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TWENTY-SECOND ANNUAL REPORT
of the
DEPARTMENT OF PARKS
of the
BOROUGH OF BROOKLYN
CITY OF NEW YORK
FOR THE YEAR 1919

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BEING

THE FIFTY-NINTH ANNUAL REPORT

OF THE

OLD CITY (Now Borough) OF BROOKLYN

31C-5011-21-B

OFFICE OF DEPARTMENT OF PARKS
BOROUGH OF BROOKLYN

December 31, 1919.

Hon. JOHN F. HYLAN,
Mayor of The City of New York.

Sir—In compliance with the provisions of the Charter, I send you herewith the report of the work undertaken and accomplished in this department for the year 1919.

I have the honor to remain,

Very truly yours,

JOHN N. HARMAN,
Commissioner.



Prospect Park Plaza—Showing Community Christmas Tree With Soldiers' and Sailors' Arch in Background.

INTRODUCTION

EXTENSIVE IMPROVEMENTS.

The Brooklyn parks kept pace with the remarkable growth of the Borough and up-to-date requirements during the year, and added largely to their general attractiveness. The department made many material improvements and also provision for future extensive developments in securing authorized expenditure of nearly \$500,000 for long-needed paving improvements.

Another improvement was substitution of motor trucks for old horse-drawn trucks. By this substitution thousands of dollars eventually will be saved to the City.

The proper upkeep of structures and other extensive properties has brought salutary results. Many random toe-paths of trespassers through lawns have been removed, trees and shrubbery extensively pruned and a large program of new tree and shrub planting carried out. Nearly all structures have been thoroughly repaired, rolling stock and tools overhauled and made serviceable, sufficient supplies kept on hand, lawns, walks, roads and buildings well cleaned and kept in orderly condition; the wrecked Dreamland Pier and old steamboat dock removed. Department accounts now kept in exactness and ready accessibility, and revenues watched and fostered. An experienced Storekeeper has been restored and dispensatory methods and control brought up to date. Reductions have been made in engineering, mechanical, horticultural and clerical forces, additional work being apportioned among other employees without impairment of service. During the warmest days of Summer the Park Department distributed in congested districts free ice furnished through the initiative of Mayor Hylan and public-spirited citizens.

Out of appropriations of \$758,495.97 for 1918, it was possible to return to the City \$33,132.71. The most notable improvements were achieved in 1919 through negotiation with the Federal Government. One was filling in Shore Road Basin without cost to the City—work that is still going on, including construction of metal fence, saving \$100,000; and the other was filling in part of Dyker Beach Park swamp lands—250,000 cubic yards, including reclamation of ten acres, that made repairs to the old timber bridge unnecessary; and saving, it is estimated, fully \$275,000. For the first time in the history of Prospect Park its great flock of sheep has been furnished capacious and comfortable quarters.

There was saved at the Menagerie by slaughtering old horses, by feeding fish from the lake and by feeding grass cut from lawns, the sum of \$3,042.72. The construction of a hockey field at Bay Ridge Parkway and Fifth avenue saved \$2,500, making a total savings of \$413,675.43. On the other hand, increased revenue was obtained from concessions of \$4,000 a

year, the Prospect Park purveying privilege being raised from \$7,500 to \$11,000, and the boating privilege from \$5,000 to \$5,500.

PATRIOTIC DUTIES PERFORMED.

The department has supplemented the performance of its civic duties in beautifying the parks, by recognizing a desire to permanently honor those gallant American souls who died in service of the United States during the late war. This has been done in part by planting Memorial Trees on either side of Bedford avenue for a distance of five miles, each tree bearing a plate with the name and rank of the dead. The contract was awarded for erection of the Soldiers' and Sailors' Memorial Honor Roll of bronze and granite, designed by the eminent sculptor, Augustus Lukeman, the cost to be defrayed by Mr. William H. Todd, an American shipbuilder. The Memorial bears the names in bronze of 2,760 men who died in the service of the American Flag. In front on the bronze tablet are two bronze figures of heroic size, one of a soldier fatally wounded and by his side a stately winged figure has placed a hand on his shoulder. This imposing Memorial to departed American valor is to be completed next August. It will stand by the side of the lake, near the well-known Flower Garden; a quiet, reposeful spot, especially adapted for a tribute to the dead.

A PLEASURE GROUND FOR CHILDREN.

Unflagging efforts are continuing to make Prospect Park and the smaller parks and playgrounds attractive to little children and older girls and boys. Athletic games, moving pictures, games for little ones of the kindergarten class, are encouraged on every side, and interest stimulated by prizes. The May Day's Fete of the Girls' Branch of Public School Athletic League, participated in annually by from 7,000 to 8,000 girls of tender years, continues to attract large crowds of spectators.

A POPULAR PARK.

Prospect Park already ranks with the celebrated parks of Europe by reason of its natural formation and beauty.

It covers 526 acres, 131 acres more than Hyde Park, which is mainly flat surface, its chief attractions largely artificial. In Prospect Park the rose-laden Vale of Cashmere, natural glens and mossy dells, picturesque vistas, the broad and well-kept grass-covered Common, natural knolls carpeted with greensward, flocks of sheep and doves, hosts of squirrels and birds, contribute a rural charm to the park. The broad drives of Prospect Park run through the park down to the ocean over a magnificent, tree-lined parkway. The large lake mirrors upon its silvery waters, woodland, rustic bridges and flower-sprinkled banks of emerald green sloping down to its shining sandy shores.

GENERAL MAINTENANCE SECTION.

Cleaning—Grass Cutting—Mechanical Repairs—Etc.

The maintenance requires upkeep of 1,600 acres of developed and embellished parks, playgrounds and parkways, including 73 buildings and comfort stations, over 1,000,000 square yards of road surface, miles of interior and exterior fences, sewers, bulkheads and sea-walls, hundreds of fountains, manholes and catch basins, great lawn areas to be cut and fertilized, and hundreds of thousands of trees and shrubs.

This work requires operation of considerable plant, including work shops for nearly all trades and mechanics and workers in a great number of different occupations.

The transportation work of the department requires operation of 30 auto trucks, of from 1 to 3½ ton capacity, 30 park teams and wagons, and 10 to 15 additional hired teams and carts at certain seasons of the year.

Increases in cost, scarcity of materials and proper help have been most serious obstacles, but due to the fact that supplies and materials have been rigidly conserved during the last few years, work was accomplished with but slight additional funds but with a labor and mechanical force much less in number than in previous years.

Fertilizer was again prepared in the Duck Pond, Prospect Park, compost pits and spread over lawns where required and used in mulching young trees.

The Prospect Park lake was kept fresh by regularly lowering and raising its level and treated at regular periods with copper sulphate drag. Boating and skating were indulged in again this year to a fuller extent than in any year since the beginning of the Great War.

The swimming and wading pools in playgrounds were in full operation throughout the season, and all sand-boxes for smaller children regularly supplied with clean beach sand. The winter ponds for skating at McCarren, Highland, Amersfort and Port Greene Parks were well patronized by children and grown-ups in their neighborhoods.

All walks, roads, lawns, woodlands and beaches were kept clean of rubbish and paper and snow and ice removed as rapidly as possible and walks and roads coated with sand to prevent slipping and accidents.

Comfort stations were kept in operation for their full hours and the lavatories sanitary and in good repair. All buildings were subjected to regular periodical inspections and the interior and exterior repaired and painted without delay. Inspections for repairs and immediate attention to job orders have resulted in savings in material and mechanical accounts. Major repairs and reconstruction jobs this year were very few.

New Sheep-fold.

The old sheep-fold in Prospect Park, adjoining the Menagerie, had been in a very dilapidated and unsanitary condition for a number of years, so it became necessary to construct one with the department's mechanics. Most of the materials of construction, including practically all lumber, were saved from other operations. The new building is located in the new extension of the Menagerie and has full provision for flushing, draining, rapid and accessible cleaning and for sanitation. Concrete yards, properly fenced in, front the new building, and a wool clipping and housing room adjoin the fold under the same roof.

A new bear cage at the Menagerie was also constructed in conjunction with the sheep-fold and fitted out with a boulder retreat and a concrete floor and pool. As required by these additions to the Menagerie, the main walk for its full width was extended to the rear of the new sheep-fold.

Litchfield Mansion Repairs.

The exterior painted plaster coat over the old brickwork has been falling off, giving the building a very dilapidated appearance. It became necessary for our own forces to undertake the work, in order to keep within the funds provided.

The entire exterior was gone over, all bad sections cut out and repaired and given two coats of best paint. The interior was painted and repaired and the large main hall and general room redecorated and painted. New plumbing was also installed in the basement and in the first floor lavatories.

Bushwick Playground Shelter.

The section of the building which, during the year, was destroyed by fire, was entirely rebuilt and painted and new fixtures installed.

Temporary Honor Roll.

The temporary Honor Roll was taken down to permit construction of the permanent Honor Roll. It was re-located near the old site, repaired, extended and 1,650 names lettered on roll.

Portable Stands.

Over 112 portable stands were erected during the year. Two large stands were constructed—one in Long Meadow, Prospect Park, and one in the Plaza at the main Prospect Park entrance.

Miscellaneous Mechanical Repair Jobs.

Over one thousand mechanical repair jobs were taken care of during the year, of which 472 were in Prospect Park alone.

The following trade jobs were carried out in addition to harnessmaking and horseshoeing:

Carpenters	320
Blacksmiths	150
Wheelwrights	115
Masons	50
Letterers	5,050
Painters	132
Electricians	79
Plumbers	321
Tinsmiths	35
	<hr/>
Total	6,252

ARBORICULTURAL SECTION.

Parks—Playgrounds—Parkways.

During January, February and March our forces engaged in the removal of dead trees and shrubs, general pruning, tarring wounds and removing brush and rubbish.

In Prospect Park, at the beginning of the season, over 1,284 dead trees were marked for removal. Many of these trees were taken down, cut up and wood stored. This also occurred in some of the outside City Parks. These trees will be replaced as circumstances permit.

General pruning was extensively carried on in Prospect Park and many of the other parks; thousands of shrubs were treated and renovation and improvement of the old shrubbery plantations are very noticeable.

Early Planting.

During April and May preparations for planting were extensively carried out. Holes were dug and resoiled with fresh garden mould. Hundreds of deciduous and evergreen trees, shrubs, vines and other ground cover plants were systematically set out.

Rhododendrons, Ivys and a quantity of deciduous shrubbery were set out in the Vale of Cashmere and the Flower Garden. Trees of small caliber were planted near the Croquet House, on the banks and slopes along Flatbush avenue, and near the Duck Pond and the Valley Grove. Bare spaces were covered with shrubbery around the Farm House and on the north plot in Rocky Pass, Endale Arch and Meadow Port Arch, Austrian pines were planted on the east side of Lookout Hill and on the west slope of the Old Fashioned Flower Garden overlooking Lull Water. Ivy beds along the East Drive were replenished with thousands of young plants and results are very satisfactory.



Prospect Park—Some Saplings Planted to Replace Dead Trees.

The Ocean Parkway, the Eastern Parkway Extension, and the small parks received many young trees to fill up vacant spaces. All newly planted trees and shrubs were regularly cultivated, watered and cared for.

Spraying.

June, July and August were given over to spraying. The Tussock moth, as usual, was abundant, especially in some of the parks. Prospect Park, Fort Green Park, Ocean Parkway, Eastern Parkway, and in most all the small parks and gores, the trees were sprayed. The ravages caused by caterpillars were very slight.

Spraying was continued during September and October, owing to an epidemic of the Fall web worm. Considerable lime sulphur, kerosene emulsion and scalcide were used during the Fall spraying in Prospect Park.

Late Planting.

During November and December considerable planting, especially in Prospect Park and Ocean Parkway, was carried on. Over 550 small oaks were set out on Lookout Hill. Sugar maples of medium size were planted at the Main Entrance and in the vicinity of Payne Monument; also on mounds east of Croquet Shelter. Varnish trees and Blue Beech were set out at the new bridge in Valley Grove.

The surface of filled-in ground, known as Duck Pond, was in an unsightly condition and to make it more attractive we set out upward of 265 varieties of Lilac, Cotoneaster and other species, in beds especially prepared.

The Ocean Parkway.

The trees are deteriorating rapidly. Poor soil and fertility are the principal causes. The past Fall 98 American elms located between Park Circle and Prospect avenue were resoiled, each tree receiving over two cubic yards of fresh garden mould and compost mixture. The labor and material cost was about \$636.25; about \$6.50 per tree.

Saratoga Park.

The Oriental plane trees were dying off. Four died and the rest were in poor condition. We headed back the trees and the reduction will enable the roots to supply enough sap and add new life to the trees.

Trees and shrubs, as follows, were received and set out:

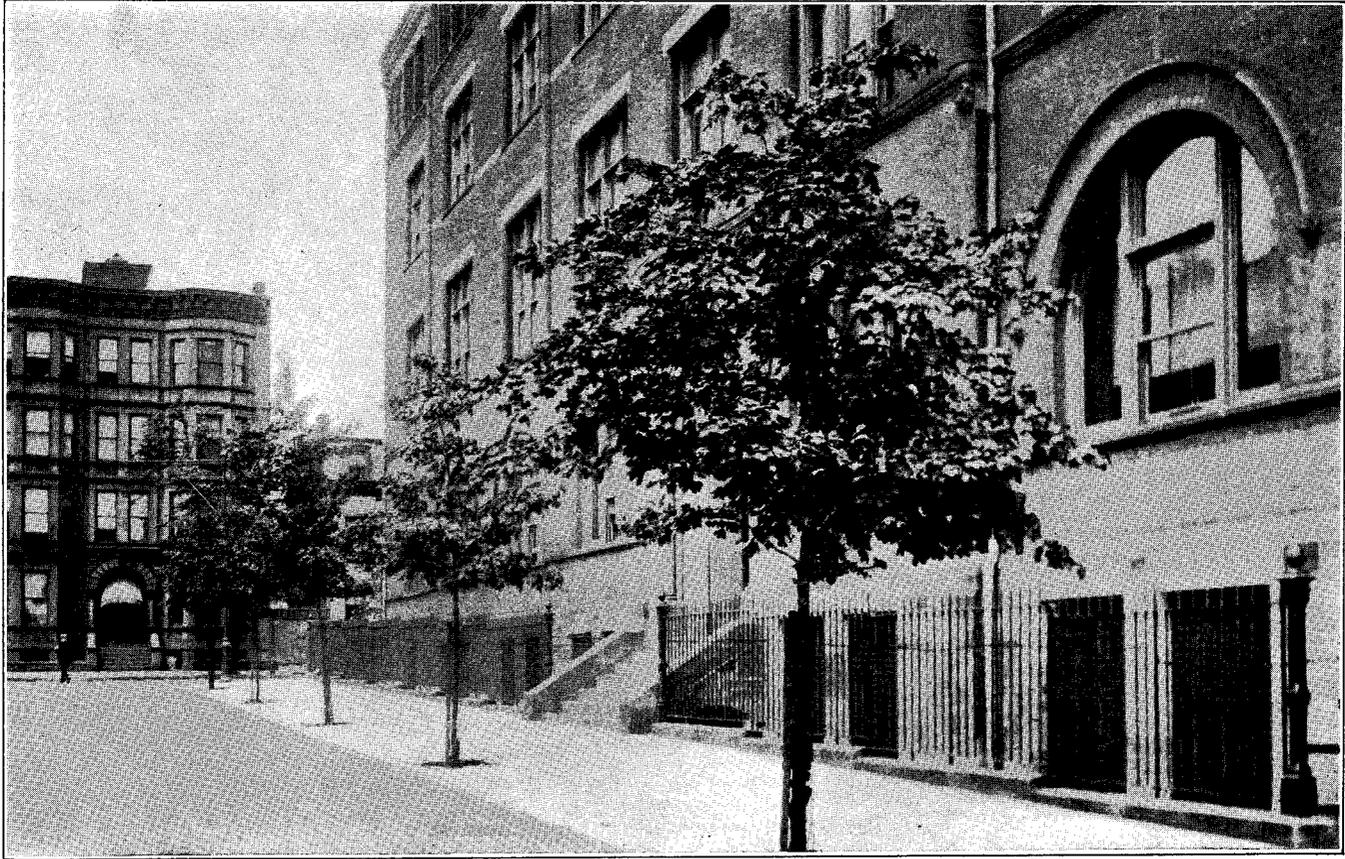
Spring Planting.

Bloodgood Nursery.

Trees	881
Shrubs	1,200
Rhododendrons	800

D. Hill Nursery.

Austrian Pines	400
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Street Tree Planting—Four-Year-Old Norway Maples.

Meehan Nursery.

Trees	153
Shrubs	400

Fall Planting.

Cedar Hill Nurseries, Brookville, L. I.

Deciduous and Evergreen shrubs	266
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Queens Park Department.

Small oak trees	550
Large trees of different varieties	172

Shrubs and ground cover plants propagated in our own nursery:

Shrubs	2,580
Ground cover plants	8,750

Total number of trees, shrubs and ground cover plants set during the year are as follows:

Deciduous and evergreen trees.....	2,156
Deciduous and evergreen shrubs.....	4,846
Ground cover plants	8,750
Making a grand total of.....	15,752

SUMMARY OF WORK FOR YEAR 1919.

Trees pruned	5,651
Trees removed	2,034
Trees brushed	1,483
Trees staked and wired.....	642
Trees planted	2,575
Trees transplanted	26
Trees straightened	293
Trees sprayed	28,414
Trees cultivated	6,306
Tree guards repaired	1,524
Tree wounds tarred	63
Shrubs pruned	20,834
Shrubs removed	1,186
Shrubs transplanted	1,486
Shrubs planted	5,703
Shrubs sprayed	6,504
Shrubs cultivated	16,217
Vines planted	8,750
Vines pruned	2,600
Sods cut and laid	9,695
Loads of top soil spread.....	362
Renewed top soil around trees.....	196
Compost loads spread	989

CITY STREET TREES.

The work of planting trees has gone on to a greater extent than ever before. The demand for trees to commemorate the Great War has required a great deal of attention. Hundreds of trees have been planted as a memorial to soldiers who died in the war, and most of the trees have flourished. The species generally used have been Norway Maple and Oriental Plane.

The caterpillars were kept well in check, our equipment giving good results. The equipment and men would have to be greatly increased if the Borough was to be properly cared for. There is only a short season when work can be done to advantage, and high power machines cover the work.

Removing dead trees and trimming work have been greatly delayed owing to other uses of our force of men. A great many live trees have been removed where new trees were to be planted, and this work has reduced greatly the amount of time that could be devoted to trimming, etc. It is suggested that a charge be made for such work in the future.

SUMMARY OF WORK FOR YEAR 1919.

Trimmed	6,382	
Removed	1,101	
Scraped	2,690	
Sprayed	23,710	
Cultivated	10,329	
Watered	4,711	
Straightened	1,305	
Guards repaired	4,201	
Transplanted	8	
Dressed	423	
Walks cut	506	
Holes dug	1,922	
New Plantings.		
Norway Maples	1,376	
Plane Trees	476	
Others	24	
		1,876
Replacings.		
Norway Maples	187	
Plane trees	967	
Others	2	
		1,156
Grand Total		3,032

HORTICULTURAL SECTION.

Nursery.

The nursery in Prospect Park at Lincoln road entrance was the scene of great activity. Nearly all of the deciduous and evergreen shrubs which had been temporarily transplanted from Bay Ridge Parkway Nursery were taken up and set out in a new nursery section established in old Duck Pond, Prospect Park. This was necessary in order to make room for additional propagation area.

The model back yard garden which has now become an established feature of the nursery was again this year greatly visited by the public, and general information and instructions were given to amateur gardeners in regard to laying out and caring for home vegetable and flower gardens.

The nursery gardening forces raised thousands of plants and set them out in flower gardens and beds in Prospect Park and the smaller parks and playgrounds.

The farm gardens in Fort Greene Park, McCarren Park, Highland Park and Betsy Head Playground were ploughed, top soiled and fertilized, and the small boys and girls, who individually cares for his or her plot, were instructed in their work throughout the season with the result that at harvest time the amount of vegetables raised was well worth the labor and attention.

The nursery grew and set out over 300,000 plants, the following being the more important varieties:

English ivy—frame propagated.....	20,000
Bedding plants	130,000
Herbaceous plants	35,000
Tulips	30,000
Annual plants	15,000
Evergreens	1,000
Golden privet	6,000
Flowering plants	10,000
Flowering shrubs	30,000
Chrysanthemums	2,000
Enonymus—frame propagated	8,000



Harvesting Crops—Betsy Head Children's Farm Gardens.

Greenhouses

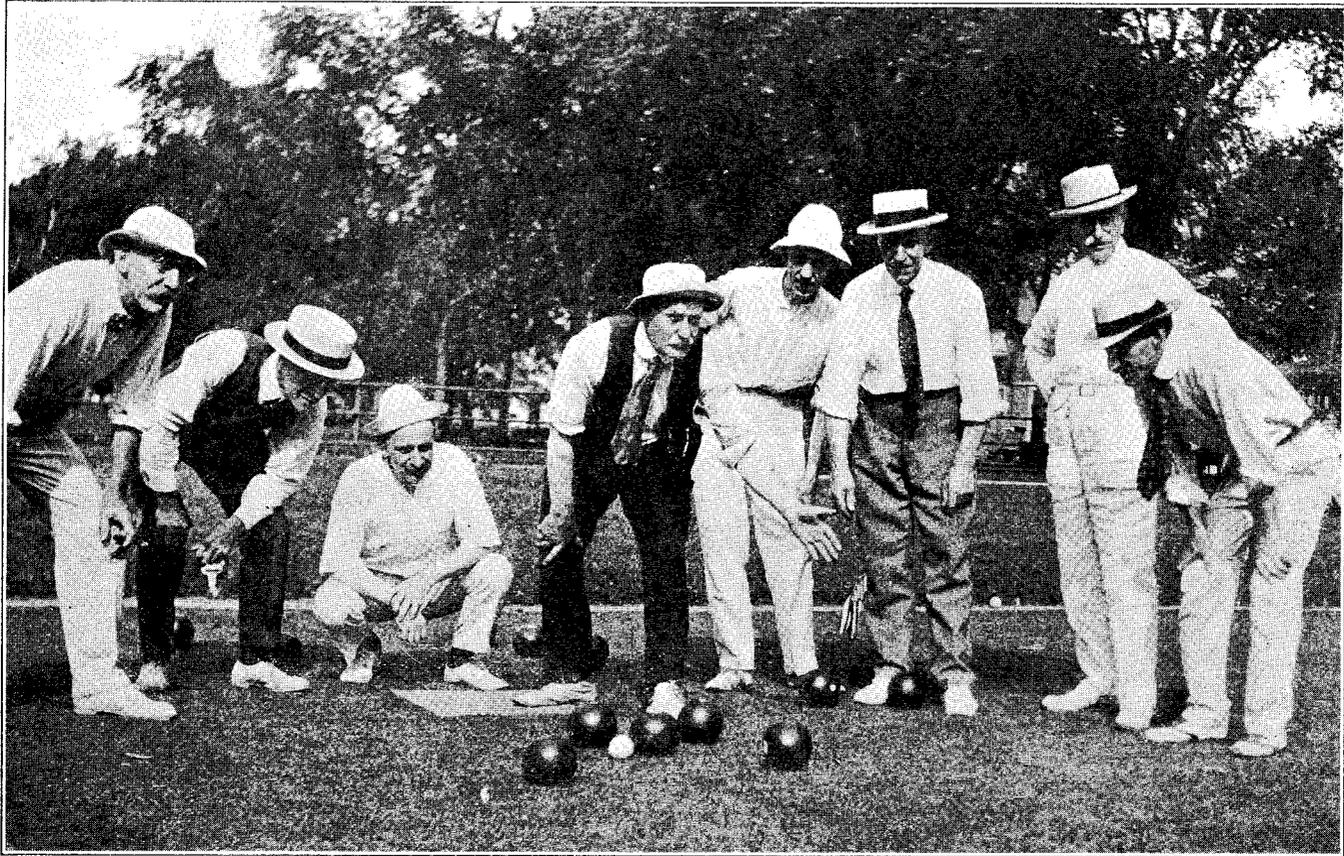
The greenhouse work of fumigating, watering, washing and spraying plants, as well as cutting and potting plants was satisfactorily carried out.

The floral displays at Easter time, Christmas season, at the chrysanthemum show and azalea display were equal to those of previous seasons. The azaleas and chrysanthemums were awarded prizes at the floral exhibitions.

Our collection of valuable and rare plants was augmented again by donations to the greenhouses. The number of cold frames for outside propagating was increased and the outside bedding area enlarged.

The number of visitors to the greenhouses was in excess of 80,000. Upwards of 20,000 farm garden plants and 125,000 flowering plants were grown.

Considerable attention was given by the public to plants of rare species, and a number of photographs of some of the most beautiful specimens were published in the daily papers.



Parade Grounds—Bowling-on-the-Green.

RECREATIONAL SECTION.
FACILITIES FOR ACTIVE RECREATION.

PARKS.				
Name.	Acreage.	Location.	Description.	
Amersfort Park .....	.50	Ave. J, E. 38th St.....	Tennis Courts	
Bay Ridge Parkway		6th Ave. & 67th St.....	Hockey Field	
Betsy Head Playground	10.50	Blake, Hopkinson & Dumont Avenues...	Girls' Playground with wading basin; Boys' Athletic Field & Track; Tennis Courts, Shower Baths and Swimming Pool.	
Bushwick Playground	2.80	Putnam, Irving & Knickerbocker Aves...	Boys' & Girls' Playground, Wading Pool.	
City Park		Flushing Ave., Navy St.....	Boys' & Girls' Playground.	
Cooper Park .....	.15	Maspeth Ave. & Olive Street	Tennis Courts.	
Dreamland Beach	14.70	Coney Island	Bathing—Children's Day Camp.	
Fort Greene Park	3.00	Myrtle Ave. & St. Edwards St.....	Boys' & Girls' Playground	
Fort Hamilton Park	40.00	Ft. Hamilton Parkway & Shore Road....	Tennis Baseball, Picnics.	
Highland Park	18.50	Jamaica Ave. & Cleveland St.	Tennis Courts, Baseball Diamonds, Football Field.	
McCarren Park	38.42	Lorimer St. & Driggs Avenue	Boys' & Girls' Playground, Baseball Fields. Girls' Playground & Social Centre, Tennis Courts, Baseball Diamonds, Football Fields.	
McKibben Playground	1.37	McKibben, Siegel & White Streets.....	Boys' & Girls' Playground Baseball Fields..	
McKinley Park	3.00	7th Ave. & 76th St.....	Baseball & Football Field, Tennis Courts.	
McLaughlin Playground	3.30	Bridge, Jay & Tillary St.....	Boys' & Girls' Playgrounds.	
New Lots Playground	2.29	Sackman & Christopher Streets.....	Boys' & Girls' Playgrounds.	
Prospect Park	3 miles	Cross Country Course		
	12.50	Croquet Field		
	8.00	Hockey Field		
	10.00	Picnic Grounds		
	34.00	Tennis Courts		
	3.7 miles	Bridle Path		
	62.00	Lakes	Boating & Skating.	
	39.50	Parade Grounds, Coney Island & Parkside Avenues	Baseball Diamonds, Bowling on the Green Cricket Fields, Football Fields.	
Red Hook Playground	2.29	Dwight, Richards & Pioneer Sts.	Boys' & Girls' Playgrounds.	
Sunset Park .....	.20	5th Ave. & 44th St.	Tennis Courts.	
Williamsburg Playground	2.00	South 5th St. & Wythe Avenue	Boys' & Girls' Playgrounds.	

PLAYGROUND OPERATED ON PROPERTY LOANED TO DEPARTMENT.

Name.	Acreage.	Location.	Description.
Bushwick H. S., A. F.		Putnam, Irving & Knickerbocker Aves...	Baseball and Football Field.

RECREATION PIER.

Metropolitan Avenue	Foot of Metropolitan Avenue
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CHILDREN'S FARM GARDENS.

Betsy Head Playground	Blake, Hopkinson & Dumont Aves.
McCarren Park	Lorimer St. & Driggs Avenue
Highland Park	Jamaica Ave. & Cleveland St.
Fort Greene Park	Myrtle Ave. & St. Edwards St.

ACTIVE RECREATION.

The playgrounds, the tennis courts and baseball diamonds at the Parade Ground, Highland Park and McCarren Park, and the croquet, cricket and hockey fields in Prospect Park were used to a much greater extent.

Band concerts and motion pictures were features enjoyed by thousands in many of the parks.

This department has arranged tournaments of various kinds in outdoor sports. The facilities for recreation were maintained in the best possible condition and constant efforts were made to promote their usefulness.

Our big need in Brooklyn at the present time is more playgrounds in many sections of the city. Children and grownups have to travel more than a mile before they reach a park or playground.

I would recommend that efforts be made to secure playgrounds for these neglected sections. There are numerous demands for permits from baseball teams which we are at present unable to accommodate.

Staff.

The activities of the Recreation Bureau were carried on during the past year by the following employees:

- 1 supervisor of recreation.
- 14 permanent playleaders.
- 39 temporary playleaders.
- 2 farm garden directors.
- 6 school farm attendants.
- 3 swimming instructors.

Apparatus.

The following new apparatus was placed in a playground set aside for children at the Picnic Grounds:

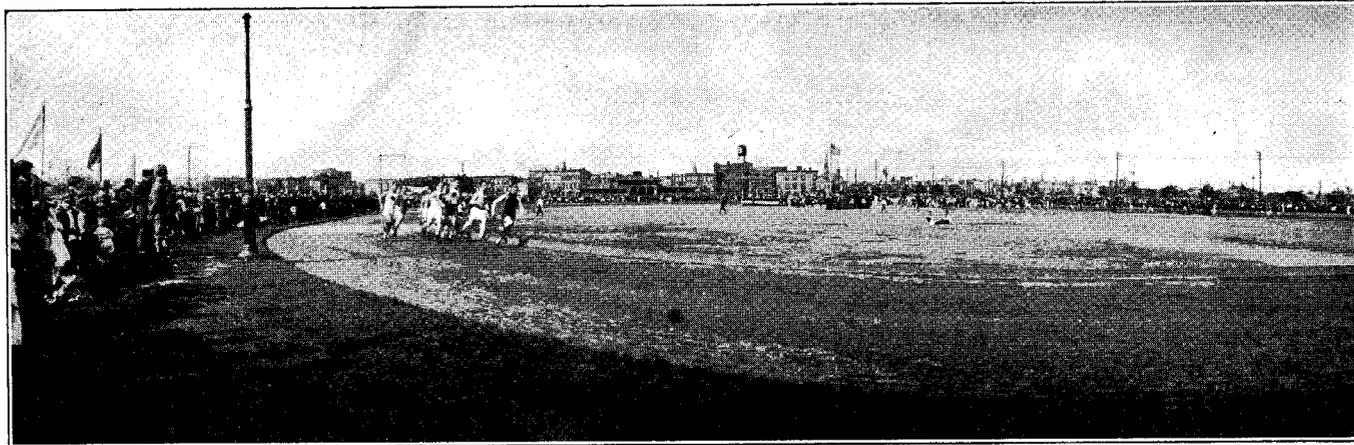
- 12 see-saws.
- 2 giant strides.
- 12 large swings.

Athletics.

The two quarter-mile running tracks at Betsy Head Playground and McCarren Park were used considerably by a number of athletic organizations and for many field days of the Public Schools' Athletic League. On July 4th 5,000 children were entered in athletic games held in nine playgrounds conducted by this department. The Fall Athletic Championships, in which about 800 boys were entered, were held at Betsy Head Playground on Labor Day. Several girls' high schools of Brooklyn held athletic meets at Long Meadow in Prospect Park.

Baseball.

The twenty-one baseball diamonds at the Parade Grounds were used to capacity. Many leagues from churches, Y. M. C. A.'s and commercial



McCarran Park Playground—Boys' Spring Athletic Championships.

houses held tournaments. The diamonds at Highland Park, McCarren and McKinley parks were used continuously. All the diamonds were open until 8 each evening.

Basketball.

Basketball was played to a very large extent. Each playground has at least one basketball court.

Bathing.

The beach at Dreamland Park provided bathing facilities for 20,000 people on some Saturdays and Sundays during July and August.

Boating.

Several hundred boats are used at the big lake in Prospect Park. A charge of 25 cents per hour is made.

Bowling on the Green.

Bowling on the green lawns were the scenes of many interesting games between Brooklyn teams and teams from out of town.

Coasting.

Provisions were made for coasting in Prospect Park and several smaller parks. This form of recreation was enjoyed by thousands throughout the winter season.

Cricket.

About twelve cricket teams played throughout the season on the cricket field on the Parade Grounds.

Croquet.

This game was played principally by adults. About one hundred and fifty permits for lockers at 50 cents each were issued.

Cross Country Running.

The high schools of Brooklyn made use of the cross country course laid out in Prospect Park.

Field Hockey.

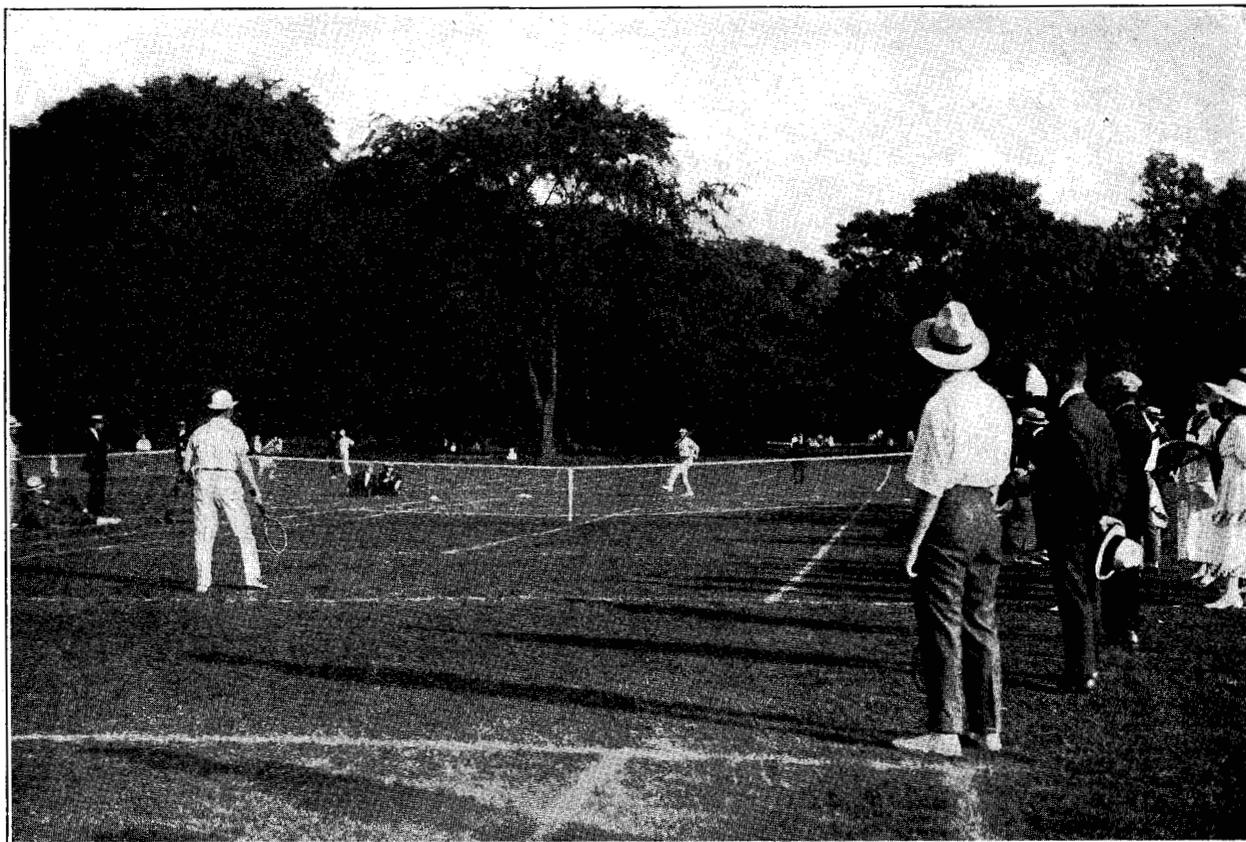
The girls' high schools of Brooklyn used the four hockey fields in Prospect Park during the spring and fall.

Foot Ball.

This strenuous fall game was played both in rugby and soccer styles at the Parade Grounds. Our baseball fields were converted into about ten excellent gridirons. Seventy teams made use of the field throughout the season. Fields were also laid out in McCarren and Highland parks.

Golf.

By arrangement with the Marine and Field Club we were permitted to issue golf permits for use of their golf course at Dyker Beach. In exchange



Prospect Park—One of the 300 Tennis Courts.

this department granted use of sufficient property for the Marine and Field Club to place three holes. Four hundred permits were issued. The bearers paid the same fees as guests of club members.

Ice Skating.

In addition to Prospect Park, provisions were made at the following places: Bushwick Playground, Dyker Beach Park, Fort Greene Park, Highland Park, McKinley Park and Sunset Park.

Lacrosse.

A field was laid out in Prospect Park and used by the Boys' High, Manual Training High and Erasmus Hall High schools.

Lawn Tennis.

This department, no doubt, has as many courts as any city in the country. Three hundred and seventy-four courts are distributed throughout various parks, as follows: 300 are on the lawns of Prospect Park and the balance are clay courts, as follows: Highland Park, 28; McCarren Park, 16; McKinley Park, 6; Betsy Head Playground, 6; Sunset Park, 4; the others are distributed in our children's playgrounds. Tennis tournaments were held in which about 300 adults competed. An entry fee of 25 cents per person was charged and provided funds for the purchase of medals for the winners.

Miniature Yachting.

This sport was enjoyed by many adults in Prospect Park. A charge of \$1 is made for storing model yachts in the Miniature Yacht House. About one hundred of these miniature vessels were stored.

Skiing.

Many young boys and adults made use of the hills in Prospect Park during the winter.

Swimming.

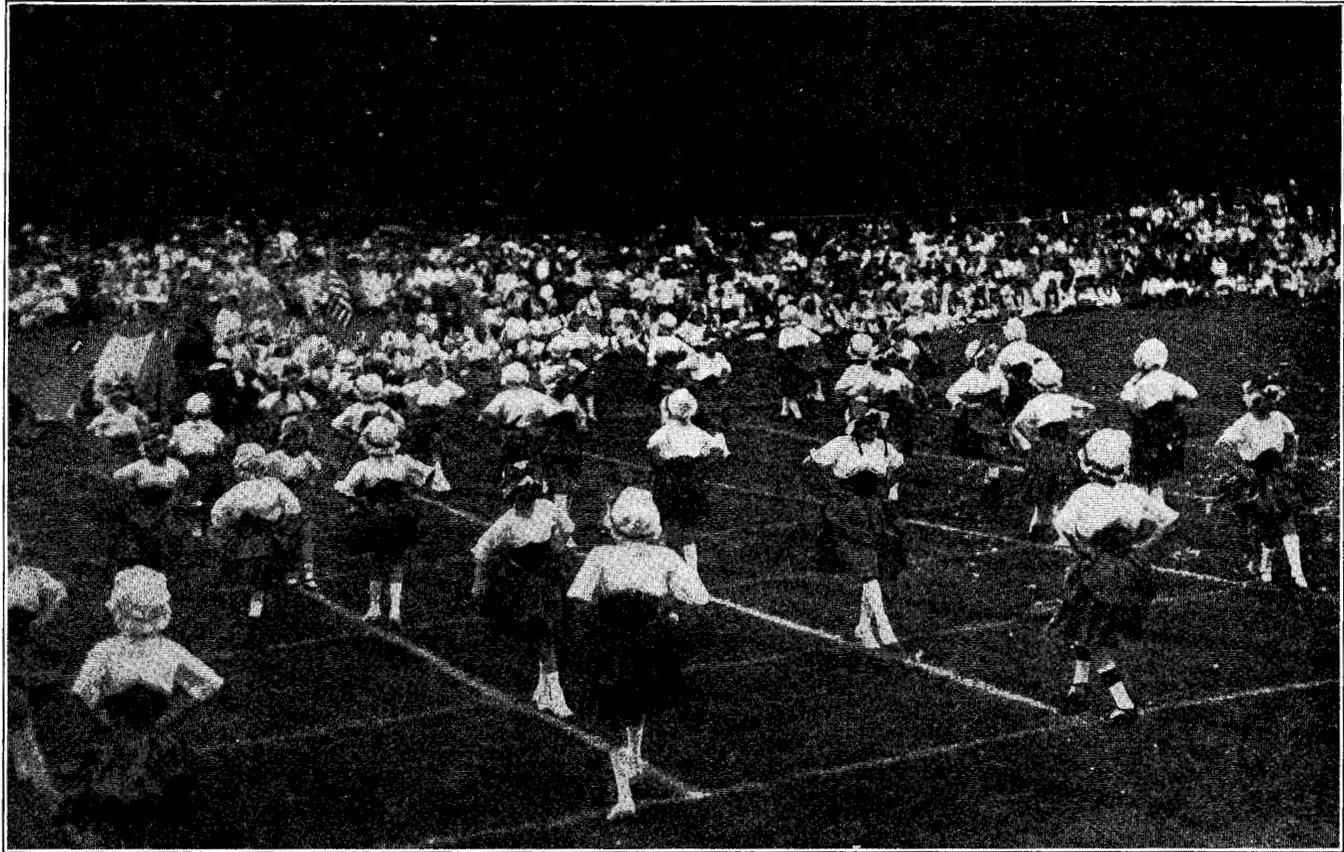
The outdoor swimming pool at Betsy Head Playground, 60 feet wide and 150 feet long, accommodated 43,262. A bathing suit, soap and towel were provided to adults for 10 cents and to children for 7 cents. The 28 shower baths at the Betsy Head bath were used by 458,721 persons during the year. Three swimming instructors were employed to do life guard duty and give instruction in swimming to the patrons.

Walking.

Walking clubs were organized in a number of our playgrounds. The American Walkers' Association held several walking contests on Ocean Parkway.

Playground Celebrations.

All holidays throughout the year were observed. Special programs were arranged and consisted principally of recitations, singing, folk dancing,



The Irish Jig—Playground, Children's Patriotic Pageant, Long Meadow, Prospect Park.

drills and playground games. The special feature of these celebrations was the baby parades we have in our playgrounds every spring. About 1,500 mothers enter their babies. Committees of local citizens were selected by the playground instructors to act as judges and award the prizes donated by people interested in playground work.

Annual Field Day.

On August 23d about 2,000 children from playgrounds held their Annual Field Day on Long Meadow in Prospect Park. The girls participated in folk dances taught them in the playgrounds and were dressed in costumes representing different nations. The boys participated in flag drills, Indian club swinging, dumb-bell drills and mimetic drills.

Special Celebrations.

This department co-operated with many organizations by furnishing band stands, roping off sections of the parks and furnishing benches. The following are some with whom we co-operated: The Pioneers of America, Public School Athletic League, Sunday School League (Anniversary Day), Kings County Historical Society, Young Women's Christian Association, War Veterans' and Sons' Association, Kindergarten Association of Brooklyn, Central Federated Labor Union, Children's Museum, Old South Brooklyn Civic League, United Spanish War Veterans, Stuyvesant Neighborhood House, War Camp Community Service. On July 4th this department assisted the residents of about thirty sections of Brooklyn.

Dreamland Beach Day Camp.

Permits were issued to the following nurseries:

Chelsea Day Nursery, District Nursing Committee, Association for Improving Condition of Poor, Bryson Day Nursery, New York Female Auxiliary Bible Society, Warren Goddard House, St. Cecelia's Day Nursery Association, The Little Mothers' Aid Association, The Catholic Settlement Association, Manhattan Maternity and Dispensary, Knickerbocker Avenue M. E. Church, Flatbush Boys' Club, Brooklyn City Mission, Allen A. M. E. Church, Virginia Osborn Memorial

Hundreds of children made use of the baby hammocks and tents arranged on the beach.

Children's Farm Gardens.

Farm gardens were conducted at Betsy Head Playground, Fort Greene Park, Highland Park and McCarren Park. About 1,000 plots, 4 feet by 9 feet, are laid out in these gardens, which are planted by children of the neighborhood, who receive instructions in the proper method of planting and growing vegetables from the farm garden instructors. Two plantings are made each year. Different children are assigned for each planting. After the vegetables have matured the children are permitted to take them home.



Prospect Park Croquet Grounds.

Music.

During the concert season, June 1st until October 5th, 57 concerts were held. These concerts were rendered in twelve parks and were attended by 157,200. Volunteer concerts were given in Prospect Park by the Morse Dry Dock Band, Todd Ship Yard Band and the International Music Festival Chorus.

The eighteen Mayor Hylan People's Concerts rendered by the Police Department Band, New York Symphony Society Orchestra and the New York Military Band were enjoyed by approximately 40,000 people. Many high-class artists rendered solos at the concerts given by the committee.

Motion Pictures.

Motion picture entertainments were given at the following parks: Sunset, Carroll, Fort Greene, McLaughlin, McCarren, Winthrop, Tompkins, Saratoga, Betsy Head and Highland. Two entertainments were given at each park and were attended by about 50,000.

ENGINEERING SECTION.

General.

Great effort was made during the year to secure sufficient funds to put into effect the Department's policy of advancing the work of paving all parkways with a permanent type of pavement, such as sheet asphalt on a concrete foundation. The pavements to be replaced aggregate over 850,000 square yards in area and are mostly of the oil surface macadam and gravel type, which have long outlived their service periods and are entirely unsuitable for present-day automobile traffic.

The most important parkways and sections of same where traffic has been increasing at a very rapid rate during the last few years and where present roadway conditions are such as to make their repaving most urgent, have been given preference in the repaving programme.

Approximately one-half a million dollars has already been secured from the Board of Estimate and Apportionment for our permanent pavement work. This amount will be expended upon Park Circle at Ocean Parkway entrance; on the East Drive, Prospect Park, the heavy traffic road on Ocean Parkway and for its full width from Avenue "W" to Coney Island Creek Bridge.

Park Circle Improvement.

The inner circumferential roadway including the pavement at the Park entrance is a waterbound broken stone pavement, surfaced with cold liquid tar. This roadway on account of location at Ocean Parkway and Coney Island avenue at an entrance to Prospect Park is subjected to such heavy traffic, by pleasure vehicles, automobiles and heavy business trucks, that it cannot be satisfactorily maintained as a temporary pavement.

The roadway area was surveyed, cross sections and profile plotted, plans drawn, estimates of quantities made up, specifications written and contracts prepared for advertisement.

Bids were opened on August 28, 1919, and after securing additional funds to provide for increased cost of labor and material, the contract was awarded on November 3, 1919, to the Uvalde Asphalt Paving Company, New York City, for \$27,602.50.

The items of work included are 5,900 square yards of sheet asphalt pavement, 1,600 cubic yards of regulating and grading, 990 cubic yards of concrete foundation and 30 square yards of brick gutters on concrete foundation.

East Drive, Prospect Park Improvement.

The East Drive has practically become the highway for automobile traffic between downtown Brooklyn and Flatbush. The old gravel pavement surfaced with asphalt oil could not withstand the severe wear and tear, and its cost of upkeep in labor and materials was practically prohibitive.

Funds of \$99,000 were provided for repaving. A repaving survey was made from the main entrance at Prospect Park Plaza to Lincoln Road entrance. Cross sections and profiles were plotted, plans drawn, estimate of quantities made up, specifications written and contracts prepared for advertisement under date of August 18, 1919. The bids were opened on August 28, 1919, and the lowest bid was approximately \$28,000 in excess of appropriation. Additional funds were secured and the contract readvertised. The bids were opened on December 24, 1919, and the contract awarded to the Brooklyn Alcatraz Asphalt Company, Brooklyn, for \$127,011.25.

Work will start in 1920 and include:

Regulating and grading 10,808 cubic yards, concrete for pavement foundation 4,119 cubic yards, sheet asphalt pavement 24,175 square yards, new brick gutters on concrete foundation 550 square yards.

Traffic Road, Ocean Parkway Improvement.

The road from Kings Highway to Coney Island is an unsurfaced water-bound broken stone pavement in very bad condition. But a very small amount yearly has been spent upon it, as satisfactory repairs could not be made.

The Board of Estimate and Apportionment appropriated \$150,000. The survey is now in progress and cross sections and profile are being plotted. The specifications are nearly completed.

Ocean Parkway, Avenue "W" to Coney Island Creek Bridge Improvement.

For its full width of 210 feet comprising the main roadway, two cycle paths, bridle road, traffic road and sidewalks, from Avenue "W" to Coney

Island Creek Bridge is from one to three feet below the legal grade, and is very slightly above mean high water level, which results in the foundations of the roadways and walks being continually saturated, thereby causing numerous settlements and generally bad condition.

Two hundred and five thousand dollars has been appropriated for this improvement. The work will comprise filling in low areas and raising grades to the legal requirements; reconstruction of all surfaces to their present lines and uses and construction of a permanent sheet asphalt pavement on the main and the traffic roadway.

Considerable difficulty has been encountered in securing sufficient engineering help to get the preliminary work for this improvement under way, but it is expected that the surveying work will be started and plans, specifications and contracts completed in time to finish the improvement during 1920.

City Park Restoration.

City Park, at Park avenue and St. Edwards street, was transferred to the Navy Department for use and occupancy during the war. The park was converted into a Navy cantonment and barracks and other service buildings constructed.

Upon cessation of hostilities the Navy Department was requested to retransfer the park property.

Prior to retransfer, a complete surface and subsurface survey of existing conditions of park buildings, fences, and other structures, walks, lawns, shrubbery, trees, plantations, lighting fixtures, irrigation and drainage systems, was made by the Engineering Bureau of this Department regarding damages to be defrayed by the Navy Department to restore the park to its previous good condition.

An original agreement of \$12,869.26 and a supplementary agreement of \$2,798.00 to be paid the Park Department were drawn up, approved by the Corporation Counsel and Sinking Fund Commission and executed and accepted by the Navy Department.

Arrangements are now being made for relaying the park to its original lines and grades and for restoration of all parking features.

Williamsburg Playground.

The Board of Estimate and Apportionment on April 23, 1919, appropriated \$30,000 for development of a park and playground in the congested section of Williamsburg bounded by Lorimer street, Johnson avenue, Leonard street and Boerum street.

The playground design and estimate for appropriation have been prepared, but further progress was stopped temporarily on May 20, 1919, by the Sinking Fund Commission withholding its approval of the removal of the existing buildings, which housed numerous families.

It is now believed that housing conditions have sufficiently improved to permit cleaning the site surveyed in 1920.

Dyker Beach Park.

The filling in of the swamp lands started last year was temporarily suspended owing to lack of available free supply of filling material. The material was secured from, and was being hauled, deposited and rough graded to the future park levels by the Federal Government contractors, without cost to the city. This operation effected a great saving.

Over 300,000 cubic yards were deposited, starting from the upland side of the swamp and progressing toward the beach side, uniformly for the full width of the swamp area.

The old timber bridge was removed and its site filled in and a temporary roadway constructed. This resulted in a saving of \$15,000, as the condition of the bridge was such as to require an expenditure of approximately that amount.

Approximately 9 acres of swamp land were reclaimed which are at an elevation of over 6 feet above mean high water level.

Removal of Old Timber Pier and Jetties, Dreamland Beach.

The old wooden pier and timber jetties which remained after the great Dreamland fire in a very much damaged and dangerous condition had been contracted for removal before the war.

Work was again started and sufficient floating equipment secured to carry it to completion. All piles and subsurface construction, as well as the superstructure, were removed and the area swept for a thousand feet from the shore. The cost of this work was \$2,990.00.

Removal of Iron Steamboat Pier, Dreamland Beach.

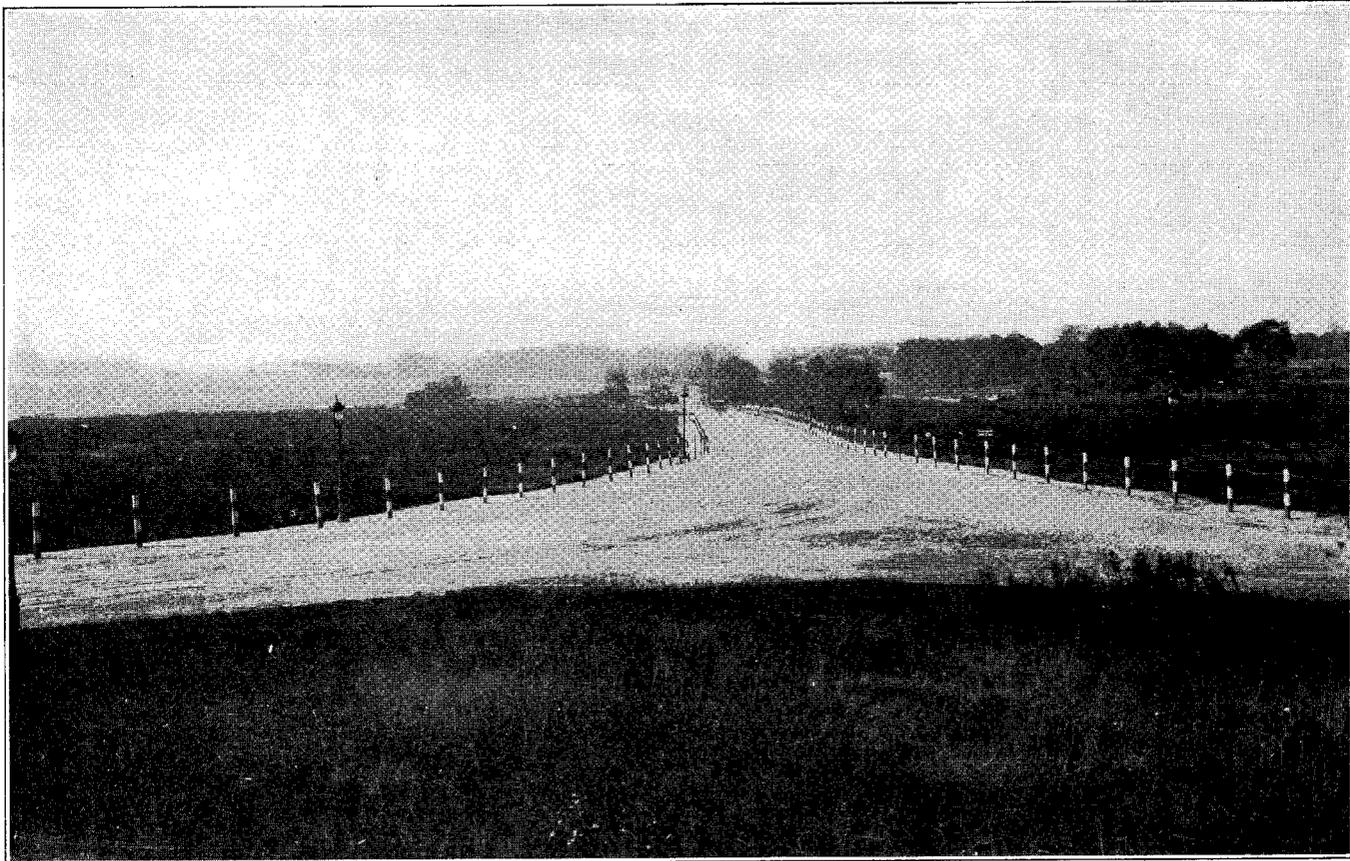
The removal of the old iron steamboat pier which also was in a dangerous condition was started in 1918 and completed. The removal entirely clears the park, beach and waterfront and makes it safe for bathing.

The cost of the work was \$6,493.00.

Small Children's Playground, Prospect Park.

A playground was laid out opposite the Fifth street entrance between the West Drive and the new casino facing a walk to the carrousel. The ground was staked and regulated, playground apparatus erected and an attendant provided.

On account of its closeness to the picnic grounds, the purveying booth at Casino and carrousel was in active demand.



Temporary Roadway Across Newly Made Land at Dyker Beach Park, Replacing Old Timber Bridge Across Swamp.

**Survey of New Sheepfold,
Prospect Park.**

The old sheepfold was very badly deteriorated and further repairs would have been futile. A new and more appropriate site, considering the natural direction of the expansion of the menagerie, was selected. A survey was made, grades computed and the site staked out for excavating, filling and construction purposes. The building designs, layout and construction work were carried out by the mechanical forces.

The new structure, including concrete yards, walks, coping and fences, which is entirely up to date, sanitary throughout and of pleasing lines, completes a necessary improvement and adds considerably to the appearance of that section.

**Reclamation of Coney Island Water Front
Property, Fronting on Parkway
Baths Property.**

The proceedings for acquirement of water front property for park purposes at Coney Island under laws of 1874 and 1875 were completed in 1876 and vesting of title in the County of Kings confirmed the same year.

In the property acquired was land bounded by the center line of Ocean Parkway on the west, a line 1,000 feet north of mean high water line on the north, a line approximately 1,500 feet east of the center line of Ocean Parkway on the east and the mean high water line on the south; comprising nearly 35 acres at the most valuable location on Coney Island.

Due to the fact that the north and south boundaries of this property referred to the mean high water line and that the location of mean high water line was variable and continually changing according to erosion of the beach by the sea or the building out of the beach by accumulation of sand deposits, considerable confusion developed and some uncertainty as to its exact location. A resurvey, however, in later years seems to have definitely re-established the property location beyond a reasonable doubt.

The changing of mean high water line by natural or other causes, the greater part of the city property became inundated and the ocean approached the frontage of private upland property now occupied by the Parkway Baths, which previously had no water frontage.

Litigation ensued and as a result the Land Commissioners at Albany made a temporary grant of the city property to private owners with a time limit for reclamation by the city. This gave the private owners free use of the ocean front, the city property being inundated, or partly so.

The time limit of said grant is soon to expire and in order that this very valuable property may not be lost to the city a complete and comprehensive report of the entire proceeding was prepared and forwarded to the Board of Estimate and Apportionment for consideration, with the request that immediate action be taken through the legal department of the city

and that sufficient funds be provided to permit this department to reclaim this land and protect the city's interest in the premises.

**Reinforced Concrete Coal Cellar,
Brooklyn Botanic Garden.**

The Board of Estimate and Apportionment appropriated \$5,000 for construction of a reinforced concrete addition urgently required for storage of a larger coal supply for plant operation.

Difficulty was encountered by the Botanic Garden officials in having plans and specifications prepared, so the work was taken over by this Department. A survey was made, estimate, plans, specifications and contract prepared and forwarded to the Board of Estimate and Apportionment for approval.

It is expected that construction work will be started and completed under direction of this Department in the Spring of 1920.

**Transfer of Small Section of Shore
Road Property to Dock Department.**

Owing to the necessity of meeting conditions introduced by the war and provided for by act of State Legislature, a small section along the waterfront from Bay Ridge avenue to the northerly property line was released to the Sinking Fund for transfer to the Dock Department.

The survey, preparation of plans, reports and resolutions were provided by this Department.

Department Motorization.

Practically all transportation facilities of the Department, with exception of our stable teams, were hired horse-drawn trucks and carts. The expenditures for these items during 1919 totalled approximately \$55,000. For the same equipment for 1920 at the increase in cost for truck and cart it would have required an outlay of about \$75,000, no part of which expenditure represented an investment or gave other returns than services rendered.

It was obvious that this method of transportation, with exception of a few particular operations, was antiquated, wasteful and not conducive to efficient management. The motorizing of the Department was taken up with the Board of Estimate and Apportionment and authority was secured for proceeding with same as part of the 1920 budget.

A careful study was made and a motorization programme prepared in detail; it took into consideration all lines of the Department's activities, and made comparison between the operation of horse-drawn trucks and motor trucks for each Bureau, for each month. It comprised the cost of purchasing the necessary number of motor vehicles to replace horse-drawn vehicles, the annual outlay for supplies and equipment, the wages for auto truck drivers and the resulting financial condition of a six-year period, the estimated length of service of auto equipment.

The results showed the changes would be advantageous and cause a saving for the first year of over \$25,000, including the value of vehicles purchased, and over \$130,000 in the six-year period.

The motorization programme was adopted by the Board of Estimate and Apportionment and made part of 1920 budget.

Specifications, contract and advertisements were prepared for securing motor equipment through public bidding.

Free Ice for Brooklyn's Poor, Mayor's Ice Committee.

On July 17, 1919, the Brooklyn Branch of the Mayor's Ice Committee was transferred to the Park Commissioner and the work detailed to this Bureau. At that time there were but five distributing stations in operation, practically no working material available and no definite plan of operation outlined for the work.

Immediate consideration was given and every effort made to advance the work as rapidly as possible, with the result that on July 18th eight stations were in operation; on July 19th, eleven; July 24th, fourteen, and by August 4th there were thirty-six stations in full operation. The work continued until August 30, 1919, when all stations were closed for the season.

About 92,200 twenty-pound pieces of ice, approximately 922 tons, were distributed. The total cost per piece of ice distributed including operation, clerks, station attendants, trackage, cost of ice, etc., was 6 9/10 cents, whereas the same size piece of ice was then selling for about 20 cents.

All distributing stations were located in the poorest sections of Brooklyn and in order to prevent abuse it was distributed by means of ice coupon books, individual tickets were detached for each piece of ice received. The families receiving coupon books were investigated as to their need for same.

The active co-operation of church workers of all denominations, religious societies, fraternal orders, civic societies, Board of Education, Health Department and Charities Department made possible rapid carrying on of the work.

Voluntary contributions were received from a number of persons and business organizations of Brooklyn, and daily donations of large quantities of ice were made by ice and brewing companies of the borough.

Maintenance Roadway Repairs, To Permanent Pavements.

Repairs were made to all permanent pavements of sheet asphalt, asphalt block and brick or concrete foundations, on Eastern Parkway, Ocean Parkway, Parkside avenue, Prospect Park plaza and Pennsylvania avenue. The work was carried out by the Highway Bureau of the Borough President's Office and cost approximately \$16,000, which comprised 30,000 square yards of surface repairs and 200 cubic yards of foundation repairs. The work of locating, inspecting and measuring repairs was cared for by this department.



One of Mayor Hylan's Free Ice Distributing Stations.

Repairs to Permanent Roadway Pavements Under Guarantee.

The permanent pavements on Fort Hamilton avenue and the Coney Island Concourse were repaired without cost to the city under the 5-year guarantee provided in the construction contracts.

Other pavements still under guarantee, such as Eastern Parkway Extension, Prospect Park Plaza North and Plaza street were not in need of repairs.

Maintenance Roadway Repair To Temporary Pavements.

The temporary pavements of the Department being situated on Brooklyn's most prominent streets, its parkways are subjected to a great amount of traffic which they were not built to withstand every day of the year. This necessitates keeping a large number of repair gangs constantly employed in patching surfaces composed of liquid tar and broken stone and liquid asphalt and gravel.

The entire labor appropriation of \$28,000 for the work was entirely used up and over \$20,000 expended for highway materials of stone, sand, stone chips, grit and asphalt and tar oils.

In the early part of 1919, the specifications used for purchase of liquid asphalt were revised to enable the department to secure a product with greater asphalt content and less penetration under test. This material was an improvement, in that it is much harder when exposed to the air and has a less tendency to push and roll and better resists the wear and tear of traffic in bad weather.

Regular repairs were made to Ocean Parkway main roadway, Eastern Parkway main roadway from New York avenue to Ralph avenue, the roads of Prospect Park, Bay Parkway, Fort Hamilton Parkway, Shore road, Park Circle, Dyker Beach Park Drive and Bensonhurst Park Drive.

In the spring the Navy Department, which occupies the waterfront of the Shore road property, made complete repairs at that time to the Shore road driveway under agreement with this department in consideration of a permit granted the Navy Department to use the driveway for trucking purposes during the war.

Eastern Parkway Main Roadway, New York to Buffalo Avenue.

This roadway, which has been closed for the last few years on account of subway construction work, was restored by contractors and opened for public use.

An effort was made by this department to secure sufficient funds from the Board of Estimate and Apportionment for a permanent pavement; but the Board, on account of the new backfill, directed the old pavement re-

stored. Specifications for roadway reconstruction, typical sections, crowns and inspection were furnished by this department.

**Eastern Parkway Roadway,
Plaza to New York Avenue.**

This section is now nearing completion and work of restoring the original surface is going on, the regulating and grading work for part of the main roadway having been completed. Specifications for roadway reconstruction, crowns and inspection are furnished by this department.

It is expected that restoration work will have been completed and the parkway opened for its full width and length by the summer of 1920.

Resurfacing Walks, Prospect Park.

A large section of interior park walk adjacent to Ocean avenue was this year resurfaced with 1½ inches of new sheet asphalt.

The work was done by the Highway Department of the Borough President's Office under direction of this department. The cost was approximately \$1,000 and included laying 900 square yards of topping and adjusting of old walk base.

**Miscellaneous Work of Bureau.
Application for Permits.**

Requests embodying plans and specifications for permits from contractors, builders, plumbers, architects and Public Service Corporations, for pavement openings, building erections, projections, etc., are inspected and passed upon for enforcement of Parkway laws and Park Board ordinances.

**Brooklyn Botanic Garden,
Minor Construction.**

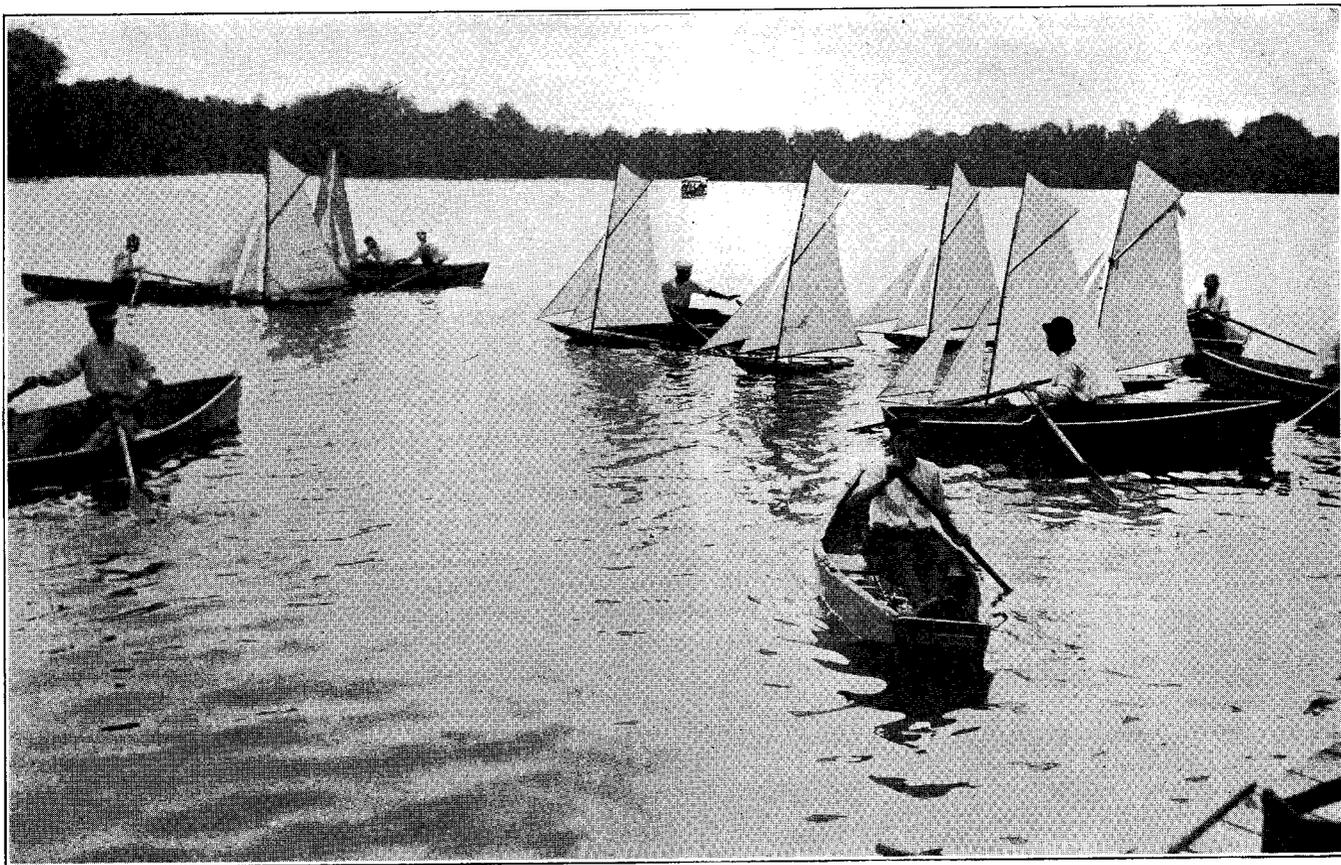
Inspection work performed under open market order for the Brooklyn Botanic Garden through the department.

Measurement of Scow Trucks.

Twelve scows and over one hundred and fifty truck loads of highway materials were measured, computed and vouchers for same certified.

Budget Work.

Statistical charts and budget detail and summary sheets annually prepared for estimated expenditures covering permanent pavement repairs under contract and open market order; labor and materials for repair to temporary pavements and all contemplated major improvements.



Prospect Park—Miniature Yachts on Large Lake.

BROOKLYN BOTANIC GARDEN SECTION.

In addition to regular maintenance, the developmental work included putting down new lawn over an acre of ground devoted to war garden work the past two years; a considerable amount of ornamental and screen planting; new grading and lawn around the Laboratory Building; and reconstruction of the esplanade terraces. The educational plantations, including the native wild flower garden, rock garden and iris garden, were added to, and their educational value greatly enhanced by the installation of over 600 new labels of permanent, all-steel type construction. The municipal appropriation for wages was sufficient to carry the laboring force only until about the middle of May, and it was necessary to solicit contributions of private funds in order to keep up the regular maintenance for the remainder of the year.

Over 750 living plants were added to the scientific and educational collections in addition to over 200 trees and many shrubs planted for decorative and screen purposes. Five hundred and eighty packets of seeds were received in exchange from foreign botanic gardens; over 460 books and nearly 340 pamphlets were added to the library, and over 21,400 specimens to the herbarium. The library, herbarium, and living plants collections were financed from private funds.

The total attendance registered at the entrance turnstiles was 332,773. The growth of our work of public education has been most encouraging, and shows a steadily increasing public appreciation. The attendance at Botanic Garden classes was 23,752, in addition 15,276 pupils from public schools, who came in classes with their teachers. The attendance at lectures to children and adults was over 13,300, and 68 addresses were given by members of the Garden Staff at public schools, mothers' clubs, etc., by request, making a total of 17,657 auditors.

BROOKLYN INSTITUTE OF ARTS AND SCIENCES SECTION.

The Central Museum.

The subway on Eastern Parkway is still uncompleted, and the new Sections F and G of the Museum are in the half-built condition which they have been for the last five years. These two factors obstruct the growth of the Museum activities in important particulars; first, the Museum is without space to install many objects of interest accumulated by gift and purchase, and to provide for temporary loan exhibits; secondly, work on the subway in front of Museum has practically destroyed approach to the building. There is no doubt that the deep cut in the parkway and the disorder attending the construction are very confusing and discouraging to the public, and the fall in annual attendance, which in 1916 was 446,109 and in 1919, 275,628, is directly traceable to this cause. It is promised, however, that in the early Summer the cut will be filled and trains will be running to the new station to be established in front of the Museum. It is important

that the City should finish Sections F and G at as early a date as possible; for, if the attendance grows, the new wing will be needed for convenience and safe circulation of visitors.

The institutional activities broadened significantly during the year. An examination of detailed reports of Museum departments shows relations with the schools are ever growing closer. Greater numbers of pupils have filled the galleries for study of the collections and plans are being perfected with the Board of Education to further the Museum's usefulness to the schools.

The past year also has been marked by new use of the collections, by students of design and textile industries. The Museum has received many compliments from firms and manufacturers on the Museum's exhibits and the facilities provided.

The high standard of the Museum's passing exhibitions has been maintained and important expeditions and field work have been undertaken for the Department of Natural Science. Numerous addresses by members of the staff of this and other departments have been delivered throughout the year.

The educational work of the Museum has been extended and amplified in many ways, and attendance of teachers and students has increased to 18,200. Special lectures prepared to coordinate with work of various classes in High Schools have been given from time to time by curators of the Museum, or by the Museum guide and instructor. Exhibitions of prints have been arranged and stereopticon views and moving pictures have been shown to further illustrate such special lectures, and a museum club has been formed in one of the High Schools to aid in familiarizing students in the Art Department with the Museum material. In addition, several classes from the Bible School in Manhattan have come to the Museum to find illustrative material in the Tissot pictures, and various groups from Americanization clubs have visited the Museum.

Silk manufacturers from Paterson, N. J., have expressed special appreciation of the collections of early European brocades and silks, and have requested permission for closer examination and study to the end of obtaining ideas and designs for their own manufactures from these textiles of bygone centuries.

Manual Training High School boys have found great assistance in their shop work from the collection of Colonial chests belonging to the Museum; and also in the series of Japanese locks and handles of iron work in the basement; while other groups were particularly interested in a process exhibit—etching, wood and steel engraving and monotyping especially arranged for their benefit.

For benefit of the students at the Botanic Garden a special exhibition was given of moths and butterflies found in Prospect Park and of the insects both helpful and injurious to a garden, and the life history of each was shown.

Five special lectures were given by Museum curators for schools. The Museum instructor lectured for High Schools and grades nine times. In addition, thirteen lectures were given by others than the Museum staff.

In the Department of Art during April and exhibition was made under the general title of Wild Life in Art, including sculpture, painting, and black and white, dealing with animal life. The exhibition was representative partly of artists who have been distinguished in illustrative work from a scientific point of view in natural history museums, and partly of painters and sculptors whose point of view was decorative and artistic, the subject matter being plants and animals. The exhibition included eighty-eight pictures and etchings and sixty-seven pieces of sculpture. Two other collections were associated with this exhibition; one representing marine camouflage, derived from U. S. Government sources, and another of utensils and memorabilia relating to the now almost extinct whaling industry. The last included a remarkable exhibition of carvings on bone and ivory made by sailors of whaling ships during their voyages.

Between November 3d and 30th, inclusive, a memorial exhibition was held of oil paintings, watercolors, sketches and designs for mural paintings and stained glass by Frederick Crowinshield, who died in 1916 and was President of the American Academy at Rome during the years 1909-1911. The total number of exhibits was 148.

The Museum has acquired during the year 31 oil paintings and watercolors, of which 6 were watercolors and 8 pastel. Of this number of paintings 21 were acquired by gift and 10 by purchase. The number of pictures loaned during the year, excluding the temporary exhibitions above mentioned, was 84, of which 6 were watercolors. There were two gifts of drawings.

The accessions in sculpture number 29, of which 6 were plaster casts, 18 small bronzes, and 2 works in marble. All were gifts. Three works of sculpture were acquired by purchase. Two pieces of marble statuary have been loaned.

Seven pieces of Colonial and early American furniture were purchased and fourteen pieces were loaned.

Textiles.

Gift of two pieces.

Purchases, 1 set of bedhangings; 1 collection of velvets, brocades, etc., dating from the 15th to the 18th century, inclusive.

One tapestry has been loaned.

Glass and Ceramics.

Gift from the French Government, two large Sèvres vases.

Other accessions by gift and purchase included 7 pieces.

Twenty-eight pieces of glass were loaned.

Of antiquities, the Museum has acquired one Greek Tanagra terra cotta group, 14 pieces of Roman glass and 1 old Persian bowl.

Of Oriental art, as far as covered by the Art Department, the Museum has received gifts of 73 pieces of Chinese cloisonne and 37 ancient Chinese bronzes and gold bronzes. Seven pieces of rare Chinese jade have been acquired by purchase.

Miscellaneous gifts have included 8 medals, 9 illuminated manuscripts on vellum and one illuminated double page from an Italian Missal.

The Art Department has promoted a circuit exhibition of its collection of enlarged photographs of French Gothic cathedrals in the war zone, which has been made successively as follows: Detroit Museum, University of Michigan, Cincinnati Art Museum, Toronto Convention of Canadian Architects, and the Art Association of Madison, Wisconsin.

The constructive work of the Department of Ethnology has been expended chiefly upon East Indian collections in the stairway leading to third floor, where cases containing Indian costumes and textiles have been installed, and additional paintings, reproduced from pictures in caves at Ajanta, have been placed. Here, too, have been arranged a number of beautiful specimens of Graeco-Buddhist sculpture, and some Oriental textiles purchased from Woodward Memorial Fund.

The Oriental costumes have been in especial demand by designers of theatrical costumes. All costumes and most of the properties used in the production of "The Faithful" by the Theatre Guild at the Garrick Theatre were based on the Museum's materials.

The costume and textile collections of this Department have been in daily use and have been employed by designers from other cities, as well as by many of the principal artists in New York. Illustrations of the work thus carried on in connection with the trade journal "Women's Wear" was sent as an exhibit to the St. Louis Exposition of Industrial Art, and were shown afterwards at the costume and textile exhibition at the American Museum of Natural History.

Lack of exhibition space has permitted utilization in part only of many and important accessions to be noted for the Department of Natural Science. Additions to the collections, consequently, have been chiefly in the nature of single specimens; while much other material, including several large habitat group sufficiently advanced for installation, is being held in storage. Because of this condition the Department has been seriously handicapped in its endeavor to fully meet the steadily increasing public demands, particularly by teachers and pupils, who more and more rely upon the Museum's collections as a source for definite information and instruction. Excepting the nearly completed "Money-hollow Rock Group," the last in a series of three groups devoted to realistic display of undersea life, no large scale exhibits have been attempted during the year. Additions to the systematic collections have been numerous and important; as, for example, the superb wax cast and complete skeleton of a loggerhead turtle, a huge specimen

weighing 450 lbs. in life. This gift of the Ocean Leather Company, was forwarded to the Museum from Fort Myers, Florida, alive. In the finished wax cast and skeleton, assuredly the finest ever produced of their kind, the skill of Robert H. Rockwell, taxidermist, and Antonio Miranda, modeler, has been combined. Aside from assistance rendered in the upkeep and improvement of the collections of vertebrates, Mr. Rockwell has mounted for exhibition, both at the Central and Children's Museums, thirty specimens of mammals, birds, reptiles and fishes. Much of Mr. Miranda's time has been occupied in preparation of many models required for Long Island Sound undersea group, now in course of construction. Other examples of his work include delicate reproduction in wax and glass of echinoderms, coelenterates, vermes and mollusks intercalated with collections in the Hall of Invertebrates.

The outstanding field work is that of Mr. Robert Cushman Murphy, Curator of the Department of Natural Science, who, late in August, sailed for Peru to continue his researches in oceanic zoology. From reports received, Mr. Murphy's work is nearing successful conclusion, 200 bird skins and several thousand feet of motion picture film having been forwarded to the Museum. As a result of this expedition many important contributions will be made to the Museum's resources in material for exhibition, publication and lectures, the latter illustrating for the first time in motion pictures one of the most remarkable regions in bird life.

Early in January the Curator of the Department made a trip to Florida to investigate the resources of a new shark and porpoise fishery. Numerous specimens were collected and a report was submitted.

During July and August Mr. H. B. Tschudy, Museum artist, painted in the Yellowstone National Park and Grand Canyon of the Colorado River, obtaining studies to be utilized later for mural decorations and for back-grounds of habitat groups.

Mr. George P. Engelhardt, Curator, Division of Invertebrates, devoted two weeks, while on a visit to Nova Scotia, to collecting marine life both on the Atlantic Coast and in the Basin of Minas.

The eighth annual exhibition of the Brooklyn Aquarium Society was held at the Museum four days, September 11-14, with conspicuous success. Many of the fish, showing the result of selective breeding and hybridization, were exhibited.

In a retrospective view of Library work of the Museum, three features stand out sharply. The first is the importance of two gifts received. These were: (a) A collection of Bibles dating from the 13th to the 19th century, from Alfred T. White. (b) A collection of illuminated manuscripts and autograph letters and documents, a bequest of the late Miss Mary Benson of Brooklyn. The autograph collection is ecclesiastical in character and brings the total of the Museum's autograph collection to nearly 2,500, including the John M. Burt collection and the Samuel P. Avery collection of artists' letters.

The second feature is that work has been started on cataloguing of the Egyptological library of the late Dr. Charles Edwin Wilbour, a gift from his family some time since.

The third feature is the greater call for table display material to supplement exhibitions in other departments or for the use of the docent in her work with schools. These have included:

Exhibition of books by and about Theodore Roosevelt, on Sunday, February 9th.

A selective exhibition of books on lace and textile in the dome room at opening of Lace and Textile Exhibition, on April 28th.

Books and prints to supplement Museum talks as follows:

Brittany, Provence, Normandy, etc.

London and Paris at the time of the French Revolution.

Dickens' Tale of Two Cities.

A class of students from the Library School of New York Public Library visited the Museum on April 4th to study Museum Library methods.

The Saturday afternoon personally conducted parties for sailors, started as a war activity in March, 1918, continued throughout the year. Seven hundred and eight men as against 747 the preceding year were guided by different members of the staff and were served coffee and sandwiches. At one period groups of wounded men from hospitals were among those who came.

The usual collection of books was sent to Cold Spring Harbor for the Brooklyn Institute summer school.

Seventy-one volumes were borrowed from the American Geographical Society, American Museum of Natural History, Brooklyn Public Library, Columbia University and Pratt Institute Free Library.

The attendance in the Library was 32,611, which was 2,209 less than in 1918, and 3,442 more than in 1917. This includes visitors to the Print Department. The staff use was 6.6%, and the use by the public was 93.4%. The highest attendance was in November—4,495; the lowest in July—1,147.

The Library has been much used by professional designers in connection with designs for textiles, wall paper, costumes, pamphlets, borders, etc. It has also been called upon for architectural designs to be used in staging a Hindu play; and twenty boys from the Manual Training High School attended to see pictures on Colonial clocks, from which to make designs for their manual training work. There has been a call for material for use in various pageants; for use in the early series of Liberty Loan posters, in posing for the tableaux for the Victory Loan. It is frequently called upon to help identify specimens of early American china, glass, etc., and for much biographical material about artists. Many other inquiries covering a wide range of subjects are answered in the Library.

Accessions.

	Unbound.	Bound.
Added by purchase	59	93
Added by gift	247	147
Added by exchange	1	4
Added by binding .....	....	66
Transferred	1	....
	308	310
Number of bound volumes in the Library Dec. 31, 1918.....		23,983
Number of bound volumes, Dec. 31, 1919.....		24,293

Children's Museum.

The year was characterized by a marked recovery from the depression caused by the War.

Public interest was early felt in an increasing attendance, which rose to 167,362, a gain of 23,918 over the year 1918. Nearly 29,000 children attended the 361 lectures, and assistance was given to 814 teachers, and 54,377 readers were recorded in the Library.

Every department in the Children's Museum was taxed quite beyond capacity. Applications for lectures were frequently refused because of the inadequate size of the Lecture Room. It became necessary to instruct groups of children in the exhibition rooms, very often while classes were being entertained in the Lecture Room.

Regular meetings of the Children's Museum League members and of the Tree Club kept the children constantly studying new subjects and preparing material for debates and short addresses at meetings. Interest in their work was also shown in increased membership of both clubs, which together have enrolled over 12,000 members. These children raised five hundred dollars toward the Hooper Memorial Fund, to be used in purchasing loan cases for schools. Members of the Tree Club sold enough newspapers to pay for a bronze tablet and eight red oak trees which, through the cooperation of the Park Department, were placed in Bedford Park in memory of Theodore Roosevelt. The ceremony of presentation was impressive and attended by thousands of Brooklyn's prominent citizens.

Regular monthly meetings of the Executive Board of the Woman's Auxiliary of the Children's Museum were held. The Auxiliary generously entertained numerous clubs and other groups of visitors.

There were frequent meetings of various committees of the Women's Auxiliary engaged in special work for the benefit of the Museum. The Auxiliary raised the sum of ten thousand dollars for the Museum in memory

of Franklin W. Hooper, late Director of The Brooklyn Institute of Arts and Sciences; this sum is to be the nucleus of a fund to create Loan Collections for Schools. They also gave a party to three hundred children who did special work for the Hooper Memorial Fund. They also paid the expense of a series of Field Trips during the summer months, thus enabling children who had become familiar with insects, birds and minerals to observe them in their natural surroundings.

Intensive use of every collection in the Museum has been greatly stimulated by work of volunteer instructors of the Woman's Auxiliary, who have met the children at regular intervals in various rooms, and through use of Museum games interested them in exhaustive study of the collections.

Monthly meetings of the Bird Lovers' Club were held during the active season and monthly bird reports were posted in the Library.

Among the donations of the year may be mentioned a valuable gift of 500 shells, a collection of 500 mounted butterflies and moths, and numerous photographs and objects from foreign countries, besides valuable colored lantern slides and motion picture films.

The work of the year impressed many Brooklyn citizens and attracted students and educators from all parts of the United States and foreign countries as far as New Zealand.

The Museum is in receipt of constant and increasing demands for pamphlets descriptive of its work and for illustrative photographs and lantern slides. There has been a demand for information to be used in magazine articles in America and abroad.

POLICE SECTION.

With the ever-increasing number of visitors to Brooklyn's parks, especially Prospect Park, and the ruination of lawns, defoliation of trees and denudation of shrubs through vandalism, the question of adequate police protection and strict enforcement of laws became one of great moment.

The Brooklyn Park Commissioner, after exhaustive study, presented the subject to the Park Board with recommendation that one of the first things necessary was a park police force, separate from the general City police, under jurisdiction of the Park Commissioner in each borough, and whose sole duties would be to protect park property and make it safe for the public.

This measure received approval of the Park Board and the Mayor. A bill embodying this feature was prepared and presented to the Legislature.

In the meantime it became necessary to take steps to curb the wanton destruction of property and accordingly the Brooklyn Park Commissioner caused numerous changes to be made in the City police assigned to park work, and insisted upon strict enforcement of laws. The number of arrests greatly increased, particularly on Saturdays and Sundays. Convictions were secured in nearly all cases and fines imposed by the City Magistrates.

In the short period of two months after this crusade of arrests was started, the result was reflected in the general appearance of the parks. Toe-paths began to disappear; newly planted grassed areas, which before were not allowed to reach maturity without being trodden down, now appeared as greensward; blossoms were allowed to adorn the shrubs; flower beds ceased to be raided; branches and limbs of trees ceased to be broken off; the tearing and cutting of bark from trees stopped; and the lawns and meadows, which were open to the public, were not so freely covered with litter. This work is being kept up but the number of arrests is decreasing proportionately as the property damage is decreasing.

The following is a list of violations of Park Ordinances for which summonses were served during the year 1919, with dispositions:

Violations	Number	Convictions	Discharges	Fines
Ball Playing	148	146	2	\$178.00
Riding Bike on Walk.....	11	10	1	10.00
Horse Unattended	15	15	..	50.00
Paper on Lawn.....	72	70	2	77.00
Horse Grazing	1	1	..	2.00
Parking Autos	4	3	1	30.00
Climbing Park Wall.....	4	4	..	4.00
Climbing Trees	6	5	1	5.00
Walking on Lawn.....	25	23	2	28.00
Annoying Females	7	7	..	60.00
Cutting Name in Trees.....	3	3	..	6.00
Card Playing	4	3	1	10.00
Dog at Large	6	5	1	12.00
Peddling	5	3	2	8.00
Throwing Missiles	12	9	3	31.00
Breaking Shrubbery	11	10	1	20.00
Picking Flowers	12	12	..	20.00
Fishing in Lake.....	4	4	..	5.00
	<u>350</u>	<u>333</u>	<u>17</u>	<u>\$556.00</u>

In addition, there were 31 arrests for juvenile delinquency (Park Ordinances), with a total of 8 convictions, 23 discharged and \$11 fine.

**PARKS UNDER JURISDICTION OF THE DEPARTMENT OF PARKS,
BOROUGH OF BROOKLYN.**

Park.	Location.	Area in Acres.	Length of Interior Walks in Miles.	Length of Interior Drives in Miles.	Appraised Valuation.
1. Amersfort Park	Avenue J, E. 38th St., Avenue I & E. 39th St.	3.56	0.41	....	\$64,500.00
2. Bedford Park	Kingston & Brooklyn Aves., Prospect & Park Pls....	4.10	0.50	....	325,000.00
3. Bensonhurst Park	Bay Parkway & Gravesend Bay 21st St. & Cropsey Ave.	13.00	0.24	0.12	240,000.00
4. Borough Hall Park...	Joralemon, Court & Fulton Sts.	1.70	....	....	*3,314,000.00
5. Bklyn. Botanic Garden and Arboretum (in- cludes 12.69 acres of Bklyn. Inst. A. & S. lands).....	Eastern Parkway, Wash- ton & Flatbush Aves. & Malbone St.	61.39	2.46	....	*9,885,000.00
6. Bklyn. Heights Park..	Columbia Heights, fronting on Furman St. ....	.86	....	....	131,500.00
7. Bushwick Park	Knickerbocker & Irving Aves., Starr & Suydam Sts.	6.86	0.65	....	305,000.00
8. Canarsie Park	Skidmore, Sea View and Denton Aves., E. 88th St. & E. 93d St., Byrne Pl. & Jamaica Bay....	30.50	0.10	....	115,000.00
9. Carroll Park	President, Court, Carroll & Smith Sts.	1.90	0.29	....	165,000.00
10. City Park	St. Edwards & Navy Sts., Park & Flushing Aves..	7.50	0.42	....	491,000.00
11. C. I. Concourse Lands (exclusive of Sea- side Park)	W. 5th St. & Sea Breeze Ave. & Atlantic Ocean..	59.70	....	0.22	1,132,000.00
12. Cooper Park	Maspeth & Morgan Aves., Sharon & Olive Sts....	6.10	0.52	....	140,000.00
13. Cooper Gore	Junction of Metropolitan & Orient Aves. ....	.15	....	....	7,000.00
14. Cuyler Gore	Cumberland & Fulton Sts. & Greene Ave. ....	.08	....	....	25,000.00
15. Dreamland Park	W. 5th St. & W. 8th St., Surf Ave. & Atlantic Ocean	14.70	....	....	839,500.00
16. Dyker Beach Park....	7th Ave. & Bay 8th St., Cropsey Ave., 14th Ave. & Gravesend Bay.....	139.80	....	.95	778,000.00
17. Ft. Greene Park.....	DeKalb Ave., Washington Pk., Willoughby & St. Edwards Sts. & Myrtle Ave.	28.90	1.61	....	3,098,500.00
18. Ft. Hamilton Park....	4th Ave., 101st St., Ft. Hamilton Ave. & Shore Rd.	4.60	0.33	....	539,000.00
19. Fulton Park	Chauncey & Fulton Sts. & Stuyvesant Ave.	2.00	0.20	....	143,500.00
20. Grant Sq. Gore Park.	Bedford & Rogers Aves. & Bergen St.	0.019	....	....	1,000.00
21. Gravesend Park	18th & 19th Aves., 55th & 58th Sts.	6.92	....	....	\$55,700.00
22. Highland Park	Jamaica Ave. & U. S. Natl. Cemetery, Borough Line, Reservoir & War- wick St. Extension....	40.86	1.45	0.51	491,500.00
23. Highland Park Adtn..	Heath Pl., Highland Pk., Vermont Ave., private property and Highland Blvd.	5.19	....	....	200,000.00
24. Irving Sq. Park.....	Wilson & Knickerbocker Aves. & Weirfield & Hal- sey Sts.	2.98	0.38	....	281,000.00
25. Lincoln Terrace Park.	Eastern Parkway, Buffalo & Rochester Aves. & President St.	7.60	0.61	....	151,200.00
26. Lincoln Terrace Park Addition	President & Carroll Sts., Rochester & Buffalo Aves., Eastern Parkway, Portal St. & East New York Ave.	7.40	....	....	150,000.00

* Includes value of buildings on land.

**PARKS UNDER JURISDICTION OF THE DEPARTMENT OF PARKS,
BOROUGH OF BROOKLYN—Continued**

Park.	Location.	Area in Acres.	Length of Interior Walks in Miles.	Length of Interior Drives in Miles.	Appraised Valuation.
27. Linton Park	Bradford St., Blake, Du- mont & Miller Aves....	2.29	0.30	....	81,000.00
28. McKinley Park	Ft. Hamilton & 7th Aves. & 73d St.	8.50	....	....	201,210.00
29. Milestone Park	18th Ave., N. of 82d St....	0.007	....	....	400.00
30. Prospect Park	Prospect Park W., & Flat- bush, Ocean, Parkside Aves. & Prospect Park S. W.	526.00	16.10	6.90	30,766,000.00
31. Red Hook Park.....	Richards, Verona, Dwight & Pioneer Sts.....	5.28	0.69	....	182,000.00
32. Saratoga Sq. Park....	Saratoga & Howard Aves., Halsey & Macon Sts....	3.20	0.36	....	223,600.00
33. Seaside Park	Ocean Parkway, Concourse, W. 5th St. & Sea Breeze Ave.	10.30	0.61	....	625,000.00
34. Stuyvesant Gore Park.	Stuyvesant & Vernon Aves. & Broadway .....	.08	....	....	6,000.00
35. Sunset Park	41st & 44th Sts., 5th & 7th Aves.	24.50	1.53	....	844,500.00
36. Tompkins Park	Tompkins, Greene, Marcy & Lafayette Aves.	7.80	0.66	....	460,000.00
37. Underhill Gore Park..	Underhill & Washington Aves. & Pacific St....	.10	....	....	6,500.00
38. Vanderveer Park	East New York & Pitkin Aves., Barrett & Grafton Sts. ....	.21	0.08	....	15,000.00
39. Winthrop Park	Nassau & Driggs Aves., Russell & Monitor Sts..	9.10	0.94	....	505,000.00
40. Woodpoint Gore Park.	Bushwick, Metropolitan & Maspeth Aves. ....	.05	....	....	1,000.00
41. Unnamed Park "A"...	Eastern Parkway, Wash- ington & Classon Aves..	0.155	....	....	7,000.00
42. Unnamed Park "B"...	Rochling St., Division & Lee Aves. ....	.14	....	....	14,560.00
43. Unnamed Park "C"...	4th & 5th Aves. & 9th St..	0.018	....	....	1,000.00
44. Unnamed Park "D"...	Myrtle, Willoughby & Bushwick Aves.	0.0033	....	....	400.00
45. Unnamed Park "E"...	Chauncey & Fulton Sts. & Lewis Ave.	0.01	....	....	1,500.00
46. Unnamed Park "F"...	Engert & Meeker Aves. & Monitor St.	0.005	....	....	500.00
Totals		1,056.1173	31.38	8.90	\$57,011,010.00

**COMBINED PARKS AND PLAYGROUNDS AND PLAYGROUNDS UNDER JURISDICTION OF
THE DEPARTMENT OF PARKS, BOROUGH OF BROOKLYN**

Combined Park and Playground.	Location.	Area in Acres.	Length of Interior Walks in Miles.	Length of Interior Drives in Miles.	Appraised Valuation.
1. McCarren Park	Berry, Lorimer, Leonard, Bayard, & N. 12th Sts., Nassau, Driggs, Manhat- tan & Union Aves.....	38.42	1.35	....	\$1,321,000.00
2. McLaughlin Park	Bridge, Tillary & Jay Sts..	3.30	0.32	....	367,500.00
3. Williamsburgh Bridge Park	Bedford & Kent Aves., S. 5th & S. 6th Sts.....	4.30	0.28	....	275,000.00
4. Williamsburgh Park...	Boerum, Leonard & Lori- mer Sts. & Johnson Ave.	1.83	....	....	119,550.00
Totals		47.85	1.95	....	\$2,083,050.00

**COMBINED PARKS AND PLAYGROUNDS AND PLAYGROUNDS UNDER JURISDICTION OF
THE DEPARTMENT OF PARKS, BOROUGH OF BROOKLYN—Continued**

Playground.	Location.	Area in Acres.	Length of Interior Walks in Miles.	Length of Interior Drives in Miles.	Appraised Valuation.
1. Betsy Head Memorial Playground	Livonia, Dumont, Hopkinson Aves. & Douglas St., & Dumont, Blake, Hopkinson Aves. & Bristol St.	10.50	.76	....	\$370,000.00
2. Bushwick Playground.	Putnam Ave., bet. Knickerbocker & Irving Aves.	2.80	0.04	....	68,000.00
3. McKibbin Playground.	Seigel, White & McKibbin Sts.	1.37	....	....	70,000.00
4. New Lots Playground.	Sackman St., Riverdale, Newport & Christopher Aves.	2.29	0.07	....	73,000.00
5. Parade Ground	Coney Island, Parkside & Caton Aves.	39.16	0.22	0.11	1,500,000.00
6. Red Hook Playground	Richards, King, Dwight & Pioneer Sts.	2.29	....	....	52,000.00
Totals		58.41	1.09	0.11	\$2,133,000.00

Other Property.	Location.	Area in Acres.	Length of Interior Walks in Miles.	Length of Interior Drives in Miles.	Appraised Valuation.
1. Gravel Pits	Northwest corner of Ocean Parkway & Ave. P.....	2.71	....	....	\$75,000.00
57	Grand Totals	1,165.0823	34.42	8.81	\$61,302,060.00
Seelye St. Storeyards....	Seelye St. & Prospect Ave. (Temporary).				

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

Parkways and Streets.	Location.	Miles.	Area in Acres Between Property Lines.	Appraised Valuation.
1. Bay Parkway	Ocean Parkway, bet. Avenues I & J, Bensonhurst Beach	2.56	30.99	\$1,000,000.00
2. Bay Ridge Parkway...	Ft. Hamilton Ave., bet. 66th & 67th Sts., to 1st Ave., bet. 66th St. & Wakeman Pl.	1.40	40.89	717,700.00
3. Buffalo Avenue	Eastern Parkway, bet. Rochester & Ralph Aves., to East New York Ave., bet. E. 96th St. & E. 98th St.	.12	1.98	31,000.00
4. Bushwick Avenue ...	Myrtle Ave., bet. Ditmars St. & Charles Pl., to Jamaica Ave., bet. Sheffield & New Jersey Aves.....	2.24	31.41	500,000.00
5. Eastern Parkway	Prospect Park Plaza to Ralph Ave., bet. Union St. & Lincoln Pl.....	2.50	61.12	3,000,000.00
6. Eastern Parkway Extension	Ralph Ave., bet. Union St. & Lincoln Pl., to Bushwick Ave., bet. De Sales Pl. & Stewart St.	1.39	18.55	1,300,000.00
7. Ft. Hamilton Avenue.	Ocean Parkway & Prospect Ave. to Ft. Hamilton	4.27	48.15	1,000,000.00
8. Highland Boulevard ..	Bushwick Ave., bet. Dahlia & Gillen Places, to Highland Park.....	.67	9.00	150,000.00
9. Lincoln Road	Ocean Ave. to Bedford Ave., bet. Lefferts Ave. & Maple St.....	.30	2.61	138,900.00
10. Ocean Parkway	Prospect Park Circle to Coney Island Concourse	5.50	140.00	4,000,000.00
11. Parkside Avenue	Prospect Park Circle to Flatbush Ave. at Robinson St.....	.68	8.15	433,800.00
12. Plaza Street	Prospect Park Plaza .....	.38	4.31	229,400.00
13. Pennsylvania Avenue.	Jamaica Ave., bet. Sheffield & New Jersey Aves., to Jamaica Bay.....	2.50	19.24	630,100.00
14. Rockaway Parkway ...	Buffalo Ave. at East New York Ave., to Canarsie Beach, bet. E. 96th & E. 98th Sts.....	3.12	40.90	773,000.00
15. Shore Road	First Ave., bet. 66th St. & Wakeman Pl., to Ft. Hamilton.....	2.65	119.30	5,000,000.00
Totals		30.28	576.60	\$18,903,900.00

**CONDITION AT DECEMBER 31, 1919, OF ALL APPROPRIATION
ACCOUNTS.**

Title of Account	Net Funds Available	Net Vouchers Registered, Based on Cancellations and Adjustments	Unexpended Balances
Administration, Operation and Maintenance.....	\$44,785 48	\$44,743 54	\$41 94
Engineering	9,069 82	9,069 82	.....
Care of Trees.....	9,400 00	.....	.....
Care of Parks and Boulevards.....	32,080 00	.....	.....
Children's School Farms	2,400 00	.....	.....
Care of Parks and Boulevards—Trees, Baths and Comfort Stations	51,244 81	50,473 33	771 48
Care of Menagerie	7,114 25	7,016 75	97 50
Operation and Current Maintenance of Park Properties, Inc., Minor Additions and Altera- tions	359,524 05	354,531 16	4,992 89
Patching and Resurfacing Park Drives and Park- ways	29,796 50	29,568 91	227 59
Care of Trees in City Streets.....	23,926 25	23,922 84	3 41
Operation of Playgrounds and School Farms...	13,350 00	13,007 50	342 50
Forage and Veterinary Supplies.....	17,280 00	10,900 84	6,379 16
Fuel Supplies	17,600 00	15,605 60	1,994 40
Office Supplies	925 00	922 95	2 05
Laundry, Cleaning and Disinfecting Supplies...	3,000 00	2,033 05	966 95
Educational and Recreational Supplies.....	1,000 00	980 94	19 06
Botanical and Agricultural Supplies.....	11,500 00	11,269 16	230 84
Motor Vehicle Supplies	3,200 00	2,051 51	1,148 49
General Plant Supplies.....	2,300 00	1,989 93	310 07
Office Equipment	150 00	66 63	83 37
Motor Vehicles and Equipment.....	2,620 00	2,399 02	220 98
Educational and Recreational Equipment.....	1,000 00	960 26	39 74
General Plant Equipment	3,500 00	3,100 37	399 63
Highway Materials	20,200 00	17,158 40	3,041 60
Other Materials	18,000 00	14,108 92	3,891 08
Pavements and Walks Repairs.....	17,500 00	321 60	17,178 40
General Repairs	2,500 00	1,834 00	666 00
Hired Teams and Carts.....	42,912 00	41,959 58	952 42
Shoeing and Boarding Horses, Including Veter- inary Service	650 00	421 90	228 10
Carfare	2,650 00	2,384 20	265 80
Telephone Service	1,385 00	1,101 55	283 45
Music	9,720 00	9,584 25	135 75
Contingencies	200 00	186 89	13 11
Brooklyn Institute of Arts and Sciences, Central Museum—Salaries	110,000 00	99,813 40	10,186 60
Brooklyn Institute of Arts and Sciences, Child- ren's Museum—Salaries Regular Em- ployees	14,500 00	11,422 30	3,077 70
Brooklyn Botanic Garden and Arboretum—Sal- aries and Wages	48,000 00	44,325 30	3,674 70
Total	\$934,983 16	\$873,116 40	\$61,866 76

**CONDITION OF CORPORATE STOCK, ASSESSMENT BOND, SPECIAL
REVENUE BOND AND SPECIAL ACCOUNTS AS AT DECEMBER
31, 1919.**

Title of Fund or Account	Total Authorization as Adjusted	Net Vouchers Registered, Based on Cancellations and Adjustments	Adjusted Credits Unexpended
Improvement of Botanic Garden.....	\$100,000 00	\$99,986 29	\$13 71
Repaving Eastern Parkway	174,316 00	172,475 33	1,840 67
Repaving and Improving Park Circle.....	55,000 00	54,535 85	464 15
Repaving Fort Hamilton Parkway.....	110,000 00	109,132 68	867 32
Architects' Fees	20,000 00	19,335 66	664 34
Engineers' and Architects' Fees.....	11,000 00	.....	11,000 00
Brooklyn Institute of A. & S.—F. & G.....	400,000 00	380,197 96	19,802 04
Repaving Drives, etc.	284,696 33	281,178 64	3,517 69
Removal Debris, etc., Dreamland Park.....	25,000 00	23,047 56	1,952 44
Removal Old Iron Pier Seaside Park.....	7,000 00	6,468 00	532 00
Constructing Groynes	16,743 83	15,840 03	905 80
Repaving East Drive Prospect Park and Park Circle	163,150 00	114 55	163,035 45
Development and Improvement Public Park, Johnson Avenue, Lorimer, Leonard and Boe- rum Streets	30,000 00	.....	30,000 00
Extension of Underground Coal Cellar at Bo- tanic Garden and Arboretum.....	5,000 00	.....	5,000 00
Permanent pavement on Ocean Parkway Traffic Road between Kings Highway and Coney Island	150,000 00	305 49	149,694 51
Permanent Pavement on Ocean Parkway Main Roadway and Erecting Sidewalk between Avenue W and Coney Island Creek.....	150,940 00	.....	150,940 00
Raising Grades on Ocean Parkway of Cycle and Bridle Paths between Avenue W and Coney Island Creek	54,360 00	.....	54,360 00
Total	\$1,757,208 16	\$1,162,618 04	\$594,590 12
Borough Accounts	\$2,103 41	.....	\$2,103 41
<i>Special Trust Funds</i>			
Maintenance and Improvement Public Parks, Brooklyn Heights	9,966 53	8,315 81	1,650 72
Restoring and Repaving.....	45,293 28	38,525 25	6,768 03
Planting Trees—City Streets	64,015 30	61,645 66	2,369 64
Contribution to Botanical Garden Improve- ment Fund	100,000 00	99,903 98	96 02
Damage to Trees and Other Department Property	24 00	.....	24 00
Payment by Navy Department—Restoration City Park	16,666 26	.....	16,666 26
Total	\$235,965 37	\$208,390 70	\$27,574 67

**CONDITION OF CORPORATE STOCK, ASSESSMENT BOND, SPECIAL
REVENUE BOND AND SPECIAL ACCOUNTS AS AT DECEMBER
31, 1919—Continued.**

Title of Fund or Account	Total Authorization as Adjusted	Net Vouchers Registered, Based on Cancellations and Adjustments	Adjusted Credits Unexpended
R. D. P.			
<i>Special Revenue Bonds</i>			
Operating Betsy Head Playground.....	\$14,475 00	\$13,682 34	\$792 66
Urgent Highway Repairs.....	11,000 00	10,878 59	121 41
Deficiency in Budget Item 1916—1295.....	2,000 00	1,724 25	275 75
Deficiency in Budget Item 1916—1308.....	3,000 00	2,924 37	75 63
Repaving Fort Hamilton Avenue.....	8,200 00	8,161 34	38 66
Deficiency in Budget Item 1917—1293.....	3,355 46	3,223 81	131 65
Deficiency in Budget Item 1917—1300.....	422 85	422 85	.....
Deficiency in Budget Item 1917—1308.....	3,975 96	3,975 96	.....
Deficiency in Budget Item 1917—1315.....	123 92	123 92	.....
Deficiency in Budget Item 1918—1280.....	215 28	202 28	13 00
Deficiency in Budget Item 1919—1282.....	2,918 75	2,629 74	289 01
Deficiency in Budget Item 1919—1280.....	143 31	138 04	5 27
Total	<u>\$49,830 53</u>	<u>\$48,087 49</u>	<u>\$1,743 04</u>
<i>Trust Funds</i>			
Legacy of Betsy Head.....	\$33,455 71	\$33,216 05	\$239 66
Bequest of Henry Harteau Interest.....	2,445 50	2,306 90	138 60
Total	<u>\$35,901 21</u>	<u>\$35,522 95</u>	<u>\$378 26</u>



M. B. Brown Printing & Binding Co.,
New York.