On the coal delivered on the trestle alone in the course of a year, the Department will save more than \$400, or enough to pay for the interest on the corporate stock issued for its building. The difference in the cost of road building material and supplies generally will effect a saving which will take care of the corporate stock as it is retired.

The building of the trestle means a saving each year which can be computed only when prices paid for road oil, coal, road material, building material, fertilizer and other articles are compared year by year before and after its building. The Department now has its own coal pockets where its supply of coal for almost a year may be stored. Because of this, the Department is not worried about a coal shortage up to January, 1917.

In the matter of revenue there was no charge for lockers in the golf house until 1914. Then a charge of \$5 was made. A half dozen players used a locker, entailing much work and supervision on the part of those at the golf house in preventing property loss. A charge was made in 1915 of \$5 for a locker used by one person, \$7.50 where a locker was used by two persons, and \$10 where it was used by three, and the use of a locker by more than three persons was forbidden.

In 1915 there was a charge of \$1 made for a season permit to play golf and a charge of fifty cents for a single daily permit. It was found that this nominal charge met with the approval of the golfers, that those who were willing to pay the small charge were more careful of the turf and the players took a personal interest in the links. There was collected from golf a total of \$4,190.50 as against \$1,102.00 in the year of 1914, and as against nothing in 1913.

Up to the year of 1914 and for a part of that year the practice had been to set out trees in the streets free of charge. The City had purchased these trees and had cared for them until they were large enough for transplanting. It then set them out, usually along some new section, generally in the hands of the developers.

This abuse was stopped and a charge of \$5 was made for furnishing and setting out a tree. In the year of 1915 there was received from the sale of trees to be placed in city streets \$1,090.

A source of revenue in 1914 was the sale of firewood to the Board of Education. The entry for that revenue was made when it was received in 1915. The sale of firewood was continued and increased in 1915.

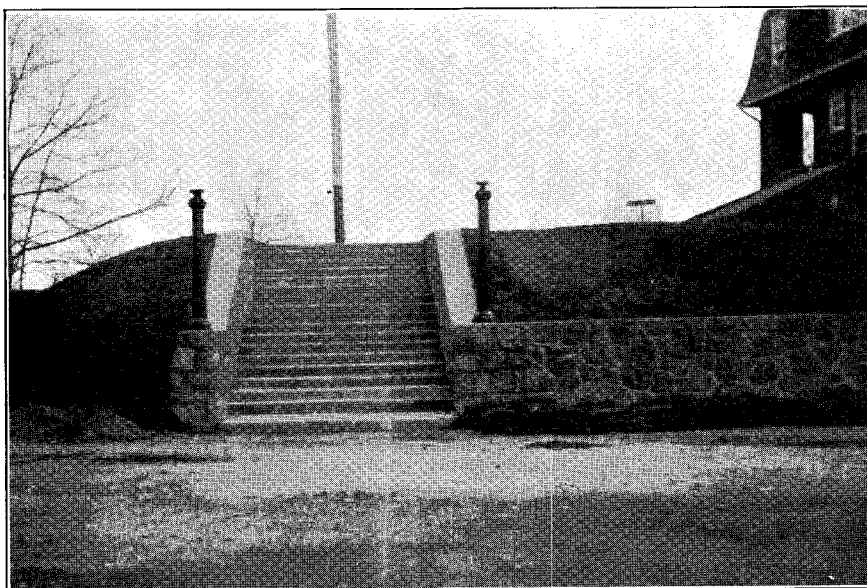
In the matter of supplies, your Commissioner feels there can be no further reduction without a curtailment of service to the public.

In the requests from time to time there has been set forth the need of comfort facilities in the parks of Queens. Conditions have bettered but the need is great in practically every park, with the exception of one in Jamaica.

There is a need of playgrounds. The departmental appropriation for playgrounds has been small, allowing for only one play leader. The Department has met this situation as best it could through cooperation with the Parks and Playgrounds Association. It has laid out twelve new tennis courts. Four playgrounds have been established, playground apparatus



Unfinished Golf House Approach.



Golf House Steps as Completed.

built, and men provided to look after the safety of the children. All told, in recreational facilities the Department has expended the past year \$19,906.50.

There has been some criticism of the failure of the Department to provide additional playgrounds for small children along Ashland Avenue in Forest Park, but plans made for these playgrounds cannot be put into effect until the golf links in Forest Park, now in course of construction, have been completed and the present golf holes moved, thus releasing about twenty acres for playgrounds. It is hoped to accomplish this in the year of 1916.

The year of 1916 should see additional transit facilities in Queens Borough which will bring the parks in this growing section of the City in closer touch with congested districts and cause them to be recreational centers for thousands who now are unable to reach them. In the matter of park work and park needs it is well to take up the various parks separately.

FOREST PARK.

Some definite plan which should have the cooperation of the Board of Estimate and Apportionment should be adopted for the development of Forest Park. At the beginning of the present administration it was a jungle. Much has been done with it to open it for the enjoyment of the public. Its one driveway is subjected to the heaviest of travel, it being the natural link and the only asphalt road connecting a part of Brooklyn and Queens. This road, built for carriages, is serpentine shaped and narrow. It should be widened and straightened. For the development of the park a sum should be appropriated every year, so that in time there will be paths, additional drives, comfort stations and spacious lawns. At the same time, care should be taken that the wild undergrowth in the park is not destroyed and its natural beauty marred.

It is a mistake to assume that the money appropriated for Forest Park is for the benefit of the people of Queens alone. Fully fifty per cent. of the visitors are from Brooklyn, and it is a picnic ground for churches and societies in every borough. Scarcely one automobile in ten that travels its roadway is from Queens. The use of the park and its driveway by the people of the whole City makes its development a matter of more than local interest.

Of greater interest than the driveway to the people of Queens are the foot paths. With corporate stock issued in the sum of \$5,000, a start will be made at a path system in 1916, but the amount is inadequate and should be supplemented from year to year. With increased transit facilities the park, within the next few years, will be the mecca of thousands who have no way of reaching it at present. It will then take its place as a center of recreation with Prospect and Central Parks. Preparation should not be delayed. As far as the sources at hand will permit, with this situation to meet in the near future, improvements are being made.

In 1911 there was appropriated \$100,000 for paths and roads. The money was expended previous to the present administration and appears to have been spent without any definite plan in view.

The comfort stations for Forest Park are badly needed. There are facilities at the golf house at one end of the park. In the greenhouses was one dilapidated toilet for the use of the employees. Three have been placed in its stead and one of these set aside for women and children. The placing of water mains through the park and the erection of comfort stations should not be delayed.

Forest Park in the summer months is the resort for many picnic parties. Save in few instances, there is no water for the thousands. It is delivered to the picnic grounds in barrels. The establishment of bubble fountains is recommended.

With a moderate expenditure from year to year for roads and paths, comfort stations, bubble fountains and additional area for playgrounds and recreation, the real needs of the situation in so far as the public comfort, health and pleasure are concerned will be met.

The main driveway in the park has been lighted for the entire distance of two miles. Lights have been placed in the greenhouses and shops. Plans have been prepared and low land about the shops will be drained of water which, after every hard rain, makes the ground about them a lake.

A garage with accommodations for the auto equipment of the Department has been finished by Department labor. It has been turned over to the Department of Bridges for use as a part of the central garage. Sheds for the storage of other equipment are badly needed.

Through the park there have been placed a hundred and twenty-five stationary rustic benches, made from material cut from the woods and each year will see this number added to as material becomes available and labor is provided.

The flower shows that were a marked success in 1914 were continued in 1915 and an innovation was a show of poinsettias held at Christmas time.

The policy of avoiding a lavish expenditure for plants and shrubs, decided upon in 1914, has been adhered to in 1915. Perennials and hardy specimens of flowering plants and shrubs have been cultivated, thus lessening the amount paid for bulbs. The money thus saved can be put to better use saving the trees of the Borough, without detracting from the floral displays in the park beds and greenhouses. The midwinter show held at Christmas time in the greenhouses was from cuttings propagated by the Department.

There was spent in Forest Park the past year \$32,942.89. Improvements made included an addition to the office building, laying 5,100 linear feet of water pipe through the golf course, a new entrance to the golf house, a new greenhouse, with additional heating plant, and the laying out of new flower beds and lawns.

HIGHLAND PARK.

Additional area has been added to Highland Park the past year by the Department of Water Supply, Gas and Electricity turning over to it, through

the Sinking Fund, a part of the property under the jurisdiction of the latter department which adjoins the park.

Part of the park is now occupied by an oval-shaped reservoir, long since discontinued and at one time in the boundary of Kings and again in the boundary of Queens. Lately it has been decided that this oval is a part of the Queens division of Highland Park.

This reservoir covers approximately four acres of land. At a low estimate of value this land to-day is \$25,000 an acre.

The old reservoir walls, composed of stone and clay, contain approximately 33,000 cubic yards. The utilization of this material for park purposes would give the Department a sufficient amount of fill at a very low price, to grade up any low portions of Highland Park that now are unsightly. An expenditure of ten or fifteen thousand dollars to remove this ugly reservoir and release for park purposes ground worth \$100,000, would recommend itself as a good business proposition, if there were no other consideration involved. It would do away with a pond of rain water which settles back of the present comfort station and at times flows into the cesspool. Despite all efforts, children will use this as a wading pond. While the Department has disinfected it many times, there is always danger of infection.

The old reservoir referred to has, from time to time, been the source of complaints on the part of residents of the neighborhood, it being the rendezvous of characters needing the attention of the police.

A new comfort station is necessary in this park. The one at present is not connected with the sewer. Plans have been prepared for this connection. It is a work which should be undertaken at the earliest possible date that funds are available. Conditions as to this comfort station have been improved, but any improvement that does not include a sewer connection must be considered only temporary. It will not abate a nuisance that has existed there, from time to time, through the administrations of several Park Commissioners of Brooklyn and Queens.

There was spent in the maintenance, construction and operation of Highland Park the past year \$8,586.67, an increase over the previous year of \$885.95.

KISSENA LAKE PARK.

Kissena Lake Park has been greatly improved within the past year. An area of swamp adjoining the lake was dredged in the latter part of 1914 and the early part of 1915. A stone bridge has been constructed across the connecting canal of the two lakes. Rustic pergolas have been built along its shore, a wading pool is under course of construction and a playground has been laid out and equipped.

Eight tennis courts, second to none in the country, have been built. They were opened on Memorial Day. These courts were built by Department labor, and the greater part of the material came from the junk heap of the Dock Department. Iron pipe too leaky to hold water, but still good



Old Condition of Lakes in Kissena Park.



Stone Bridge over Lakes in Kissena Park.

for posts, provided the fencing. Set in concrete and protected from the weather by paint, these courts should outlast the players of to-day.

Water has been placed through the park, providing for its use by the public and in the nurseries. Lights are badly needed and comfort stations other than the temporary buildings now in use should be provided.

Within the year more than an acre of swamp has been filled in, graded and made into a lawn. This work of filling in and draining Kissena Lake Park will have to continue for years before all the swamp is converted into lawns. A few years, however, have resulted in this old ice pond and part of a nursery being converted into a garden spot, with recreational facilities for thousands. Where two years ago few persons ever sought enjoyment, now thousands are present. Practically devoid of transit facilities to reach it, an ice carnival, held at night, had an attendance of more than 4,000 persons. As to the needed lights, four have been installed and the promise of more has been made for 1916. In the past year there was spent \$13,320.97. This is an increase of more than \$2,500 over 1914 and for it the Department has obtained rustic work to the value of many thousands of dollars, done by park labor, and with material cut in the woods of Forest and Kissena Lake Park, the eight additional tennis courts, and playgrounds.

KINGS PARK.

Kings Park, in Jamaica, lacks little to make it a finished park. It has been graded and lawns laid out. A comfort station has been overhauled and made sanitary. Additional trees will be set out in the spring of 1916 and it is hoped additional lights will be obtained. A band stand was built the past year at a cost of \$2,040. The King Mansion is in need of paint, as is the iron fence enclosing the eleven acre plot. Taken as a whole, however, King Park may be cited as one of the few practically developed parks in the borough. There was expended upon this park in 1915 \$7,348.54, an increase of about \$2,000 over the previous year, due to the grading and making of lawns.

RAINEY PARK.

Rainey Park, on the East River, opposite Blackwells Island, is being developed as rapidly as funds available will permit. At the time of your Commissioner's appointment, a sea wall had been built and a galvanized iron and wire fence placed on top of it for the protection of the public. The plans of the landscape architect provided for a broad path through the center of the park. This had been started but because it had been found that it would be necessary to blast to reach grade, as there was solid rock under the few feet of dirt, it was abandoned. Gradually the earth excavated is being replaced.

This, however, has not prevented the park from being developed along other lines. Tennis and basketball courts have been laid out and a baseball diamond is being built as rapidly as fill can be obtained, at reasonable prices.

A playground has been built. At the close of the playground season, in 1915, thirty-five hundred children took part in the exercises. The Parks and Playgrounds Association has provided play leaders here. Your Commissioner has endeavored to have the Sinking Fund Commission trade a small parcel of land it has elsewhere for a plot of three acres adjoining Rainey Park to the north. If this can be brought about, it will be a great boon to the people of the section and provide a breathing space for additional thousands. Because of the congested section, the park will always be a large playground, with its slope along the river front, a place for rest, in the cooling breezes from the river, for families.

The present retaining wall is not built to the bulkhead line, being many feet inside of it. At some future time the City should appropriate the money to do this, especially if the plot adjoining the present park is acquired either through exchange or purchase. This would give a broad promenade for several hundred feet over the water, adding an invaluable acreage to this waterfront park and providing for the future in a neighborhood now greatly crowded.

ASTORIA PARK.

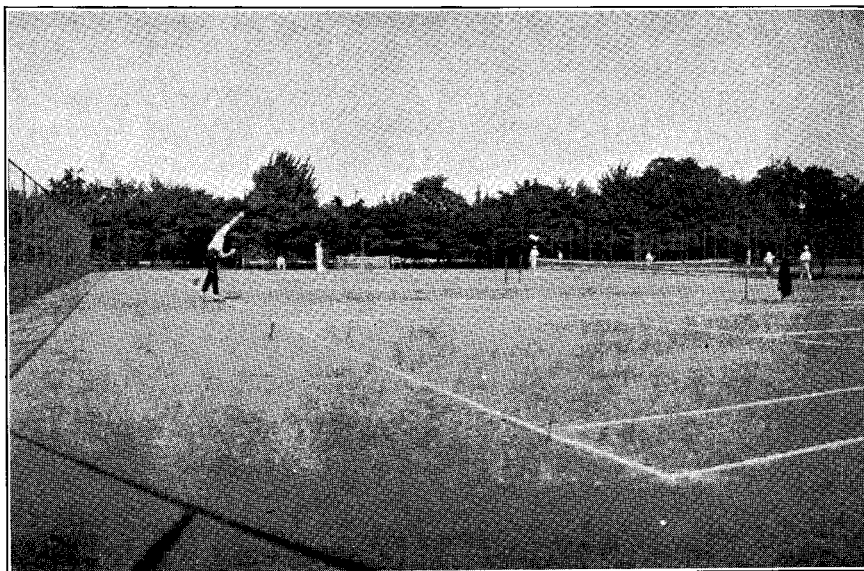
Astoria Park, with its acreage along the East River, is an undeveloped field. It is the resort of thousands from Manhattan who swim in the waters it borders and crowd the grass plots on Sundays. At present it is park property, but looked upon as No Man's Land, where even the State Excise Law does not obtain. Its development into a river park will take time and money. When completed, this park will afford a place of recreation for thousands, not only in Queens, but in Manhattan. A comfort station should be built as soon as possible.

JACOB RIIS PARK.

The year at Jacob Riis Park has seen the construction of additional timber jetties to prevent the erosion of the beach. The first of these jetties, constructed in 1914, were damaged through failure to construct bulkheads. They were repaired in 1915, and when additional jetties were built, a bulkhead was built and this backed up with sand. Since then the beach has been making steadily. Plans have been prepared and a request made for money to build additional jetties in 1916. The building of additional jetties should be continued along the full length of the ocean front. If this plan is followed out, I have no doubt that the total area of Jacob Riis Park will be increased beyond its area at the time of purchase by the City.

MUNICIPAL NURSERY.

The nursery laid out by the Department in the old Police Training Ground, now a part of Kissena Park, contains some twelve thousand trees. These Norway Maples, Sycamores and Planes were taken from the uncared nursery stock of Forest Park. In another year they will be large enough



Tennis Courts in Kissena Park, Flushing.



Tennis Courts, Richmond Hill, Forest Park.

to set out, either in parks or in the streets. These trees are of a size and variety for which nurserymen obtain from \$5 to \$8 apiece. The Department will continue the practice of setting them out and guaranteeing them for \$5 each.

BAISELEY'S LAKE PARK.

Baiseley's Lake Park, which was turned over to the Department in the latter part of 1914, by the Department of Water Supply, Gas and Electricity, is being developed gradually. A new bridge has been constructed, an old pump house remodelled into a tool house, banks have been graded, permanent benches set out and roads and paths made.

LEAVITT PARK.

Work of filling in Leavitt Park, in Flushing, has been continued. The year of 1916 will see a baseball diamond laid out and a running track constructed for the use of the athletic league of the high school near by. As additional fill is obtained and the place graded, tennis courts and playgrounds will be established.

SMALLER PARKS AND GORES.

Flushing, College Point, Linden and Upland Parks have been kept up to the standard of park requirements for the year and improvements made in walks and lawns. There was turned over to the Department the past year the old Burial Ground in Newtown.

BRIDGES.

The bridges of Forest Park over the two lines of the Long Island Railroad Company and the B. R. T. at Myrtle Avenue are sadly in need of repair. Money has been provided in the 1916 budget for the repair of Bridge No. 3. This will take care of the beams, upper and lower decking and walks. It will not, however, provide for the replacing of the iron rails.

These bridges have been examined by engineers, who pronounced the structural iron and piers in good condition. The woodwork and railings will have to be replaced; they have been repaired as often as possible. It will be necessary, within the coming year, to ask for an appropriation to do this work.

SIDEWALKS OUTSIDE OF PARKS.

The Sage Foundation Homes Company, adjoining Forest Park on the Union Turnpike, is planning to improve this street with curbing and sidewalks from Park Lane to Metropolitan Avenue. The City should keep abreast of this improvement by building sidewalks and curbs upon its property along this street.

Sidewalks should be laid along Myrtle Avenue, which bisects Forest Park, from a point near Woodhaven Avenue, Glendale, to Washington Avenue, Richmond Hill.

Sidewalks should also be laid along Rose Street, in Flushing, one of the boundaries of Kissena Park; around Linden Park, Corona; and Upland Park, Jamaica.

Reports of various bureaus are appended, along with the figures of expenditures for the year.

Very truly yours,

JOHN E. WEIER,

Commissioner of Parks, Borough of Queens.

FORESTRY BUREAU.

Trees on City Streets.

Trimmed and Pruned.....	10,509
Removed.....	554
Sprayed.....	6,497
Tarred.....	10,509
Cavities Filled.....	39
Bolted.....	1
Depressed.....	4
Planted.....	306

Inspections.

Inspections of Citizens' Complaints.....	3,748
Inspections, Corporations' Applications, Work Done on Approval and Supervised.....	661

Trees in Parks.

Trimmed and Pruned.....	2,180
Sprayed.....	784
Removed, New Golf Links and Forest Park.....	3,102
Stumps Pulled.....	2,396
Tarred.....	2,180
Planted.....	26

Trees in Nurseries.

Trees Cultivated.....	37,500
Trimmed and Pruned.....	18,935
Lifted and Heeled in.....	676
Transplanted.....	11,500

Materials Used.

Arsenate of Lead, lbs.....	8,775
Kerosene Oil, gallons.....	100
Whale Oil Soap, lbs.....	100
Coal Tar, bbls.....	4

Saw Mill.

Firewood Cut and Delivered to Schools, cords.....	179½
Lumber Cut for Trestle, Coal Bins, etc., sq. ft.....	31,300

REPORT OF ENGINEERING BUREAU.

This bureau for the past year has been engaged in the preparation of plans, specifications, estimates of cost, the construction of various park structures and developments, and of general improvements and maintenance.

FOREST PARK.

The construction of an extension to the Administration Building having been authorized, plans and specifications were prepared. The architects were Erdmann and Hahn. The plans provided for a one-story and basement addition on the south end of the present building, size 22 feet by 47 feet. The walls were to be of hollow tile, with a stucco finish; floor of concrete, with a composition finish; roof of Spanish tile; the old building was to be partitioned off; and the plumbing, heating and lighting systems altered and enlarged.

The work was let on February 4, 1915, in three separate contracts, as follows:

1. General Construction—Frank J. Felgenhauer Co., Inc.	\$5,387.00
2. Plumbing—Max L. Epstein.	427.00
3. Heating—Smith and Theis.	744.00

The contract was completed in the time allowed of ninety working days.

This building was altered and enlarged, in order to give much needed working space to the various bureaus of the Department. Prior to its remodelling, the office building consisted of one room, which was occupied by the entire executive force. This caused considerable difficulty in the carrying on of the work of the Department. The building, as completed, consists of seven rooms, and this enlargement has added greatly to the efficiency and comfort of the force.

After contracts for construction, plumbing and heating were let, it was found that their total cost would be about \$1,000 less than the amount appropriated. As new furniture was needed for fitting up the enlarged offices, an estimate was made up and permission obtained from the Board of Estimate and Apportionment to spend \$1,000 for this purpose.

Expenditures.

General Construction.	\$5,387.00
Extras.	578.50
Plumbing.	428.00
Heating.	744.00
Furniture.	992.10
Architect's Services.	356.12
Total Cost.	\$8,485.72

Piping System for Golf Links.

Plans, specifications and estimates of cost were prepared, contract let, and work completed for installing a complete system of piping for watering the Golf Links.

This contract provided for furnishing and installing approximately 5,100 lin. ft. of galvanized wrought iron water pipe, with fittings, branches, etc., necessary hose connections at each green, and three drinking fountains.

The work was let on April 1, 1915, to Samuel Gallucci for \$1,341.20, and was completed in the contract time of forty working days.

This system was installed in order to keep the greens at the various holes in proper condition. It displaced the costly and unsatisfactory method of using a watering cart and several men, with long lengths of hose, to wet a few greens, leaving others uncared for.

During the course of the work it was decided to extend the piping to the Saw Mill and to New Green No. 4, entailing an extra of \$177.00.

This improvement has effected a great saving in labor, has been very beneficial to the physical condition of the Links, and greatly satisfactory to the public.

Final Estimate.....	\$1,339.90
Extras.....	177.00
Total.....	<u>\$1,516.90</u>

New Golf Holes.

Plans were prepared for constructing four new golf holes in place of those located along Ashland Street. This change was made in order to release outlying areas of land for playground purposes, and to eliminate friction between residents of this section and the golf players.

The locations for the new links were carefully surveyed and four courses staked out. The natural features of the new courses are exceptionally good and golf experts have expressed the opinion that the new golf links, when completed, will be the sportiest in this section of the country.

An appropriation of \$5,000 was authorized by the Board of Estimate and Apportionment for this work in 1914. A survey was made of the improvement and it was decided that the Department was best equipped to do this work. The following working schedule was approved by the Board of Estimate and Apportionment, on January 15, 1915, and work was started.

Working Schedule.

1,100 days, Climbers and Pruners at \$2.50.....	\$2,750.00
500 days, Laborers at \$2.50.....	1,250.00
200 days, Teams at \$5.00.....	1,000.00
	<u>\$5,000.00</u>

This force cleared approximately twenty-four acres of forest land of trees and stumps. More than 6,500 trees of various sizes were cut down and the logs dragged to a central point, to be worked into timber. Stumps were pulled; all small brush burnt; and everything of sufficient size for firewood was conveyed to the mill.

This work has resulted in the salvage of material which would have cost the Department approximately \$8,950.

After the work was well under way, it was found that the appropriation of \$5,000 was altogether inadequate to complete it. A careful study was made of the situation, and finally a request was made on November 26, 1915, to the Board of Estimate and Apportionment for \$7,350 to complete the clearing, grading and seeding of the new courses. The following report was transmitted under date of November 26, 1915.

In regard to finishing up the very necessary clearing, grading and seeding of four new golf courses on the Forest Park Golf Links, the following schedule has been prepared:

Foreman, 100 days at \$3.50.....	\$350.00
Laborers, 1,100 days at \$2.50.....	2,750.00
Climbers and Pruners, 800 days at \$2.50.....	2,000.00
Gardeners, 300 days at \$2.50.....	750.00
Teams, 300 days at \$5.00.....	1,500.00
	<hr/>
	\$7,350.00

Expert golfers have already examined the new courses and are unanimous in declaring that when put in first class playing condition, the Forest Park Golf Links will be one of the sportiest in the country.

In order to complete this work and put the links in condition for play, it will be necessary to clear twenty-four acres of land of about 6,300 tree stumps and roots; fill the holes; plow, harrow, grade and seed the courses; construct new Greens and Tees; and finish off the edges of each course with new tree plantings.

The most difficult part of this work will be the removal of tree stumps and the grubbing of roots. I believe that the best disposition of these stumps and roots may be made by using many of them as firewood and burning the remainder as refuse.

As soon as this appropriation is authorized, the final work on the links will be carried to completion.

Entrance for Golf House.

Plans and specifications were prepared, a contract let, and work completed for constructing a New Entrance to the Golf House.

The plans provided for reinforced concrete steps, rubble masonry walls, and two wrought iron lamps, of a design suitable for a park entrance.

The work was awarded to the H. J. Mullen Contracting Company on October 28, 1914, for \$297.00.

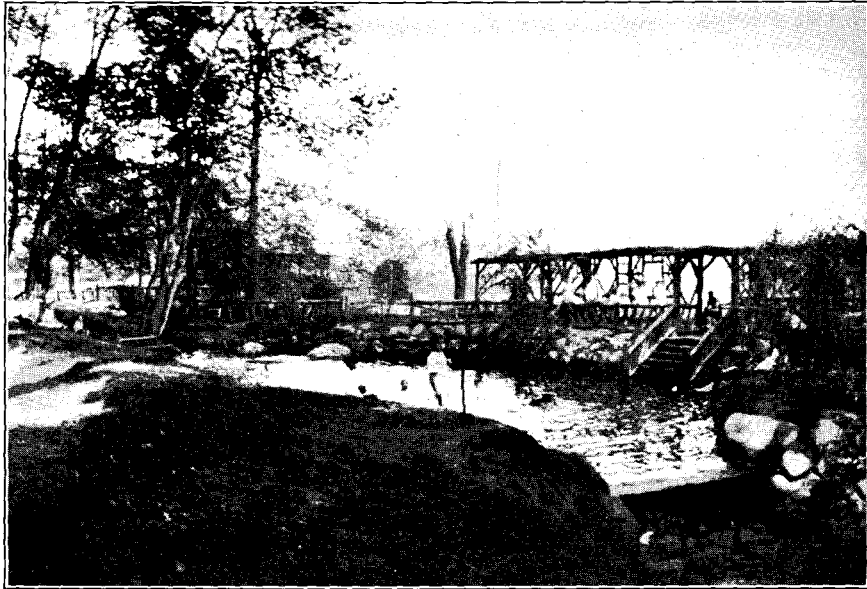
On account of unsuitable weather conditions, work on this contract did not start until March 22d of the present year. It was completed in the contract time of twenty working days.

This improvement presents a very pleasing appearance at the Golf House. It completed the work in connection with the construction of the automobile roads and removed a very unsightly condition in this section of the park.

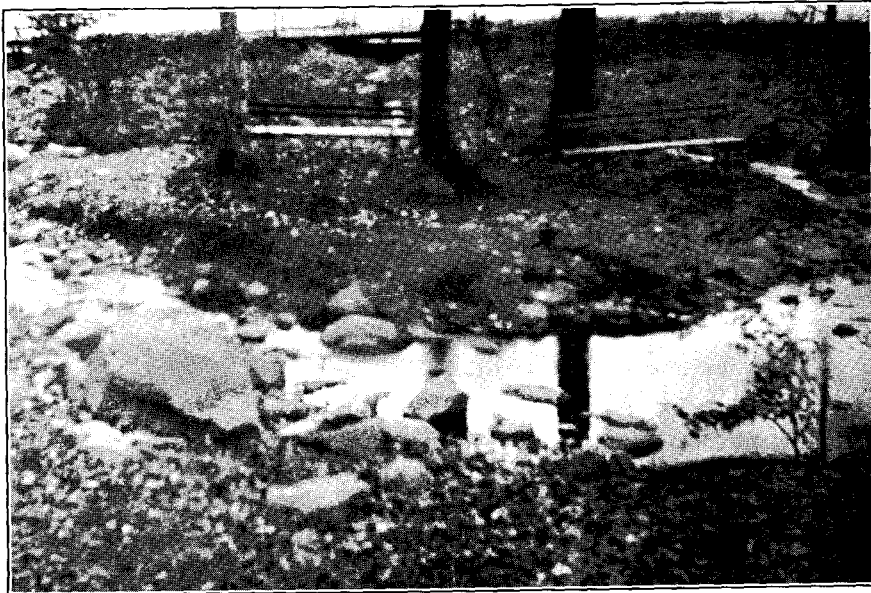
Final Estimate.....	\$297.00
Extras for two Wrought Iron Lamps.....	50.00
	<hr/>
	\$347.00

Surfacing Automobile Road.

Plans, specifications and estimates of cost were prepared for Surfacing the Automobile Road in the vicinity of the Golf House.



New Wading Pool in Kissena Park.



Site of Wading Pool before Improvement.

The plans provide for surfacing approximately 2,000 lin. ft. of dirt road with a 2½-inch asphaltic concrete surfacing on a 6-inch Portland Cement Concrete Foundation; an adequate drainage system; a gravel walk; and a parking space bordering the roadway. The finished road will be 30 feet wide.

Following is the Engineer's estimate of quantities, with cost:

800 Cubic Yards of Fill at \$0.40.....	\$320.00
325 Linear Feet 6-inch Vitrified Drain Pipe at \$0.40....	130.00
250 Linear Feet 12-inch Vitrified Drain Pipe at \$0.60....	150.00
10 Catch Basins to Construct Complete at \$40.00.....	400.00
850 Cubic Yards of Concrete to be Furnished and Laid as a Foundation for Road Pavement at \$4.50.....	3,825.00
150 Cubic Yards of Concrete for Gutters at \$4.50.....	675.00
5,050 Square Yards of Bituminous Concrete Wearing Surface (5 years' maintenance) at \$1.00.....	5,050.00
975 Square Yards of Gravel Walk at \$0.85.....	828.75
190 Cubic Yards of Top Soil for Parking Spaces at \$1.00.....	190.00
5,200 Square Feet of Sod for Parking Spaces at \$0.022	130.00
Total.....	\$11,698.75

This improvement, when completed, will give a continuous roadway through the park from Union Turnpike to Forest Parkway.

The plans and specifications were approved by the Board of Estimate and Apportionment on December 14, 1915.

The contract will be let in the early part of next year and construction work started in the spring.

Alterations and Additions to Greenhouses.

Plans, specifications and estimates of cost were prepared for enlarging and altering the Greenhouses and installing an adequate heating system.

The construction work included glazing the walls and roof of the extension with glass; constructing a new pit; constructing a propagating bed in Greenhouse No. 4; and constructing a passageway from Greenhouse No. 1 to Greenhouse No. 2.

The heating work included furnishing and installing a new sectional hot water boiler, 500 ft. of 3½ C. I. pipe in Greenhouse No. 3; and 1,300 feet of 2-inch W. I. pipe in the extension and new pit. The Park Department did all excavation and masonry work with departmental labor. All Greenhouse construction and heating work was let out by contract.

The work was let in two contracts on July 22, 1915, as follows:

Construction of Alterations and Additions—Metro- politan Material Co.....	\$650.00
Furnishing and Installing Heating Plant—William J. Olvany.....	997.00

The work was completed in the contract time of sixty working days.

This was a much needed improvement, as it gave additional working space and much needed heating facilities.

Expenditures.

General Construction.....	\$650.00
Extras—Ventilating Sash and Gutters.....	122.00
Glass.....	42.25
Cement.....	106.32
Wire.....	15.00
Electric Lighting.....	160.00
Heating Plant.....	997.00
	<hr/>
	\$2,092.57

Electric Lighting of Stables and Greenhouses.

An electric lighting system was installed in the Stables and the Greenhouses. This was in place of an antiquated system of lighting with oil lamps. Cost, \$270.00.

Drainage System for Roads Around Greenhouses.

Plans for an adequate system of drainage were prepared for the roads in the vicinity of the Greenhouses. The system will be fully completed in the year of 1916 and will take care of all surface water near the Greenhouses.

Central Service Building.

Location and Preliminary Plans for a Central Service Building have been worked out. The architects are Erdmann and Hahn. The plans are now in the hands of the Board of Estimate and Apportionment for approval.

The building proposed in the form of a quadrangle 175 ft. x 200 ft., with an inner court 104 ft. x 129 ft. It will comprise workshops, storehouses, stables, garage, sheds, in which the road rollers and park equipment can be stored and protected from the weather; and a freight siding, with coal bunkers. The siding will connect the Service Building with the Brooklyn Rapid Transit Railroad on Myrtle Avenue.

The construction of this building and freight siding will effect a great saving in maintenance and in the cost of materials used by the Department. Cost of buildings, \$75,000.00.

Freight Siding and Bunkers.

In connection with the Central Service Buildings, the plans for the Siding and Coal Bunkers were completed and the latter are now being constructed with Department labor.

It was decided to construct the Freight Siding before contracts were let for the Service Buildings. This was done in order to effect a considerable saving on the cost of materials used in erecting this group. After the Siding is completed, all brick, lumber, cement, hardware and other materials needed can be purchased in car-load lots and freighted directly to the site of the work. This will eliminate long hauls by teams of building materials from some freight station to the place of construction, thereby reducing the cost considerably.

The Freight Siding is to be approximately 1,000 feet long. The tracks and overhead wiring will be carried on a heavy timber trestle, consisting of bents spaced 16 feet on centers, the timbers of which will be 12 x 12s, strongly braced.

Practically all of the timber used in the trestle is obtained from land in the Park, which has been cleared for new Golf Links.

The Coal Bunkers, three in number, will have a capacity of 300 tons. They are to be built into the Trestle, underneath the car tracks. Coal cars can dump directly into them.

On Oct. 1, 1915, the Board of Estimate and Apportionment approved the following labor schedule:

200 days, Climbers and Pruners at \$2.50.....	\$500.00
480 days, Labor at \$2.50.....	1,200.00
120 days, Carpenter at \$5.00.....	600.00
120 days, Teams at \$5.00.....	600.00
	<hr/>
	\$2,900.00

They further authorized, subject to Provision 419 of the Charter, the expenditure, by contract or open market order, of the sum of twenty-six hundred and fifty dollars (\$2,650) for the purchase of finished timber, sand, cement, hardware and plant equipment for a sawmill.

Work was started, about Oct. 4, 1915, with this force, and is progressing very rapidly. It is expected that this work will be completed in the early part of 1916. Cost, \$9,550.

Installation of Track and Overhead Wiring for Siding.

Plans and specifications were prepared for installing the Tracks and Overhead Wiring on top of the Freight Siding.

This contract called for the construction of the following:

1 Left Hand Branch Off.
640 Lin. Ft. of Tangent Track.
160 Lin. Ft. of Curved Track.
All Overhead Wiring.

It was provided that the Park Department furnish practically all the ties and tangent track.

Owing to the urgent need of the Department for the use of this freight siding for coal deliveries, permission was obtained from the Board of Aldermen to award the contract without public letting.

Bids were obtained from the following concerns:

Brooklyn Rapid Transit Co.....	\$4,100.00
T. H. Reynolds Const. Co.....	3,450.00

The contract was finally awarded to the T. H. Reynolds Const. Co. on Nov. 9, 1915, for \$3,450.

This work is now under way and is being prosecuted in conjunction with the work of the Departmental force on the trestle. The completion is

expected in the early part of 1916, within the contract time of twenty-five working days. Cost \$3,450.

KISSENA PARK.

Plans were prepared for the improvement of the Park in the vicinity of the lake. It was decided, in general, to clean and grub out about two acres of swamp land and extend the lake to cover this cleaned up area; to widen and extend the roadway; to reconstruct two spillways; and to construct a rustic bridge. This work has been done with Departmental labor and is now completed.

Piping System.

Plans, specifications and estimates of cost were prepared, contract let, and work completed, for installing a complete system of piping for watering the Nurseries.

This contract provided for furnishing and installing approximately 1,700 lin. ft. of galvanized wrought iron water pipe, with fittings, branches, etc.; necessary hose connections, and three drinking fountains.

The work was let on July 6, 1915, to Samuel Gallucci for \$466.90, and was completed in the contract time of forty working days.

This water supply system makes available the large stock of shrubbery located at this park and adds greatly to the comfort of the public by providing drinking water at convenient places.

Final Estimate.....	\$466.90
Extras.....	19.25
Total.....	<hr/> \$486.15

Tennis Courts.

Plans were prepared for constructing and fencing in eight tennis courts. This work was done by Departmental labor. The courts were completed and have provided recreation for a large section of Queens.

Rustic Bridge and Pergola.

A Japanese bridge, composed of large stones and rustic work, has been started and is now more than fifty per cent. completed. A rustic pergola has been constructed on the shores of the lake, near the spillway.

KING PARK.

The work of levelling off and grass seeding the Hockey Field in King Park has been completed. The field comprises an area of approximately three acres. It is used principally for tennis, in the spring and summer, and for hockey by the high school girls in the fall.

It was decided to level off and grade this lawn, making it a better playground and also improving the appearance of the park.

This work was done with Departmental labor. Approximately 2,000 cubic yards of material were shifted. The field was seeded and Barberry planted along the walks.

Comfort Station.

Plans, specifications and estimates of cost were prepared for remodelling and altering the old comfort station.

A modern and sanitary comfort station was badly needed at this park, situated in the heart of Jamaica.

It was decided that the most practical and economical thing to do was to alter and remodel this building, which was an adjunct to the old historic King Manor House.

The plans provided for tearing out the roof, interior floors and partitions; construction of new floors, partitions and roof; relocation of windows and doors; and the installation of sanitary toilets and a modern heating plant.

The work was let on February 23, 1915, in three contracts, as follows:

General Construction—Harry Britton.....	\$748.00
Plumbing—George A. Knaus.....	775.00
Heating—Grimshaw and Sturges.....	225.00

The alterations and additions were completed in the contract time of forty working days.

Expenditures.

General Construction.....	\$748.00
Extras.....	54.00
Plumbing.....	775.00
Extras.....	140.00
Heating.....	225.00
Total.....	<u>\$1,942.00</u>

Band Stand.

Plans, specifications and estimate of cost were prepared, contracts let, and work completed.

This contract provided for all labor and materials required for the erection and completion of a Band Stand located in King Park, Jamaica.

The work was let March 11, 1915, to Finnan and Lee, for \$1,969, and was completed in the contract time of fifty working days.

During the construction of the work it was decided to build a cement walk around the Band Stand, to carry off the water, away from the building, entailing an extra cost of \$80.

The structure was a much needed improvement and adds greatly to the beauty of the park.

Cost.....	\$1,969.00
Extra.....	80.00
Total Cost.....	<u>\$2,049.00</u>

LEAVITT PARK.

A wooden flume, approximately 800 feet long, has been constructed through the park by the Borough President's Office, to take care of the sewage. This comes from the neighborhood and formerly flowed through the park, in open trenches, to a low swampy area nearby.

The flume is only a temporary structure and will be removed and the trench filled in, as soon as the sewer system for this section is constructed. This temporary structure has removed a menace to the neighborhood.

Filling and Grading.

Ground for the park is being filled in and graded. To date, about 40,000 cubic yards of material have been put in place. This will bring the park up to the level of the streets and provide suitable land for improvements.

Construction of Baseball Diamond.

A new baseball diamond has been staked out and the grading is now in progress. Fill is being obtained from neighboring cellar excavations. A suitable backstop and small stand for spectators is planned.

RAINEY PARK.

This park is located on solid rock. In order to do suitable grading, the most economical method is to fill in, rather than excavate. Fill is being obtained from nearby excavations and the grading has continued throughout the year.

New Tennis Court and Baseball Diamond.

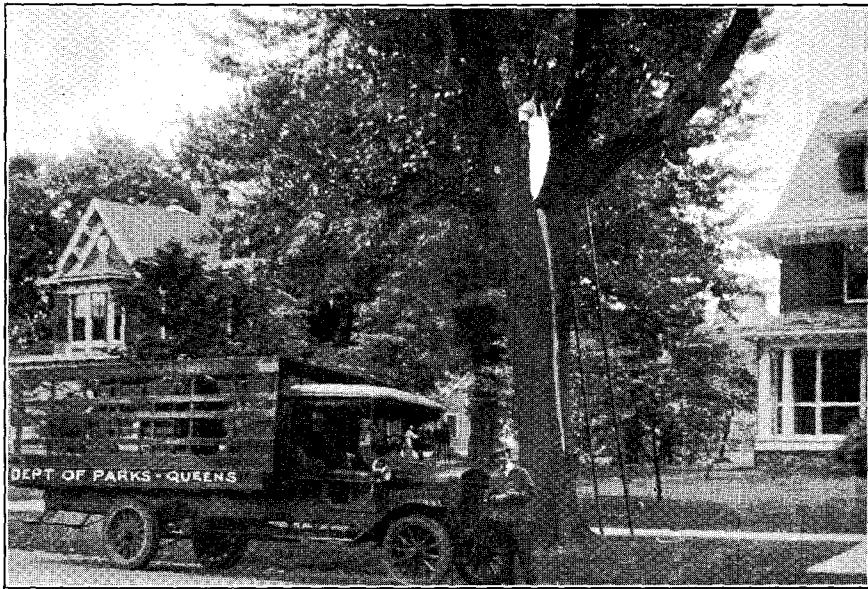
A new tennis court has been constructed and is now being played upon. A baseball diamond has been staked out and the filling in and grading are now in progress.

ROCKAWAY PARK.

The boardwalk was severely damaged by the storms of last winter and spring. Extensive repairs were made, consisting of the driving of many new piles for strengthening the structure and the resurfacing of sections of the boardwalk. Cost, approximately \$500.

JACOB RIIS PARK.

The construction of Timber Jetties and Bulkhead for the protection of the beach in front of the Sea Breeze Hospital was authorized by the Board



Pruners and Climbers Working on Flushing Trees.

of Estimate and Apportionment on June 8, 1915. The sum of \$8,500 was appropriated for this purpose. This appropriation was passed in order to repair damages suffered by the jetties and beach in front of the hospital, after a series of violent spring storms.

Plans, specifications and estimates of cost were prepared and approved by the Board of Estimate and Apportionment. The plans provided for the construction of 580 linear feet of timber bulkhead, 340 linear feet of timber jetty, and the strengthening of 350 linear feet of existing jetty.

The contract was advertised and bids opened on Sept. 22, 1915. The work was awarded to the lowest bidder, A. M. Hazell, Inc., for \$7,737. It was started on October 11, 1915, and was completed in the contract time of sixty working days.

During the course of the work, several minor changes were made in the construction details, which benefited the work generally and did not add to its cost.

An open market order was issued to Mr. Friedlander to backfill behind the bulkhead with sand and to cover the same with a six-inch layer of sea grass. Approximately 1,000 cu. yds. of sand were deposited.

The construction of a bulkhead along the inshore ends of the jetties has resulted in considerable strength being added to this system of shore protection. The bulkhead has stiffened the jetties against the impounding action of the elements and is proving an effective means of retaining the sands washed up by the seas.

During the progress of the work, and since its completion, the beach has been building up rapidly, showing that the design, as well as the orientation of these structures, is entirely suitable for the work they have to perform.

The beach at this park is approximately 4,900 feet long and is very much exposed to the eroding action of the sea. About 1,000 feet of this stretch is now protected from the sea by bulkheads and jetties. This system is successfully protected and building up this portion of the shore front and, as a result, the beach is about five feet higher and has been built out seaward from 150 to 200 feet. The remaining 3,900 feet of shore line is unprotected.

It is being constantly washed away and the water is getting dangerously near Washington Avenue. Where the present system of jetties and bulkheads end, the ocean has eaten quite a distance into the land.

During the coming year the present system should be extended a considerable distance down the beach. Otherwise, the high tides will cause considerable damage and loss of property.

Expenditures.

Construction of Timber Jetties and Bulkhead.....	\$7,737.00
1,000 Cu. Yds. Backfill and Cover of Sea Grass 6	
Inches Thick, for same.....	385.00
Engineering Salaries.....	375.00
Total.....	<u>\$8,497.00</u>

GENERAL ENGINEERING.

In addition to the above, miscellaneous Boundary and Topographical Surveys were made; park paths and service roads constructed; estimates and grades given for parking and drainage work; baseball, football and hockey fields staked out and data compiled for estimates, improvements and reports of all kinds.

GREENHOUSES.

The work of the gardeners and laborers in the Greenhouse force extended largely to the outlying parks. Practically all of the floral beds, save such hardy perennials as were not moved in the year, were cared for by this force. This work entailed the hauling of soil, fertilizer, mold, sand, etc.; the preparation of composts; potting and repotting; the setting out of plants, their care and cultivation; in short, the taking care of all flowers and shrubs in the parks, as well as the Greenhouses.

There was also done, through the year, much sodding of banks and seeding of lawns. In addition, there was the necessary preparation, in the fall of 1915, for the year of 1916 and there were three annual shows, fall, winter and spring, at the Greenhouses.

The following is a list of plants handled through the seasons:

Easter Exhibition, Greenhouses,					
1915—					
Hyacinths.....	3,000		Centaurea.....	864	
Tulips.....	5,000		Geraniums.....	225	
Easter Lilies.....	300		Pennisetum.....	400	
Cineraria.....	500		Begonias.....	2,850	
			Phyllanthus.....	180	
			Crotons.....	180	
			Castor.....	6	
			Caladium.....	3	
Planted at Kings Park, Spring,					
1915—					
Pansies.....	20,320		Highland Park, 1915—		
Daisies.....	4,000		Cannas.....	2,960	
			Salvias.....	880	
Highland Park, 1915—			Centaurea.....	1,200	
Pansies.....	4,000		Castor Plants.....	150	
			Vinca.....	1,688	
Forest Park Beds—			Pennisetum.....	400	
Pansies.....	11,000		Geraniums.....	328	
			Achyranthes.....	180	
			Coleus.....	2,000	
Summer Outdoor Bedding, 1915—					
Linden Park—			Flushing Square, 1915—		
Cannas.....	488		Coleus.....	640	
Salvias.....	536		Begonias.....	200	
Coleus.....	1,850				
Vinca.....	250		College Point, 1915—		
Geraniums.....	360		Pennisetum.....	450	
Pennisetum.....	300		Salvias.....	400	
			Cannas.....	414	
Kings Park, 1915—					
Acalypha.....	1,500		Ashmead Park, 1915—		
Coleus.....	3,562		Coleus.....	200	
Cannas.....	400		Salvias.....	54	
Achyranthes.....	2,000		Geraniums.....	50	
Salvias.....	505				

**Nott Ave. Parkway, L. I. City,
1915—**

Coleus.....	640
Begonias.....	200

Kissena Lake Park, 1915—

Cannas.....	244
Acalypha.....	200
Coleus.....	600

Upland Park, 1915—

Coleus.....	5,320
Acalypha.....	300
Castor Oil.....	20
Caladium.....	3
Achyranthes.....	100

Rainey Park, 1915—

Coleus.....	900
Salvias.....	300
Pennisetum.....	100
Castor Oil.....	2

Triangle Bed, Golf House—

Cannas.....	316
Coleus.....	1,300
Geraniums.....	270
Salvias.....	300

**Triangle Bed, Myrtle Avenue Golf
Links—**

Pennisetum.....	400
Salvias.....	465
Centaurea.....	1,500
Castor Oil.....	30

Main Office Beds—

Cannas.....	180
Acalypha.....	700
Pennistum.....	600
Coleus.....	1,320
Salvias.....	1,264

**Greenhouse Beds, Frames, Green-
houses, etc.—**

Beds, Frames—

Coleus.....	800
Acalypha.....	92
Salvias.....	487
Cannas.....	1,433
Perennials.....	5,000

Greenhouses—

Chrysanthemums.....	12,000
Asparagus Ferns.....	300

Poinsettias.....	300
Stevia.....	200

Exotic Plants—

Phylanthus - Dracaena - Crotons, Marantas, etc.....	1,200
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Public Schools, Queens Borough—

Cannas.....	378
Geraniums.....	208
Coleus.....	808
Salvias.....	568
Pennisetum.....	100
Euonymus.....	6
Acalypha.....	50
Castor Oil.....	1
Broom Corn.....	12
Cotton Plants.....	24

Police Dept. Booths—

Coleus.....	480
Cannas.....	64
Salvias.....	120
Geraniums.....	96

Bridge Dept., Borden Ave. Bridge—

Coleus.....	1,500
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Dept. of Public Buildings—

Queens County Court House.	
Jamaica Town Hall.	
Flushing Town Hall.	
Alternanthera.....	400
Dracaena.....	2
Cannas.....	94
Castor Oil Plants.....	3
Coleus.....	50
Ageratum.....	50
Salvia.....	76
Geraniums.....	75

Charitable Institutions—

St. Anthony's Hospital—	
Salvias.....	80
Cannas.....	54
Coleus.....	80
Pennisetum.....	100
Geraniums.....	36
Castor Oil.....	6

Queens Borough Hospital—

Cannas.....	144
Salvias.....	320
Coleus.....	400

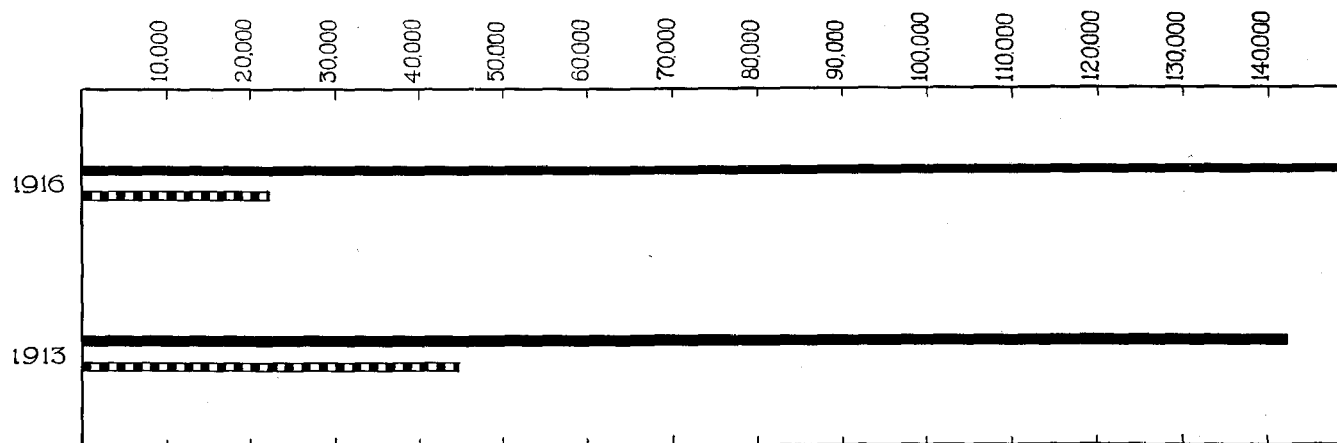
Total.....122,544



THE CITY OF NEW YORK.
DEPARTMENT OF PARKS—BOROUGH OF QUEENS.
Summary of Expenses for Year Ended December 31, 1915.

(A) ON BASIS OF COST BY FUNCTIONS FOR EACH PARK.

DIRECT PARK EXPENSES											
	General Expenses	Super- vision and General Expenses	Care of Roads, Paths and Driveways	Care of Trees, Shrubs, Flowers, and Lawns	Care of Beaches, Lakes and Shore Lines	Play- grounds and Athletic Fields	Park Improve- ments and Properties	Buildings and Structures	Pumping and Comfort Stations and Bath Houses	Music and Celebrations	Total for Year
General Administration...	\$24,920.75										\$24,920.75
Automobile Service...	13,780.17										13,780.17
Improved Parks—											
College Point.....		\$20.44	\$406.12	\$725.63			\$179.08	\$71.99		\$215.50	1,618.76
Flushing.....		137.07	404.38	702.66			134.52			103.21	1,481.84
Forest.....		1,436.71	4,113.90	3,655.81	\$33.55	\$7,481.14	3,730.27	9,388.89	\$2,340.87	761.75	32,942.89
Highland.....		614.41	1,804.50	3,445.97	16.25		65.74	33.72	1,482.70	1,123.38	8,586.67
Kissena Lake.....		1,600.74	1,018.10	4,274.25	302.74	2,958.45	2,564.03	136.16		466.50	13,320.97
Kings.....		135.74	1,135.36	2,976.81		1,580.88	124.60	399.17	419.11	576.87	7,348.54
Linden.....		54.99	555.00	863.87	157.22		94.22	7.00		212.50	1,944.80
Rockaway.....		99.25			1,537.71		577.53				2,214.49
Upland.....		71.57	308.25	606.56	129.50			50.44			1,166.32
Small Parks and Gores		99.86	1,390.00	370.00	83.75		711.09	133.04			2,787.74
Ashmead Playground.						1,193.44		11.15			1,204.59
Ridgewood Playground						52.66					52.66
Undeveloped Park Areas—											
Leavitt Park.....		2,798.51									2,798.51
Rainey Park.....		471.45	397.26	444.93		843.89		115.01		413.44	2,685.98
Telawana Park.....											60.18
Wayanda Park.....		.80	7.50	51.88							2.50
Lafayette.....			2.50								33.75
School Farms.....		33.75									
City Streets—											
Care of Trees.....		21,200.89									21,200.89
Undistributed Expenses—											
General Park Equip- ment.....	3,822.89										3,822.89
Stables.....	6,849.48										6,849.88
Greenhouses and Nur- series.....	26,273.68										26,273.68
Storehouse.....	1,274.18										1,274.18
Shops (Overhead)....	2,780.91										2,780.91
Menagerie.....	715.76										715.76
Wood Cutting.....	396.50										396.50
L. I. City Celebration.										55.84	55.84
Rich. Hill Celebration.										52.17	52.17
Total.....	\$80,814.32	\$28,776.18	\$11,542.87	\$18,118.37	\$2,260.72	\$14,110.46	\$8,181.08	\$10,346.57	\$4,242.68	\$3,981.16	\$182,374.41

THE CITY OF NEW YORK
DEPARTMENT OF PARKS: BOROUGH OF QUEENS.



Appropriation for Development and Maintenance Shown Thus 
 " " Administration Shown Thus 

© January 4, 1916

John E. Weier, Commissioner~

JUNE 1, 1916.		CITY OF NEW YORK DEPARTMENT OF PARKS, BOROUGH OF QUEENS						JOHN E. WEIER, Commissioner	
PARK PARKWAY OR PLAYGROUND	AREA (ACRES)	AREA OF LAWNS MOWED WITH AUTO OR HORSE DRAWN MOWERS	AREA OF LAWNS MOWED WITH HAND MOWERS	LENGTH OF ROADS (LINEAR Ft.)	AREA OF ROADS (SQUARE Yds.)	LENGTH OF WALKS (LINEAR Ft.)	AREA OF WALKS (SQUARE Yds.)	LENGTH OF BRIDGE PATHS LINEAR FEET	
FOREST	536	135	8	MACADAM 24,000 ASPHALT 1,700 DIRT 12,000	MACADAM 80,000 ASPHALT 6,000 DIRT 40,000	GRAVEL 16,500 DIRT 8,500	GRAVEL 7,700 DIRT 9,000	650	
JACOB RIIS	262.58			MACADAM 6,600	MACADAM 22,000				
KISSENA LAKE	88.12	16	6	GRAVEL 2,000 DIRT 4,500	GRAVEL 4,000 DIRT 8,000	GRAVEL 1,500 DIRT 1,200	GRAVEL 1,400 DIRT 1,100	164	
BAISELEY'S POND	75	2	3	DIRT 1,400	DIRT 1,600	DIRT 2,200	DIRT 2,500	35	
HIGHLAND	65.05			MACADAM 700 ASP. MAC. 5,500 DIRT 250	MACADAM 2,800 ASP. MAC. 20,000 DIRT 360	GRAVEL 6,000 FLAGGING 270	GRAVEL 10,000 FLAGGING 120	200	
ASTORIA	56.25	30	10	MACADAM 3,030	MACADAM 20,300	FLAGGING 4,350	FLAGGING 2,000		
ROCKAWAY	17.87					BOARD WALK 4,130	BOARD WALK 9,177		
ONE MILE POND	16								
KING	11.50	7	3			HEX. TILE 3,000 GRAVEL 1,500 FLAGGING 1,150	HEX. TILE 4,000 GRAVEL 2,000 FLAGGING 510		
LEAVITT	7.61					DIRT 856	DIRT 1,426		
UPLAND	5.50		2			GRAVEL 2,260 FLAGGING 550	GRAVEL 3,760 FLAGGING 244		
RAINEY	8.09		3			DIRT 1,000 FLAGGING 870	DIRT 2,250 FLAGGING 387		
LINDEN	3	¾	½			HEX. TILE 1,435 GRAVEL 1,590 DIRT 800	HEX. TILE 2,000 GRAVEL 710 DIRT 360		
WAYANDA	2	1				GRAVEL 1,400	GRAVEL 2,350		
COLLEGE POINT	1.14		¾			HEX. TILE 560 FLAGGING 880	HEX. TILE 940 FLAGGING 400		
FLUSHING	1.02		¾			HEX. TILE 720 GRAVEL 150	HEX. TILE 960 GRAVEL 56		
ASHMEAD	.27					FLAGGING 420	FLAGGING 235		
CONDUIT LANDS	26.5								
OLD NEWTOWN CEMETERY	.87								
PARKING SPACE AT ROCKAWAY			10¼						
PARKING SPACE	1.87		1.87						
FOREST PARKWAY			.20	ASPHALT MACADAM 1,400	ASPHALT MACADAM 12,444				
SIX STREET GORES	.23					FLAGGING 1,435	FLAGGING 957		
TOTAL	1186.47	191.75	49.32	63,100	217,504	65,226	66,542	1049	

