

TWENTY FIRST ANNUAL REPORT
of the
DEPARTMENT OF PARKS
of the
BOROUGH OF BROOKLYN
CITY OF NEW YORK
FOR THE YEAR 1918

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OF THE
BOROUGH OF BROOKLYN
CITY OF NEW YORK
FOR THE YEAR 1918
BEING
THE FIFTY-EIGHTH ANNUAL REPORT
OF THE
OLD CITY(Now Borough) OF BROOKLYN

JOHN N. HARMAN, Commissioner



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OFFICE OF THE DEPARTMENT OF PARKS
BOROUGH OF BROOKLYN
Litchfield Mansion, Prospect Park

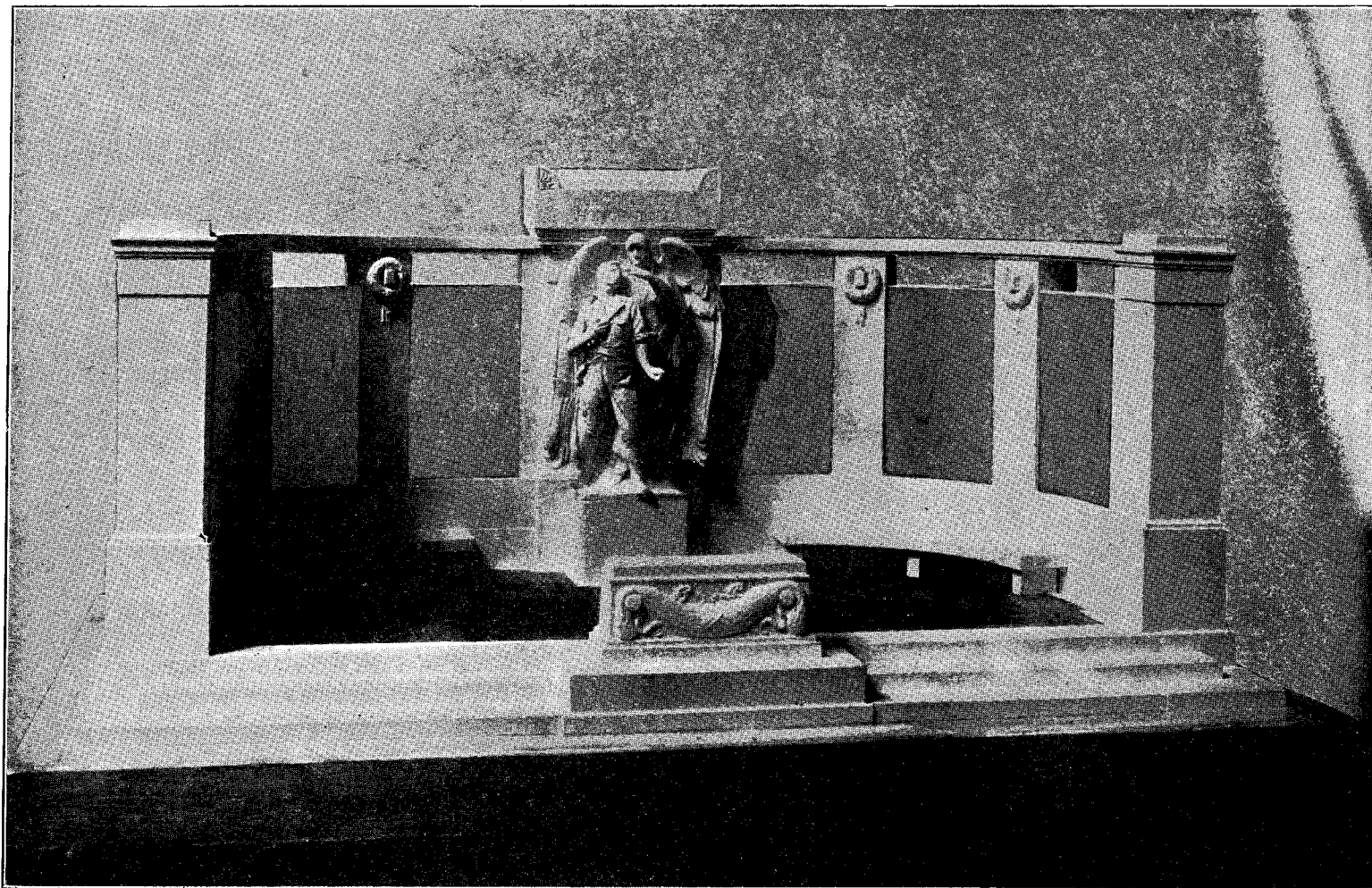
December 31, 1918.

Hon. John F. Hylan,
Mayor of the City of New York.

Dear Sir:

In compliance with the provisions of the Charter, I send you herewith a report of the work undertaken and accomplished in this Department for the year just closed.

Very truly yours,
JOHN N. HARMAN,
Commissioner.



Brooklyn's Hono. Roll. Proposed Memorial for Prospect Park.

INTRODUCTION.

There is a mound in Prospect Park beneath the Memorial Tablet unveiled last September that even these winter days is covered with fresh flowers. The offerings are renewed day after day and week after week by the kindred of our soldiers who died in France. This shaded spot on the edge of the peaceful lake, made holy by its symbolism, is the only grave of their loved ones these thousands of our citizens have to moisten with unforgetting tears. Thus a spiritual beauty has come into our park that was not there before.

By such currents of thoughts and emotion the parks of Brooklyn have come to have a deeper meaning for the people. Circumstances may conjoin again to flood with living passion the park's relationship to the people, but in the nature of things it must be long before the parks of Brooklyn have a full-tide year like 1918.

In reporting the activities of this department for that year, it occurs to me that the values created in the most extraordinary of world crises, in so far as it is possible for us to conserve them in the local field, should not be allowed to disappear. They were a revelation to those charged with the supervision of them on behalf of the city government. In the proper section of my report, the forms of social life that related themselves to our official duties are set forth. They are infinitely varied. The profoundly affecting patriotic exercises deriving elements from a mighty war were peculiar to the time and such depth of sorrow and exaltation of pride and enthusiasm belong to a singular experience. Nevertheless that experience leaves memories that can be made to enrich the social function of the parks in the coming years. We should continue to have patriotic exercises, and in this community no more suitable theatre exists than the parks.

At the outset of his administration, Mayor Hylan emphasized his desire that unremitting efforts be made to increasingly beautify the public parks, the "breathing places of a great city," and more than ever make them attractive resorts for the young and old; to supplement the natural beauties of the parks with plentiful music and encouragement of healthful athletic recreations for boys and girls.

The Mayor's policy has been faithfully adhered to in the Brooklyn Park Department. To make the policy effective it first became necessary to undertake a restorative work of magnitude extending over the 526 acres of Prospect Park, 54 smaller parks and playgrounds, in all aggregating 1,200 acres. The greatest part of this work could not be begun before spring. The severest winter of many years had inflicted widespread damage to the parks, blasting numberless plants, shrubs, vines and young trees. It was found imperative that large numbers of

dead trees be removed and replaced with young trees of various species, that extensive plantations be renewed, embankments re-sodded, thousands of vines, shrubs, rhododendrons, azaleas, be planted, hundreds of trees long untrimmed be pruned, miles upon miles of walks and roads repaired, a vast number of benches mended and painted, park structures renovated, rustic bridges strengthened, and unfinished improvements completed.

This work has been accomplished with efficiency and economy, the details of which are given in another part of this report.

RESTORATION WORK.

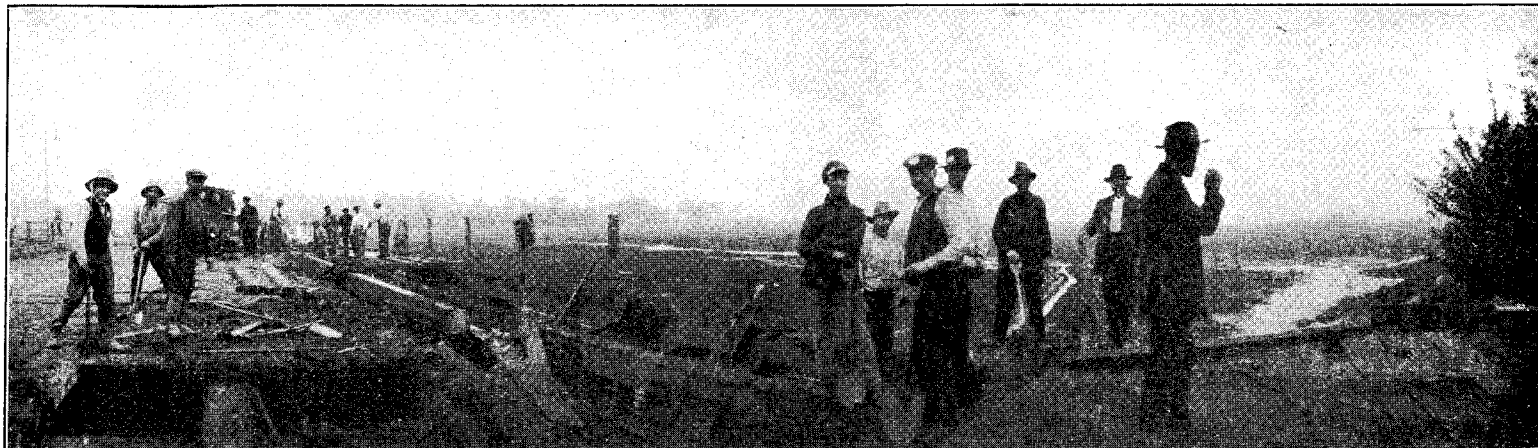
During the spring planting season, reconstruction of impoverished lawn-planted areas began at the main entrance to West Prospect Park where 1,450 deciduous and evergreen shrubs were set out. Seven hundred trees of small caliber were planted along the west side of the park in vicinity of the croquet house, picnic house and wooded areas around the Mansion House; 400 rhododendrons, 200 azaleas, and 840 deciduous shrubs were set out in the Vale of Cashmere; 800 rhododendrons were planted on the slope of the main pathway in Rocky Pass; 1,300 evergreens and deciduous shrubs were set out around the Three Arch Bridge; 62 cubic yards of garden mould and 1,400 square feet of grass sod was added to fill up the paths, washouts; 525 deciduous shrubs were planted, 1,200 square feet of grass sod laid, and 40 cubic yards of top soil spread on the steep slope leading from Rocky Pass Bridge to the Farm House; 1,348 deciduous shrubs were set out, 30 cubic yards of top soil spread and 1,395 square feet of grass sod laid on the knolls around Swan Boat Bridge and vicinity of the falls.

The restorative work was done under disadvantages caused by the Great War and demands of labor. Experienced park department laborers, climbers and pruners, and others, quit to obtain more remunerative pay in munition plants, shipyards, and various fields of United States Government. Furthermore, unusual drafts were made upon the Park Department resultant from hundreds of requests for bandstands used by block parties and organizations appealing for subscriptions to Red Cross, Liberty Loan Bonds, Ambulance service, War Work campaign. These requests came from every assembly district in the borough, necessitating the carting of stands accompanied by workmen over many miles of territory.

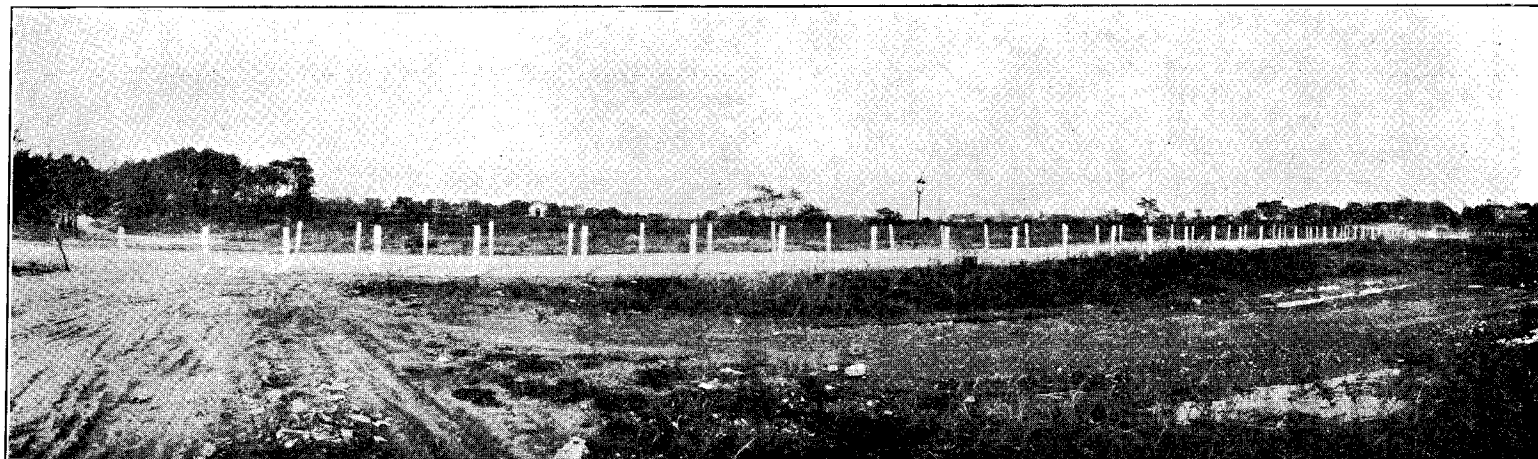
While the department was conducting its multifarious activities with depleted forces, a lesser number than were employed in 1917, a far heavier draft upon the services of our arboriculturists than had been made on that important branch of the department in several years was caused by the most destructive caterpillar pest in twenty years. Not only the parks but thousands of trees lining residential streets were attacked by the pests. It is estimated that there are 100,000 trees in Brooklyn, and to have sprayed and scraped all would have required a tremendous force of men. Additional spraying machines were purchased, the borough was divided into working sections, and all the relief from the swarming pest that could be given was furnished by workers whose numbers were limited by the budget appropriation for 1918.

DYKER BEACH IMPROVEMENT.

The smaller parks were as carefully looked after as was the parent park. A notable improvement was made at Dyker Beach Park. In the Park Department annual report of 1915, it was stated:



Dyker Beach Improvement, Old Bridge over Swamp.



Dyker Beach. New Roadway, Replacing Old Bridge, Showing Filled-in Swamp Land.

"Canarsie and Dyker Beach Parks are waiting for much needed development. The filling in of the salt marsh at Dyker Beach would provide an athletic field on the Narrows with an areage of 70 acres, or nearly twice as large as the Parade Grounds, and still leave an equal area for upland planting."

Through negotiations with the U. S. Government by the Park Commissioner, the large corporation engaged in building for the United States Government a colossal structure along the water front of Shore Road, agreed to truck without cost to the Park Department, a large proportion of its excavations, and fill in a considerable section of the mosquito breeding marsh land of Dyker Beach up to the grade of a new road, thereby obviating the necessity of reconstructing an old and dangerous bridge. It is estimated by our Superintendent and Assistant Engineer that the work done at Dyker Beach by the Turner Construction Company, the filling in of approximately 250,000 cubic yards of excavated earth, and the elimination of an otherwise \$8,000 to \$10,000 bridge, would have cost the city at least \$300,000.

PATRIOTIC WORK OF PARK DEPARTMENT.

The Park Department has not confined itself to regular routine duties. It has provided drilling grounds for soldiers and sailors, erected and decorated stands for patriotic gatherings, loaned without compensation a large section of park land to the United States naval authorities for erection of barracks, provided musical entertainments for stimulation of patriotism, granted the use of park structures to various organizations of loyal women raising funds for ambulance and hospital funds, and has signally honored the heroic dead of our armies. To every appeal made in behalf of the Red Cross, Liberty Bond Loans, and War Campaign Work, the employees of the department responded generously and unhesitatingly. In many cases these successive responses represented real sacrifices. The officially listed amount subscribed to war funds during 1918 totals \$27,300.

A notable fact is that the Brooklyn Park Department averaged close to 100% on all War Bond drives and war contributions.

The detail operations of repairs to park and playground structures and appurtenances are as follows:

In the yuletide season, flowering plants were sent from the park greenhouses to the United States Marine, Brooklyn, St. Mary's, Seney, Long Island College, St. Catherine's, Norwegian, and St. Peter's Hospitals, for our wounded soldiers.

MUSIC CONCERTS.

It was found necessary, because of a lack of funds, to eliminate eight of the intended Prospect Park concerts, and eleven playground concerts, the Musical Union having demanded that instead of the former charge of

\$5 for each musician, he must be paid \$8, and that band leaders formerly receiving \$10 be paid \$25. Patrons of the parks were fortunate in the fact that the regular concerts were supplemented by a number of the Mayor Hylan's Peoples Concerts arranged by Special Deputy Park Commissioner Philip Berolzheimer. These concerts were attended by over 100,000 people, and the music was furnished by the Police and Street Cleaning Department bands in the main. By invitation of the head of the Department, Sousa's famous band, the distinguished Royal Italian Grenadier Band, and the Thirteenth Coast Artillery Band, each gave a largely attended concert at Prospect Park.

One of the notable Prospect Park concerts supplementing the regular schedule was that given on August 15th as a tribute to heroic Belgium, music of a superior order being furnished by Nahan Franko and his celebrated symphony orchestra of one hundred pieces. The concert was contributed by Mrs. Philip Berolzheimer, at whose request the great orchestra accompanied with masterful charm the recitation by Carlo Litten, the eminent Belgian tragedian, of Emile Cammaert's thrilling poem "Carillon," interpreting the spirit of his native blood-stained land. At this concert Eugene Ysaye, Belgian musical composer and leader of worldwide fame, was the guest of honor.

HEROES DAY.

Under instructions of the Mayor, Sunday, September 1st, was named as the date on which Heroes Day Memorial Exercises were to be held in Prospect Park, honoring the memory of our courageous soldiers who had fought and sacrificed their lives under the American colors. The Park Commissioner presided at the exercises, opening with the National Hymn, followed by prayer offered by the Reverend Edward P. Duffy, Chaplain U. S. Navy. Borough President Edward Riegelmann and Supreme Court Justice Robert H. Roy delivered stirring patriotic addresses, appropriate instrumental music was furnished by Slafer's Band, and vocal music, singing of hymns and patriotic songs, were volunteered by the Brooklyn Community Chorus under the leadership of Mr. James McCabe.

Monuments, statues, tablets and granite shafts commemorating the gallant deeds of American soldiers and sailors of Revolutionary and Civil War days—the Soldiers and Sailors Memorial Arch fronting the main entrance to Prospect Park—the column near Lookout Hill marking the bank where Maryland soldiers fought and died in the battle of Long Island—equestrian statues of Generals U. S. Grant, Slocum and Warren, erected in grounds under the jurisdiction of the Park Department, the towering column of Fort Greene, a massive tribute to the American martyrs of the British prison ships who perished wretchedly nearly one hundred and fifty years ago—all attest the patriotic pride of Brooklyn

citizenship and their reverence for those who suffered and died for our Republic.

Likewise the citizenship of these days would reverentially honor the heroic young sons of Brooklyn who unhesitatingly offered their lives that the world might be made a better place to live in—that Freedom might be won for oppressed peoples everywhere. To this end it was decided to erect in Prospect Park near the lake an Honor Roll bearing the names of all Brooklyn men who died abroad in service of the United States up to the time of the erection of the Memorial, the roll to be enlarged when the list of intrepid dead shall be completed officially. This was the first memorial to our dead erected in a public park of this country. The memorial consists of a large tablet mounted in a massive rustic frame of graceful design, the names inscribed on the Roll in alphabetical order. On Sunday afternoon, September 22nd, a great concourse of patriotic men and women attended the impressive dedication and unveiling ceremonies of the Memorial

“Erected in memory of the brave men of Brooklyn
who have made the supreme sacrifice.”

It is not an over-statement to say that never before in the history of Prospect Park had there been such a solemn gathering within its confines.

Upon the conclusion of the ceremonies, relatives and friends of the honored dead filed by the little mound, each dropping on it a flower in affectionate remembrance.

POPULARITY OF PARKS AND PLAYGROUNDS.

Very many thousands of children participated in the annual May Day fetes, June walks, Kindergarten Festival and Patriotic Field Day of the Playgrounds. Over 10,000 girls participated in the Erasmus High School Field Day athletic contests on the Hockey Field in Prospect Park. The annual Sunday Schools Anniversary Day parade on the Long Meadow was witnessed by at least 10,000 spectators.

The May Day Fete of the Girls' Branch of the Public Schools Athletic League deserves special mention. Eight thousand gaily attired girls, in well-trained units from every public school in Brooklyn, took part. Each group had its own Maypole resplendent with streamers, and around those poles the great host of merrymakers in unison going through the evolutions of varied dances presented a dazzling whirl of kaleidoscopic brilliancy—the suggestion of an immense flower garden animated by human life. The Fete opened with a bugle call, and in response from the north, east, south and west daintily clad hosts marched toward the elevated American Flag until massed about it. A second bugle note and five thousand little hands were raised in salute to the national colors, and next, with youthful fervor thousands of voices united



Rock-a-Bye, Betsy Head Playground.

in the singing of the Star Spangled Banner. It was a spectacle intensely gratifying to the organizers of the League, of whom General George W. Wingate, a Union veteran of the Civil War, was the chief.

FLORA OF THE PARKS.

The flora of the parks, the bedded flowers, diversified gardens, the gorgeous masses of fragrant and vari-colored flowers exotic, and of hardier species, assembled in the greenhouse, attracted hosts of admirers. The Department exhibit at the annual flower show in Manhattan won a gold medal; the Easter display and the exceptionally fine Chrysanthemum Show elicited unstinted praise. Several valuable donations of century, cacti, and other rare plants have been made to the Prospect Park Greenhouse.

GENERAL MAINTENANCE.

The general maintenance of Brooklyn's park property, numbering 45 parks, 9 playgrounds and 15 parkways, requires the employment of 400 to 600 employees, depending upon the seasons, of approximately 75 teams and carts, 5 automobile trucks, 11 tree spraying machines, and shops for carpenters, plumbers, painters, blacksmiths, wheelwrights, harnessmakers, masons, bricklayers, tinsmiths, electricians, etc. This operation requires the upkeep of over 1,600 acres of land, including 72 buildings.

The shortage of labor was severely felt and the great increase in the price of all materials made it imperative to operate on a most conservative basis in order to keep within the year's budgetary allowance, which was no greater than previous to war times.

Economy has been the by-word in operation for the past year; no work was undertaken which was not necessary to proper park upkeep.

Maintenance costs have been greatly lowered in every line of activity through the co-operation of employees and the conserving of funds; such as, the purchase of beef for Menagerie was dispensed with as good horse meat found to be satisfactory, was substituted. Old horses from different city departments are now slaughtered by us for this purpose; surplus stock of fish from our lakes is used in place of purchasing fish; milk is purchased loose and in quantities to make it economical; old tree wood is used in place of coal wherever possible; old lumber, which was previously discarded, is re-used for platforms, walks, etc. Roadway maintenance costs were reduced one-half by making repairs immediately as required. A substantial saving was made in a number of accounts, such as in hired teams and carts, through co-ordinating rubbish collection points and through substitution of auto trucks for teams wherever possible, with the result that all properties were properly maintained and part of our 1918 appropriations was returned to the City.

AMERSFORT PARK.

Repairs were made to water main and exterior fence. A small skating pond was constructed by taking advantage of the natural contour of the ground, which permitted flooding a section of the park after ground was frozen. Tennis courts were also laid out and proved to be very successful.

BEDFORD PARK.

A number of alterations and repairs were made to the Museum Building, the roof was repaired and painted, house drains and water supply pipes were overhauled and repaired, doors were rehung and locks adjusted. The park irrigation pipes were repaired, drinking fountains fixed, iron railings scraped and painted and four new signs made and set out.

BENSONHURST PARK.

New lockers and lights were installed in building, the comfort station plumbing, the park irrigation system, drainage system, drinking fountains and catch basins were all repaired and a number of replacements made. A new wooden post and wire fence were erected and three stands set up for celebrations.

BOROUGH HALL PARK.

For the Christmas holidays a large Christmas tree was set up by the Borough President. It was decorated with red, white and blue electric bulbs and topped with a star of small white bulbs to represent the Star of Bethlehem. The bluestone coping surrounding the park and adjacent flag walks were repaired and pointed up.

BETSY HEAD PLAYGROUND.

In the Bath Building the masonry work was repaired, doors rehung, new spring board installed, wading pool pointed up and cement forms finished. The vapor pipe was extended to chimney and steam return pipe to boiler room. Water pipes in shower room were also repaired. Exposed woodwork was creosoted and new iron brackets installed. The sash in the different buildings were reglazed as required, a broken cement drinking fountain was replaced, brick furnace arches were repaired, four new manholes were constructed, eight baby swings were repaired, bolt locks and hinges were replaced as required, and exterior fences partly repaired and painted.

BUSHWICK PARK.

The iron fences bordering park were repaired, sections of walks were relaid, a new water main installed and a new drinking fountain set up. Two celebration stands were erected and decorated, the building masonry pointed up and new lockers and lights installed.

BUSHWICK PLAYGROUND.

In January, February and March skating was indulged on the small pond in playground. The pond was again constructed in the Fall and will be in readiness when cold weather sets in. The north end of this playground, which remained unfinished for a number of years on account of difference in grade between the playground and Woodbine street, which was not cut through until recently, was completed. A heavy concrete retaining wall, varying in height from ten feet to sixteen feet, was constructed on north property line. The old wrought iron picket fence was repaired, re-located on new wall and painted, and the additional playground area provided behind the wall filled in and surfaced. The original contract for this work was abandoned but was completed at a cost of \$4,222.50. The comfort station roof was repaired with new copper rods; repairs were made to radiators, toilet tanks, water supply pipes, doors, broken water main, and new glass set in sash. The inside of building was painted throughout; the iron picket fence was repaired and painted, 25 new iron posts being furnished; 500 feet of lacing wire was installed in backstops and 100 feet of iron chain in playground equipment, which was completely overhauled.

BAY RIDGE PARKWAY.

Three ten-foot backstops were made up in shops and erected around tennis court. Hockey posts were made up and set in new hockey field. Permanent benches were installed in field. Small temporary bulkheads were put on top of the slope on southerly side of roadway, and sidewalks widened at these points by filling in the area between walk and bulkheads. This did away with a very dangerous condition.

BROOKLYN HEIGHTS PARK.

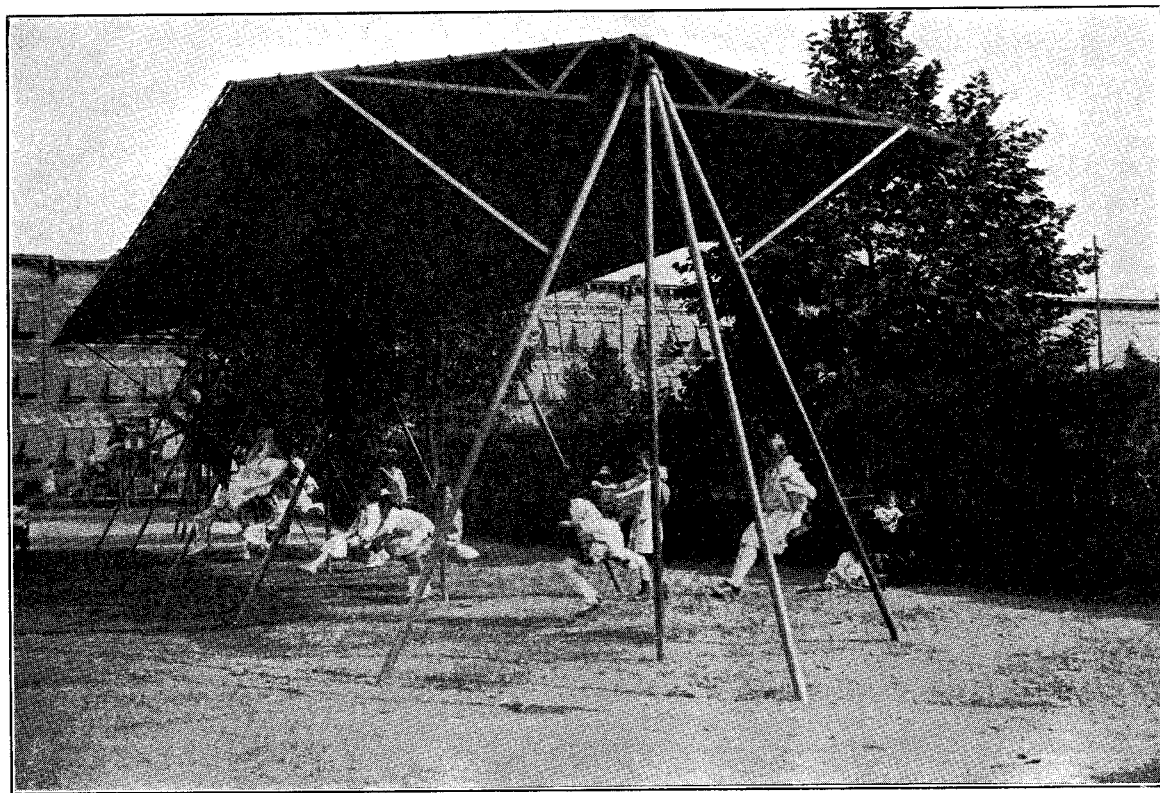
The westerly end of the southerly side of Pineapple street park had never been completed and the rough grading would not allow a proper outlet for storm water. A brick party wall, surmounted with a wrought iron picket fence, was erected and adjoining park area filled in and graded. Some of the lawns of adjoining street and parks were also regraded and grass seed sown.

CANARSIE PARK.

The roof, windows and plumbing of park building were repaired, as were locker rooms in men's comfort station.

CARROLL PARK.

The comfort station and shelter house were painted and repairs made to roof, electric wire and fixtures, plumbing of women's toilet and feed pipe of furnace. The drinking fountain was repaired. A stand was erected and decorated for Anniversary Day and large sections of the lawns were sodded and seeded.



On the Swings, Bushwick Playground.

CONEY ISLAND CONCOURSE BEACHES AND DREAMLAND PARK.

The beaches were kept in clean and orderly condition, board walks were regularly repaired, Dreamland comfort station plumbing was repaired and partly renewed and fountain on beach repaired. The shelter house was painted and new section placed in frame of baby swings. A number of new seats and new signs were made at shops and set up.

The severe storms of last winter caused considerable damage to Coney Island waterfront; the Concourse and Dreamland beaches were eroded six feet in some places, particularly just east of Ocean Parkway. Most of the sand, however, was reclaimed during the summer season by timber groynes which had been constructed on the beaches. The temporary wooden bulkhead supporting the walk from Ocean Parkway to Brighton Beach was also badly damaged; in some places entirely washed away and walk undermined. As funds could not readily be secured from the City for the construction of a permanent bulkhead, a more substantial temporary bulkhead was constructed by the Department and the walk backfilled and graded in time for opening of the season.

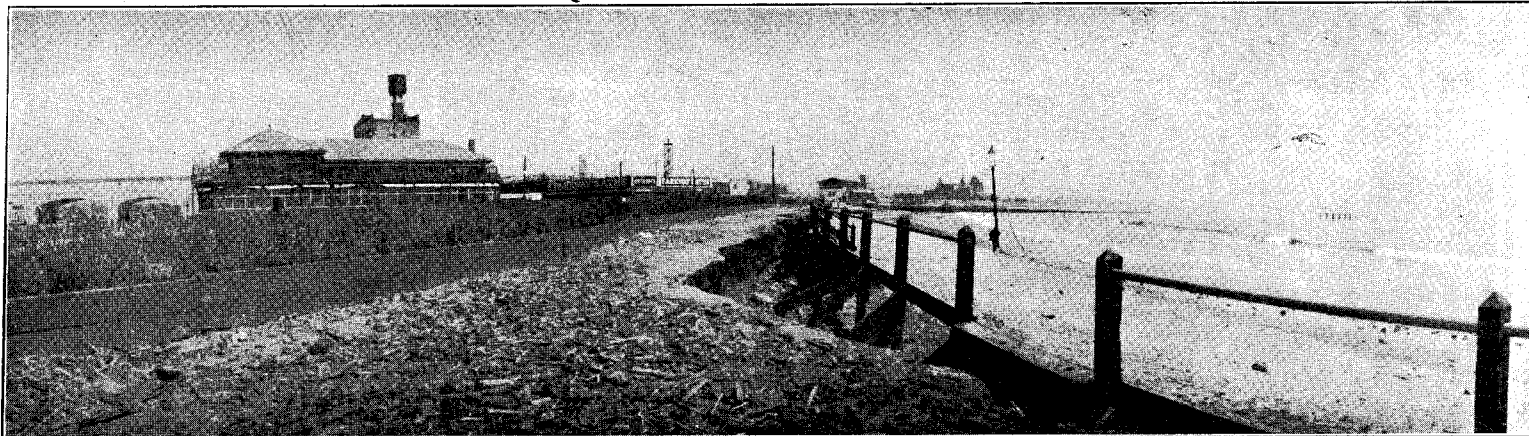
A contract was let for removal of Dreamland Pier, which is a source of great danger to waterfront property, because of its bad condition, a section having been washed away during the storms of last winter. Up to date of shutting down contract for the season the outer end and part of the middle section have been removed. The remaining section will be removed in the spring and contract completed.

COOPER PARK.

The water and waste pipes in the comfort station were repaired, a section of plumbing work was replaced, windows were glazed, door repaired and sash painted.

DYKER BEACH PARK.

This has been a notable year for the residents of Dyker Heights section and adjoining sections, as the long-hoped-for improvement of Dyker Park—the filling in of the mosquito breeding swamp of 54 acres was started and is progressing at a rapid rate, already nearly 10 acres having been reclaimed. For years this swamp has retarded the development of Dyker Heights and adjoining sections on account of its unwholesomeness; and various civic associations and committees of residents have, in conjunction with previous Park Commissioners, repeatedly petitioned the Board of Estimate and Apportionment for appropriations to fill in the waste land, without success, until 1917, when an appropriation was granted for this purpose. Plans and specifications were prepared and contract advertised for the work, but owing to war conditions, the lowest bids received greatly exceeded the appropriation, and the Board of Estimate and Apportionment refused to increase the appropriation and



Brighton Walk and Bulkhead, Coney Island, Damaged by Storm.



Walk and Bulkhead After Repairs, Showing Remade Beach.

recommended that bids be rejected. This was a serious blow to the Dyker Heights residents, and again in 1918 they appealed to the present Park Commissioner for assistance. The project was immediately taken up and complete investigations made of all war, building, or dredging operations, where there was any possibility of securing filling material in effective quantities. After exhausting all other means of supply, the Park Commissioner succeeded in negotiating with representatives of the Federal Government for the placing of all material excavated from the Army Building site at Bay Ridge in the Dyker swamp, without cost to the City and with such provisions that very little work would have to be done by the Department in rough grading. Pending exhaustion of filling material from the Government, the Department has been regularly securing other filling material from different sources, without cost, so that the filling operations have been going on with very little interruption. Arrangements are now being made for delivering all Brooklyn's ashes to Dyker swamp, which method of ash disposal will not alone complete a long-needed improvement to sub-grade, but will relieve taxpayers of very costly ash removal contracts.

The filling operations served still another purpose and made possible another saving of approximately \$15,000, in that the long timber bridge spanning the swamp was in a very dangerous condition and would, at the time of starting filling operations, either have been closed off or practically reconstructed. The securing of material at that time and starting the work at that point, made possible removal of the bridge as no longer necessary and construction of a temporary roadway in its place on the newly filled area, until such time as sufficient settlement has taken place to permit of a permanent road being constructed.

The total estimated saving to the City in the Dyker Beach Park operations to date is over \$275,000.

In connection with new temporary roadway, approximately 700 linear feet of wooden post and wire protection fence were erected along the sides of the road.

Salt hay was cut from the swamp areas and used in parks as a winter protection for ground cover plants.

EASTERN PARKWAY.

The planting spaces between sidewalks and curb on both sides of this parkway were graded to proper level of the street. This work was much needed as their irregularity of grade pocketed storm water on sidewalks and made them unsafe for pedestrians. Repairs were also made to the cement walks.

FORT GREENE PARK.

When the walks were constructed in this park, years ago, the custom for walk drainage was to slope the side of the walk toward the center and collect the water in basins located at different points along center line

of the walks. This method, since abandoned, caused great damage to walk pavements on account of basins getting clogged up and pools remaining in center of walks, which disintegrated the pavement. The walks, due to the above cause, have been in bad condition for a number of years as a sufficiently large appropriation for their complete reconstruction was not available. As war conditions would not permit the city to make appropriations for complete walk reconstruction work at this time, it was decided to repair the entire walk areas by patching with 2 inches of sheet asphalt. The work was finished at cost of \$1,772.05, 1,870 square yards of asphalt having been laid.

Repairs were made to playground equipment, swings and awnings for same, drinking fountain, plumbing work of comfort station in Farm Houses, and exterior irrigation and drainage systems. Sections of pipe rail fence were repaired and painted and new signs set up.

The skating pond, which was last year constructed in the athletic field of boys' playground, was again flooded and will be in readiness for cold weather.

FORT HAMILTON PARK.

The masonry walls adjoining new comfort station, damaged by sliding of the banks last winter, were repaired and pointed up. The banks were regraded and sodded and new section of wall built. The comfort station plumbing was repaired and a number of sash glazed. The screenings walk around the park and in front of comfort station was re-coated with new material.

FULTON PARK.

Large areas of lawns were found in poor condition, the sod in some places had been entirely worn away. All poor lawn areas were re-graded and sodded. The hot water boiler in comfort station was repaired, as was the general plumbing system. Two new signs were made and erected.

HIGHLAND PARK.

The skating pond, extensively used last winter, was patched up with puddling clay and a number of irregularities in grade removed. The banks bordering the pond were remade where necessary and sodded. The usual planking and runway have been laid out and the pond flooded in preparation for skating. The walks, which are mostly all on very steep grade, were regulated and re-surfaced in the spring to efface washouts of last winter. Shrubbery was planted on some of the bare hill spots and large areas bordering the top of hill at roadway were graded and sodded. Exterior irrigation and drain pipes were all repaired, as were the doors, windows and plumbing system of the comfort station and shelter house. Repairs were made to the drinking fountains.

IRVING SQUARE PARK.

The residents of this section erected and decorated a very beautiful Christmas tree, which was kept lighted over holiday week. A number of new lockers were installed in the shelter house and plumbing repairs were made to wash basins, tanks and piping. The sash of shelter house was reglazed as necessary.

LINTON PARK.

Minor building and fountain repairs were made. A section of lawn was re-sodded and some new shrubbery set out.

LINCOLN TERRACE PARK.

This, one of the most picturesque of Brooklyn's smaller parks, required considerable attention. The drainage system, which is old and antiquated, was regularly cleaned. The walks, which are very steep, were continuously coated with steam cinders and screenings. The pipe rail fences were scraped and painted, the steep grassed banks sodded as required, repairs were made to shelter house glazing and doors, and the comfort station plumbing was overhauled and a number of replacements made. Anti-aircraft gun bases were located at serviceable but inconspicuous locations, and will, at a later date, be removed by the United States Government.

MCCARREN PARK.

The banks of the skating pond, which is the best of our small ponds, were regraded and the quarter mile running track surrounding the pond was re-surfaced with cinders and screenings. The iron fences surrounding the parks were inspected, scraped and painted where necessary, as were the interior pipe rail and wire mesh fences. A dancing platform was constructed and new awning frames installed for baby swings. The irrigation and drainage system in the different plots were overhauled and a number of repairs made. A celebration stand was erected and decorated and six new signs made and set out. Repairs were made to doors, windows, walls and plumbing systems of the buildings. New wire enclosures for the tennis courts were made and set up.

McKIBBIN PLAYGROUND.

Extensive repairs were made to shelter house roof and plumbing system; doors were repaired and rehung and sash reglazed, new lockers installed in building and four new signs erected. The interior wire mesh fence was repaired and playground area re-surfaced.

McKINLEY PARK.

The small skating pond was regraded and pond surface and banks repaired with clay. The tennis courts were re-surfaced for better drainage with more uniform grades. The sash of shelter was reglazed as required and repairs made to waste pipes, lockers, water pipes and doors. The interior of comfort station was repainted.



Dedication of Flag Pole at Temporary Honor Roll, Prospect Park.

McLAUGHLIN PARK.

The interior and exterior walks were repaired, interior woodwork and fixtures of shelter house painted, four large swings repaired and set out, electric lighting system overhauled and a number of new lamps installed. New lockers were made and set, and repairs made to merry-go-round and baby swings, new swings and ladders furnished and repairs made to water supply and drainage system and to comfort station plumbing.

NEW LOTS PLAYGROUND.

The children's playground and the flag pole were repaired and painted. A number of lights of glass were placed in sash of comfort station and minor repairs made to plumbing system. The wire fence was repaired and playground surface re-coated with clean steam cinders.

OCEAN PARKWAY.

A stand was set up and decorated for Anniversary Day celebration; the police booths along parkway were repaired and painted and repairs made to water mains and drinking fountains.

PARADE GROUNDS.

The Parade Ground building, including exterior wooden columns, was repaired and repainted; the interior woodwork, doors and fixtures were repaired and a second floor room painted; weather strips were installed and repairs made to pipes of shower room and general plumbing system. A number of baseball backstops were repaired and worn-out grassed area adjoining baseball diamonds were sodded. The bowling green was graded and seeded and additional benches for spectators provided.

PROSPECT PARK.

Soldiers' & Sailors' Temporary Honor Roll Tablet.

The most interesting event, as already stated, in Prospect Park this year was the unveiling of the temporary Honor Roll Tablet. The exercises took place September 22, 1918. Mayor Hylan presided; the Park Commissioner was chairman. The tablet was unveiled by Miss Veronica Blanchfield, daughter of Captain John B. Blanchfield, the first American officer to give his life in defence of his country. The dedication address was delivered by Hon. William E. Borah, U. S. Senator from Idaho.

The temporary location of the tablet is on a small promontory jutting out into the big lake, at a point immediately south of the Flower Garden, and at foot of the Carriage Concourse, and was selected by the Park Commissioner.

The walks adjoining the tablet were repaired with sheet asphalt, the lake lines adjacent were rebuilt and pointed up, the Carriage Concourse re-surfaced, the surrounding trees and shrubbery pruned and neatly trimmed. The plot in front of the tablet was laid out and sodded and

the tablet and site appropriately adorned with flags, shrubbery and flowers.

Old Dutch House.

The Old Dutch House, which was last year presented to the City by the Lefferts family, was moved into Prospect Park and located on its new site at the Willink entrance, just north of Malbone street, facing Flatbush avenue. The expense of moving the building and repairing the structure was defrayed by the Old Dutch House Committee. The repair work is now practically complete and the furnishing of the house with furniture representing the period which the Old Dutch House commemorates, and which is to be provided by the Committee, will soon begin and the building opened to the public. The surrounding grounds have been re-graded and relaid to conform with the type of structure and truly depict a Dutch house and grounds of the early eighteenth century. Part of the masonry wall in front of the building was removed and replaced with an iron fence with a double gate; the front lawns were regraded and seeded and the old bluestone flags removed from the previous location of the building and laid as a front entrance walk; screenings walks were constructed around the side and rear of house; lattice work will screen the spaces under front and rear porches and will back up the flower beds which are to surround the house. The south lawn was also re-graded and seeded, and the rear ground, for a distance of one hundred feet back, was laid out with an old-fashioned gravel court, a formal Dutch garden of old design, with interlacing screenings and a central flower bed. A rose arbor will be constructed between the court and garden and the rear of the garden will be bordered with a lilac arbor. The north side has been screened off with evergreen and deciduous shrubbery, as will be the south side. The work of grading and embellishing of grounds, as well as installation of the exterior water supply and drainage system, was done by the Department.

Rustic Tower, Lookout Hill.

On account of the War Department taking over the tower for search-light purposes, the work of strengthening and completing the tower, left unfinished last year, was not undertaken. Plans have been prepared for the completion of tower next year and for entire re-arrangement of its site on Lookout Hill, so as to provide a suitable surrounding with protection fences, walks, shrubbery and other plantings.

Portable Skate House.

The portable skate house was again erected in Prospect Park this year, and entirely overhauled and repaired. A more suitable and economical location was selected just north of the Boathouse, where shelter, warmth and refreshments can be secured, and adjacent to the men's and women's comfort station. This location will afford much greater

convenience to the public and permit of considerable saving of lumber previously used in planking endless runways, necessity for which the present location overcomes. The Boathouse walks have been planked and interior floor, marble subbases, pillars and copper posts have been planked or boxed for protection.

Croquet House.

The men's and women's comfort stations and the locker rooms were thoroughly renovated and painted. The old lighting system is to be entirely replaced with electricity, plans having received approval of Department of Water Supply, Gas and Electricity.

Rustic Bridges.

An inspection made in early part of the year of the rustic bridges and rustic work in general throughout Prospect Park showed extensive repairs necessary, as most of the rustic work was in very bad condition and two of the small bridges dangerous. The small rustic bridge adjacent to the Music Pagoda and rustic walk bridge approaching the Boathouse, had to be completely rebuilt. Part of the flooring, guard rails and deck beams of two other small rustic bridges—one on walks from Mansion to Menagerie, the other near swan boat lake—had to be replaced and a number of repairs made.

New Cast Iron Water Main.

The Prospect Park water supply was, until recent years, secured partly from the large well in Prospect Park, in which a number of smaller wells had been sunk, and the water pumped into the reservoir at top of Lookout Hill, whence it circulated through the Park water mains and laterals; and partly from the City water main on Flatbush avenue. But with the advent of Catskill water supply, the abandonment of the Prospect Park well was made imperative and the park had to depend on the one water connection at Flatbush avenue for its supply. Breaks that occurred in the main, which is very old, left the park at times without a water supply. To overcome this difficulty a new eight-inch cast iron water pipe line was laid between the park mains and the high pressure main in Prospect Park West at Seventh street. A new two and one-half inch galvanized wrought iron water pipe was also laid from the park main to the fountain near the Music Stand, to replace smaller sized pipe which had broken in a number of place.

New Drain Pipe at Storehouse.

At the time of construction of the new Storehouse in Prospect Park adjacent to Seventh street and Prospect Park West, sufficient drainage was not provided, and after storms the cellar would be flooded. A new drainage system with catch basins was installed, which overcomes this condition.



A Favorite Pastime, Prospect Park.

New Dock at Boathouse.

The old dock at the Boathouse, which was found to be in a dangerous condition, was reconstructed; new piles were driven, new caps and beams installed and an entire new floor laid.

Location Signs, Fire Hydrants and Water Gates.

When the new cast iron water mains were laid in Prospect Park about five years ago, a large number of hydrants for fire protection and a number of control gates were installed. This installation was necessary on account of the great danger to buildings and other structures and to trees and shrubbery, by fire in the Fall of the year, when lawns, roads and walks would be covered with leaves and the brush very dry. Great difficulty was encountered, however, in readily locating the fire hydrants and gates on the ground in cases of emergency, as reference had to be made to maps. Prominent colored signs were prepared, numbered and driven alongside of every hydrant and gate.

Iron Picket Fence Along Flatbush Avenue.

When the iron picket fence on Flatbush avenue side of the park was last year taken down to make way for the new bridle road, it was not apparent that a protection fence was necessary. However, it developed that this section of the park was gradually being overrun, the shrubbery and trees injured and buildings adjacent to this main entrance damaged. To overcome this condition about two hundred feet of iron fence has been erected on Flatbush avenue, running from the main entrance southerly.

Repairs to Litchfield Mansion.

The interior finish as well as the exterior stucco work and painting had been allowed to deteriorate. The entire building was in need of renovating. It was impossible, however, on account of limited funds, to make complete repairs, which, it is expected, will be completed next year. The rooms occupied by the Commissioner, Superintendent, Secretary and the second floor stenographic and filing room and telephone operator's room, were all refinished.

Menagerie.

Conditions were improved by the erection of a new wooden picket fence around the cook house, in which a new floor was laid and the building painted, and by construction of a number of permanent floors in animal cages. One new alligator pool was built, thirteen concrete pools in bears' and wolves' cages were repaired, and the cages painted. Numerous minor repairs were made to other Menagerie structures.

Thirty-four animals were born at the Menagerie, sixteen presented by Brooklyn citizens and thirty-eight of surplus animal stock sold.

Greenhouses.

The show house, palm house and cactus house were thoroughly overhauled, repaired and painted and reglazed as required. All other green-

house buildings were repaired, painted and glazed as necessary. A new large cylinder boiler was installed and a number of repairs made to the piping of heating system.

Shelter House in Flower Garden.

This building was thoroughly repaired, the plumbing, heating and lighting systems attended to and the structure repainted.

Stables.

Repairs were made to roof and chimneys and the interior of first floor and loft repaired. The stable stock and equipment, including 32 horses and 80 pieces of rolling stock, and 22 drivers, were engaged in removing sweepings, leaves, papers, tree prunings, etc., from the parks and parkways, hauling materials of construction from shops, ploughing farm gardens, hauling roadway construction materials, snow ploughing roads and walks, cleaning and scraping lake, etc. Four teams and carts, as well as clerical assistance for tallying, were also provided to the Police Department in January and February, for distribution of coal during the coal shortage period. Over 250 tons of coal were handled by our own teams for park consumption.

Lake Lines, Brook Lines, Water Tables, Life Rings.

Special attention was given to conditions along lake and brook lines. The soil from adjoining banks, which had been washed down during the heavy storms for years, was removed from the brooks, the brook beds cleaned and their walls and tables rebuilt and pointed up in places. Adjoining banks were remade and sodded as required. Large sections of the lake line walls which had been set up dry, had fallen into the lake; the stones were collected and reset in walls with Portland cement beds and joints; the soil banks approaching the walls which had washed out, were refilled with clean earth and topsoiled. Life ring boxes, painted red and clearly lettered on both sides, to be used in case of lake accidents, were conspicuously placed at selected locations around the lakes. The Miniature Yacht House was repaired and sash glazed. The masonry piers and copings of the brookline bridge were repaired and pointed up, and large driveway lake bridges were repaired and painted. Repairs were made to Swan Boat Lake platform and surrounding railings.

Comfort Stations at Entrances.

All were renovated, plumbing work was overhauled and repairs and replacements made. The interiors, including Attendants' rooms, were thoroughly cleaned and painted, where necessary, exterior masonry work was pointed up, and roof, gutter and leader repairs made.

Lafayette Entrance.

A new wire fence was constructed bordering the walks; the asphalt tile pavement, relaid last year, was adjusted for settlement, and bare spaces in adjoining plots sodded.

Farm House.

Extensive repairs were made to roof and interior and the structure painted.

Ground Cover Plants—Signs.

Considerable progress was made in setting out ground cover plants, mostly ivy, on lawn areas, bordering walks, under trees and in shady places where grass would not grow. The ivy plants were propagated in our nursery and are proving very satisfactory. A great number of short-cuts, by-passes, etc., made by persons indifferent to lawn appearances, and washouts on hills and mounds, have been obliterated by resoiling and re-sodding of areas. In some cases, where necessary to prevent damaging of lawns, thorny shrubs and vines have also been planted. Signs calling attention to newly sodded and planted areas have been placed at the more important locations.

New Direction Signs.

In order to relieve pedestrians and automobilists of difficulty in readily finding their way to different sections of the park and points of interest, direction signs have been prominently placed at desirable locations on various roads and walks.

Plaza Christmas Tree.

An exceptionally large Christmas tree, measuring over thirty-six feet in height and very symmetrical, was presented by Hicks' Nursery, Westbury, Long Island, and was located in center of the large oval of Prospect Park Plaza. The current for lighting was donated by Edison Electric Illuminating Company and the decorated tree kept illuminated over holiday week.

Benches on Prospect Park West.

Permanent concrete and wood double benches, of extra heavy type and durable, were installed at every second block on the park side of Prospect Park West, from Union to Fifteenth streets. The locations of benches agree with the skip-stop stations of car lines and have fulfilled a long-felt want.

Miscellaneous.

Repairs were made in Prospect and the smaller parks, to the asphalt tile and cement walk pavements. A new glass storm shed was constructed at west entrance to Engineering Building and interior glass storm partitions on south entrance to Mansion. In addition to other Menagerie repairs and improvements, a new wooden runway and stairs were constructed. Grass cut this season was fed to the sheep and other animals at the Menagerie, thereby effecting an economy, instead of disposing of it as heretofore, without advantage to the Department.

Special Police Work.

In addition to the work performed by the regular police force assigned to duty in the parks, very good results were obtained by the two



Garden Swings, Bushwick Playground.

park employees detailed to special police work, in detecting and removing from the parks persons wilfully violating park ordinances, and vicious characters, and causing their arrest in serious cases. The results of the special police operations are as follows:

Arrests made	221
Fines imposed	133
Sentences suspended	54
Sent to Workhouse	13
Sent to House of Good Shepherd.....	3
Released on parole	7
Sent to reformatory	1
Discharged	6
Undisposed of	4

— 221

Mechanical Operations.

The Mechanical Division was entirely reorganized and placed in charge of a competent employee, familiar with the various trades carried on and who has broad knowledge of general construction work. Very good results attended this readjustment. The different branches were co-ordinated and general efficiency greatly increased, so that the work has been performed with fewer employees and in more substantial manner. Waste and loss of material due to cutting and manufacturing have been reduced to a minimum, and various other economies effected in the shops management, conserving the stock in the store-house, now valued at \$27,000, against a stock of \$15,000 on hand the first of the year.

A new saw filing and setting machine was installed and has saved labor. A paper baling machine was installed so that revenue could be secured from waste paper picked up, which was previously carted to dumps, and to save haulage. Since July over six tons of paper have been baled.

A thirty inch portable circular saw was also installed to handle condemned trees cut down. This will lessen the labor cost of cutting up trees in cord lengths for fuel purposes, and will provide considerable construction lumber, which would otherwise have to be purchased.

In addition to the mechanical work previously mentioned, an entire new body was built for a 3½ ton auto truck, which will make it more useful.

The entire rolling stock was repaired and painted as required. Road repairing tools and equipment were all kept in first-class condition. Stoves, furnaces and heating apparatus in all buildings were repaired. Over 1,100 saw filing and 500 horse shoeing jobs were done. Over 650 minor mechanical jobs were performed in Prospect Park alone and 225 portable stands assembled, erected and decorated for celebrations. A reviewing stand, seating 1,500 people for Decoration Day, was erected

on Eastern Parkway. The same stand was reconstructed for Anniversary Day in Prospect Park. A saving of \$1,500 was effected on method of construction and minimizing waste on first stand, and a total saving of over \$2,500 made on the two stands.

RED HOOK PARK.

Repairs were made to shelter house gutters, leaders and plumbing system. The arbor around pool, which was in very bad condition, was repaired and painted.

SARATOGA PARK.

Roof repairs were made to shelter building and minor repairs to plumbing work. The fences were repaired and painted as required and small areas of lawns sodded.

SEASIDE PARK.

The shelter house was given a thorough overhauling. Plumbing system was repaired and a number of replacements made. New glazing was put in and the shelter painted. One portable stand was erected and decorated.

SUNSET PARK.

Repairs were made to plumbing system, doors and closets of shelter building, and a new single grating provided for steps. The sash of boiler room was repaired and glazed.

TOMPKINS PARK.

The bare spots in lawns were sodded and electric lighting and plumbing system repaired. Three new signs were made and erected and repairs made to exterior fence.

VANDERVEER PARK.

The fences were repaired and painted and some new shrubs set out in planting spaces.

WILLIAMSBURG BRIDGE PLAYGROUND.

A new building was erected as the old one was burned down. The playground equipment and wire fences were repaired. The playground area was re-surfaced. The new building, which is of portable construction, also serves in Prospect Park, during winter season, as a skate house shelter.

WINTHROP PARK.

Numerous repairs had to be made to the irrigation and drainage system. Repairs were made to doors and windows of shelter house and to plumbing system and drinking fountain. A celebration stand was erected and decorated.

ARBORICULTURAL.

PARKS AND PARKWAYS SECTION.

The shortage of labor in other lines was also seriously felt in arboricultural work, as climbers and pruners, who during normal conditions,

are difficult to secure on account of the hazardous nature of the work, were still more difficult to secure at this time, and it became necessary to accept such labor as applied and educate them in the work.

During the summer months a very heavy insecticide spraying program for extermination of caterpillars and destructive insects, was carried out. New plantings of earlier months were cultivated, watered and mulched.

In the Fall particular attention was given to scraping and exterminating tree boring and sucking insects, to mitigate as much as possible the caterpillar pest of next year.

Fertilizer used in mulching trees and shrubs was secured from our compost pits in Prospect Park, which are prepared without cost to the city from waste materials which were previously discarded.

The wood from dead trees was used as fuel in Prospect Park, Mansion, greenhouses, menagerie and comfort stations. This was a great relief on account of the shortage of coal.

HORTICULTURAL.

PROSPECT PARK—GREENHOUSE SECTION.

A change was effected this year in the personnel to accomplish better results in preservation of plant stock, in plant propagation and in general upkeep and appearance of the greenhouse. A noticeable improvement was made in floral specimens at the different shows, especially at the Chrysanthemum Show and Easter and Christmas displays.

The entire greenhouse layout, including palm house, cactus houses, propagating houses, cold frames, etc., and the adjoining grounds were thoroughly gone over, including the stock therein. Necessary repairs were made to structures and all dying and decaying stock removed and replenished with new plants.

A number of plants, some of very good species, were presented to the greenhouses by residents of Brooklyn.

Visitors to the greenhouses to see holiday, Easter and Chrysanthemum displays totaled over 75,000.

Approximately 132,000 flowering plants and 15,000 farm garden plants were propagated.

A detail inspection of the wooded areas of Prospect and smaller parks developed the fact that the removal of trees and shrubs, which had died or been destroyed by vandals, was progressing for a number of years at a much more rapid rate than the replantings. This, if permitted to continue, would mean that most parks would soon be denuded of proper foliage, which is very serious on account of the number of years required to mature a tree of good species.

An extensive renewal program was laid out for all parks, and started in Prospect Park during the early months. The work will have to extend over a period of years to entirely overcome this condition, but results so



Travelling Rings, Bushwick Playground.

far attained in Prospect Park are obvious, as areas along the west side of park, which had been allowed to become barren of foliage, are again planted with trees and shrubs.

Special attention was given to pruning of shrubbery, especially in Prospect Park, as most deciduous shrubs had been allowed to grow wild, with the result that they had tops only, the lower portion being devoid of foliage. A great number of these shrubs were severely pruned down early in the year and again became bushy by Fall.

While the planting and renovation of wooded areas this year seem extensive, still it is very little compared to what is yet to be done to restore park plantations to normal conditions.

Seven thousand two hundred and sixty-seven trees were sprayed in Prospect Park, 801 in Fort Greene Park, 3809 on Ocean Parkway and 8,457 divided up between Bedford Park, Betsy Head, Bushwick Park, Bushwick Playground, Carroll Park, City Park, Cooper Park, Cuyler Gore Dreamland Park, Fort Hamilton Park, Fulton Park, Highland Park, Highland Boulevard, Irving Square Park, Lincoln Terrace, Linton Park, McCarren Park, McKibbin Playground, McLaughlin Park, New Lots Playground, Parade Ground, Red Hook Park, Saratoga Park, Sea Side Park, Sunset Park, Tompkins Park, Underhill Gore, Bay Ridge Parkway, Eastern Parkway, Eastern Parkway Extension, Parkside avenue, Plaza street and Pennsylvania avenue.

Toe paths, washouts and bare spots around Lookout Hill were given attention. The most unsightly were filled in, graded over and sodded and work will continue until the entire location is restored.

On account of the lack of restraint imposed upon young girls and boys in the last few years, in regard to proper respect for public property, great damage has been done to all kinds of plant life within the parks. An attempt is now being made to correct this evil, through the assistance of the public schools, Police Department and Park Department employees, who are at every opportunity bringing to the attention of the children the necessity for their protesting and discouraging other children from damaging the trees, shrubbery and plants. In some sections of Prospect Park in some of the smaller parks this has already brought about good results.

SUMMARY OF WORK FOR YEAR 1918.

Trees pruned	8,000
Trees removed	1,405
Trees brushed	7,746
Trees staked and wired	328
Trees planted	776
Trees straightened	2
Trees sprayed	20,334

Trees cultivated and watered	4,410
Shrubs cultivated and watered.....	18,468
Tree wounds tarred	32
Shrubs pruned	46,012
Shrubs removed	1,818
Shrubs transplanted	1,671
Shrubs cultivated and waered	18,468
Shrubs planted	7,573
Shrubs sprayed	8,124
Holes dug	8,349
Sods cut and laid	8,995
Stumps removed	203
Vines planted	5,192

STREET TREES SECTION.

The work of caring for Brooklyn's older street trees has been somewhat curtailed owing to our inability to secure sufficient men to carry on necessary operations. The increasing demands for care and attention to the great number of young trees being planted by us on City streets from year to year take up a large proportion of our time, and old trees suffer in consequence. There must be an increase in the appropriation for labor and equipment if the work is to be kept up properly.

In caring for the mature street trees the most important part is that of spraying. In so far as our appropriation would permit this work was carried on with a greater degree of success than ever before. The antiquated and expensive methods of previous seasons were dropped and new equipment purchased.

Much has been done to encourage planting of young trees. Many undesirable trees have been removed free of charge that young trees might be placed at owner's expense. More than 900 young trees have been planted for individual owners—a substantial increase over last year's work. These trees are fertilized and cultivated without cost to the owner and replaced in case they die. The price of each tree to the householder is \$8. Such trees planted to date number about 5,000.

Last winter was very severe on young trees. Whole blocks on Bedford avenue and Fourth avenue succumbed; many did not die until late in the summer; but all will be replaced in the spring.

The usual work of pruning and other necessary attention has been carried on as far as our limited force would permit. Over 7,000 individual requests for attention to trees have been received, and all but 500 have been attended to.

SUMMARY OF WORK FOR YEAR 1918.

Trimmed	10,629
Removed	2,174
Scraped	6,090

Sprayed	29,570
Planted	1,281
Walks cut	454
Guards repaired	7,544
Cultivated	20,685
Watered	2,215
Manured	6,092
Holes dug	892
Dressed	717
Straightened	125
Tested	126

NURSERY AND FARM GARDEN SECTION.

Due to the unusually large number of plants raised in the nursery this year, which were set out in the Flower Garden, Prospect Park, and the gardens in the smaller parks, a very fine floral display was presented to visitors.

The Prospect Park Nursery, at the Lincoln Road entrance, was rearranged to a great extent to make room for stock removed from Bay Ridge Parkway Nursery, which had to be abandoned on account of occupation of the grounds by the Navy Department, and for better nursery arrangement to permit of more economical operation and greater production.

In addition to regular seasonable work of plant propagation, plant care, transplanting to outside gardens, cultivating within nursery and of outside gardens and looking after of premises, the horticultural forces assisted during the winter in the removal of snow and ice from walks and roads and in cleaning lake for skating.

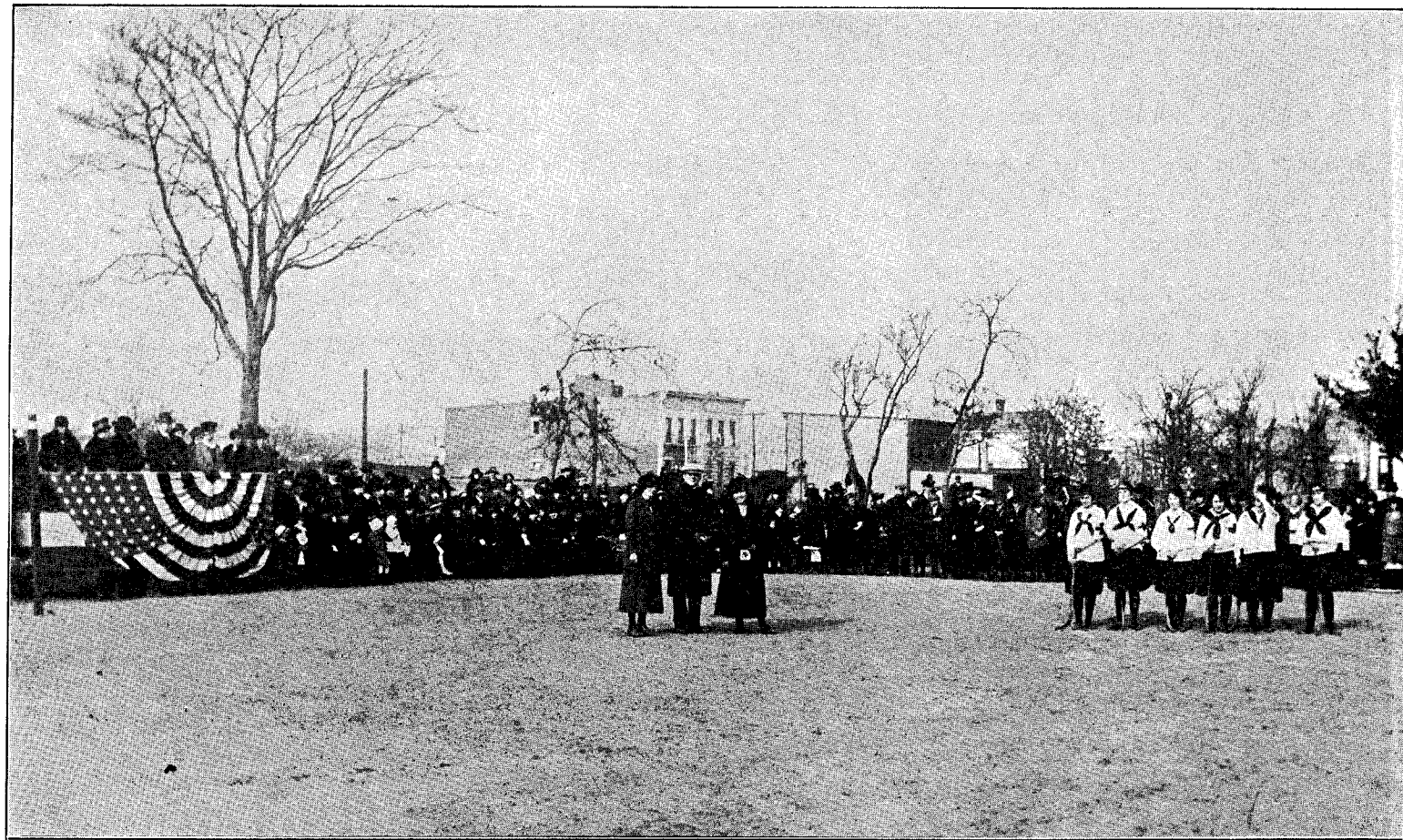
The flower gardens in all parks were well cared for as were the Farm Gardens at McCarren Park, Betsy Head Park, Highland Park and Fort Greene Park. All plots were fertilized as required and leveled for the winter season.

The large Flower Garden, Prospect Park, this year presented an unusual and interesting sight, in that in addition to its luxurious floral display, there was laid out a number of floral carpet designs of different wordings, requesting visitors to buy war bonds and to subscribe to the different war charities.

Additional floral beds were laid out in Seaside Park, Fort Greene Park, Brooklyn Heights Parks, Tompkins Park, Grant Square Park, Cuyler Park, Winthrop Park, Lincoln Square Park, Saratoga Park, Irving Square Park, Fort Hamilton Park, Sunset Park, Red Hook Park, Amersfort Park and Cooper Park.

The following is list of plants raised and set out this year:

Flowering Plants—perennials and annuals.....	5,700
English Ivy planted in Prospect Park	3,500



Formal Opening, Bay Ridge Hockey Field.

Large English Ivy in frames.....	3,300
English Ivy propagated in frames.....	16,000
Honey-suckle propagated in frames	3,500
Golden Privet propagated in frames	5,000
Euonamus propagated in frames	8,000
Evergreens propagated in frames	500
Azaleas propagated in frames	400
Herbaceous Plants—Flower Garden, Prospect Park	30,000
Annual Plants—Flower Garden, Prospect Park.....	20,000
Bedding Plants—Flower Garden, Prospect Park.....	125,000
Chrysanthemums	1,800
Tulips planted in Formal Garden	32,000
Flowering Shrubs in Nursery, Prospect Park.....	28,000
Total	282,700

Assistance was also given in the pruning of shrubbery and a large quantity of sod was cut from remote areas, which were later graded and seeded and laid on wornout areas in Prospect Park and smaller parks.

RECREATION ACTIVITIES 1918.

The Recreation work was carried on with the purpose to minimize cost of operation without interfering with general usefulness of facilities to the public.

The parks of this borough have been the scenes of a number of very impressive celebrations of a military character that attracted large numbers of people. It cannot be said that the facilities for recreation furnished by this department were used as extensively as they have been in recent years. The falling off in attendance was, no doubt, due to the fact that young men who had previously used our playgrounds and athletic fields entered military service, and those who were not actually in the fighting spent leisure time in other forms of war activities. On account of advanced cost of living many of the larger boys and girls were compelled to seek occupations.

The present recreation facilities of this department are in good condition, and have been improved and developed as far as funds would permit. I am making some recommendations in another section of this report which I believe will make the playgrounds ideal, and will increase their usefulness to the public to a very great extent. The real need of this department is to secure additional land for recreational purposes. Brooklyn has entirely too few playgrounds. Some of our most densely populated sections have not been provided with a breathing space of any kind.

While I realize that the financial condition of the city will not permit the spending of large sums of money at the present time, I believe some

plan should be worked out whereby we could build and equip two or three new playgrounds each year, until such time as every section of Brooklyn would have some space where at least its children could participate in active recreation in a place safe from bodily injury, and where surroundings would be beneficial to their health.

FACILITIES FOR ACTIVE RECREATION IN OPERATION 1918.

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 Aves.....	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.
Cooper Park .....	.15	Maspeth Ave. & Olive St.....	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 Ave.....	Boys' Playground, Athletic Field and Track, Girls' Playground & Social Cen- tre, Tennis Courts, Baseball Diamonds & Football Fields.
McKibbin Playground	1.37	McKibbin, Seigel & White Sts.....	Boys' & Girls' Playground, Baseball Field.
McKinley Park	3.00	7th Ave. & 76th St.....	Baseball & Football Field, Tennis Courts.
McLaughlin Playground	3.30	Bridge, Jay and Tillary Sts.....	Boys' & Girls' Playgrounds.
New Lots Playground	2.29	Sackman & Christopher Sts.....	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 & Park- side Aves.	Baseball Diamonds, Bowling on the Green, Cricket Fields, Football Fields.

Name	Acreage	Location.	Description.
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 Ave.....	Boys' & Girls' Playgorunds.

PLAYGROUND Operated on Property Loaned to Department.

Bushwick H. S. A. F.	Putnam, Irving & Knickerbocker Aves..	Baseball and Football Field.
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RECREATION PIER.

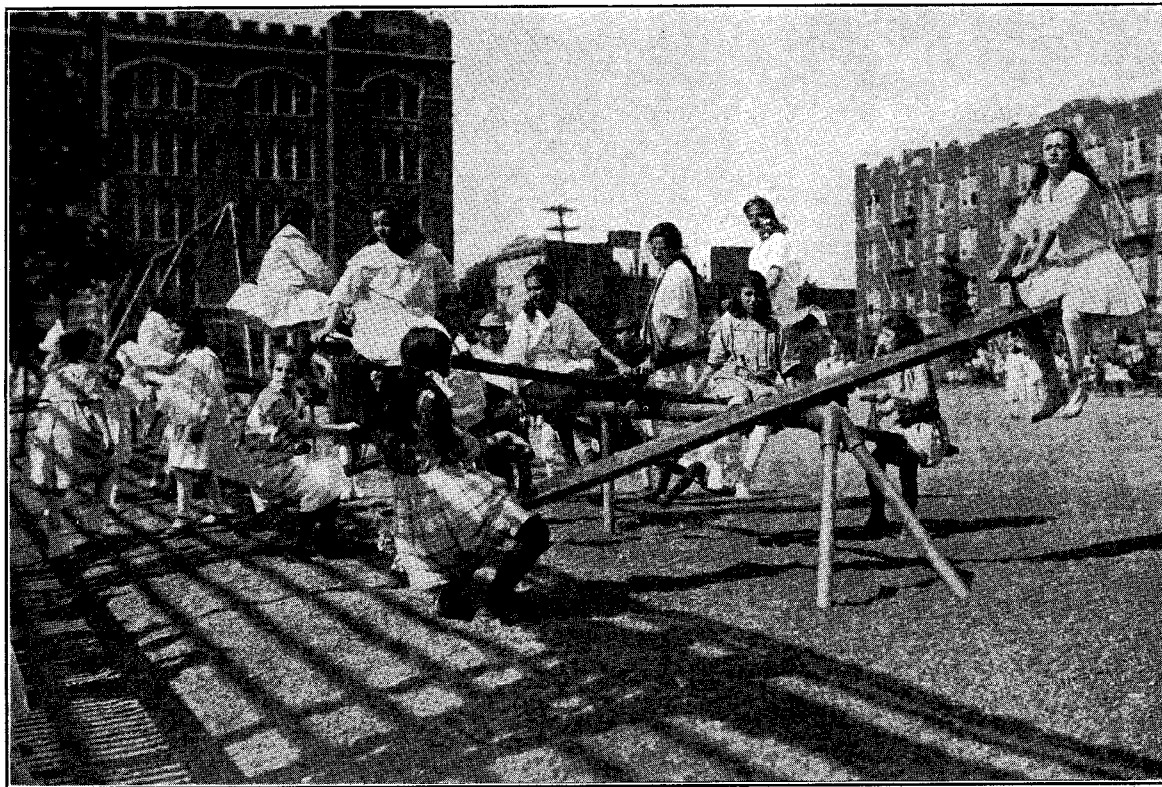
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CHILDREN'S FARM GARDENS.

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

PERMITS ISSUED 1918—PARKS AND PLAYGROUNDS.

	Athletic Meets	Base- ball	Cricket	Cro- quet	Cross Coun- try	Field Hock- ey	Foot Ball	Golf	Ice Hockey	Model Yachts	Pic- nics	Tennis	Tents	Total
Betsy Head	10	...	...	...	...	...	...	...	...	...	...	...	...	...
Canarsie .....	...	...	...	...	...	...	...	...	...	...	21	...	...	...
Dreamland .....	...	...	...	...	...	...	...	...	...	...	1	...	23	...
Dyker Beach .....	...	...	...	...	...	...	...	360	3	...	9	...	...	...
Ft. Hamilton P. G. ....	...	58	...	...	...	...	...	...	...	...	7	4	...	...
Highland .....	...	201	...	...	...	...	...	...	...	...	15	1,352	...	...
Lincoln Terrace .....	...	...	...	...	...	...	...	...	...	...	4	...	...	...
McCarren	8	203	1	...	...	...	...	...	...	...	...	296	...	...
McKinley	2	11	...	...	...	...	3	...	...	...	108	231	...	...
McLaughlin	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Parade Ground	2	1,737	...	...	...	...	11	...	...	...	...	...	...	...
Prospect	1	...	9	134	5	7	17	...	2	23	567	1,305	...	...
Red Hook .....	...	...	...	...	...	...	...	...	...	...	5	...	...	...
Saratoga .....	...	...	...	...	...	...	...	...	...	...	2	...	...	...
Sea Side	1	...	...	...	...	...	2	...	...	...	1	...	...	...
Sunset .....	...	5	...	3	...	...	...	...	...	...	133	143	...	...
Tompkins .....	...	...	...	...	...	...	...	...	...	...	2	...	...	...
Total	26	2,215	10	137	5	7	33	360	5	23	875	3,331	23	7,050



Children's See-Saws, Betsy Head Playground.

STAFF.

The staff directing the recreation activities of the playgrounds consisted of one Supervisor of Recreation and nineteen permanent play leaders. During the spring and summer eighteen additional temporary play leaders were employed.

The Children's Farm Gardens were operated by two Farm Garden Directors and six School Farm Attendants.

The outdoor swimming pool at Betsy Head Playground required three swimming instructors.

SUPPLIES.

All of our playgrounds have a fair quantity of supplies on hand. The supplies have been equally distributed among all playgrounds, and no playground has a surplus of supplies that could be used to better advantage elsewhere.

APPARATUS AND EQUIPMENT.

All apparatus and equipment used in the playgrounds have been repaired and kept in good condition. Most playgrounds are very well equipped, but a few could use additional apparatus to advantage.

A number of phonographs were purchased and have proved a very big assistance to play leaders in teaching the children folk dancing. They were also used at the local festivals and celebrations held in the playgrounds.

Canvas awnings were purchased and placed over the baby swings in five playgrounds. Formerly on a hot sunny day mothers could not put their babies into the swings on account of excessive heat. These awnings provided shade for the children and mothers.

To give the thousands of children who visit the Picnic Grounds in Prospect Park an opportunity to have a swing and a see saw, twelve large swings, twelve see saws and two giant strides were purchased and will be erected early next spring.

SPECIAL CELEBRATIONS.

Many celebrations were held in the parks. This department co-operated with the organizations arranging the celebrations. Bandstands and speakers platforms were erected and decorated, benches were supplied, and sections of our various parks were staked and roped off.

May 24—Erasmus Hall High School—Girls' Field Day. Eleven thousand girls participated in Intergrade Athletic Contests on the Hockey Field in Prospect Park. This event was viewed by about two thousand spectators.

May 29—Board of Education—Girls' Branch of the Public School Athletic League. Eight thousand children from practically every public school in Brooklyn participated in a series of folk dances on the Long Meadow. About five thousand spectators.

June 6—Anniversary Day Celebration—The Sunday School Children of Brooklyn on the Long Meadow. Eight thousand spectators.

June 24—Graduation Exercises of Public Schools—Districts 33 and 35, at the Bandstand in Prospect Park. Ten hundred twenty-four children from eleven schools were presented with their diplomas. Ten thousand spectators.

June 24—Public School Kindergarten Association Play Festival on Long Meadow. One thousand children participated in singing, games and dances. Five hundred spectators.

June 15—Junior League of the American Association for the Planting and Preserving of City Trees Field Day at Hockey Field, Prospect Park. Two thousand five hundred spectators.

June 22—Camp Fire Girls—Grand Annual Meeting—Peninsula, Prospect Park.

FOURTH OF JULY CELEBRATIONS.

Bedford Park—Band Concert.

Betsy Head Playground—Boys' Athletic Meet and Girls' Games; Band Concert.

Bensonhurst Park—Gravesend Board of Trade Celebration.

Bushwick Park—Band Concert.

Bushwick Athletic Field—Bushwick-Ridgewood Celebration; Boys' Athletic Meet and Girls' Games.

Carroll Park—Band Concert.

Cooper Park—Band Concert.

Fort Greene Park—Boys' Athletic Meet and Girls' Games.

Highland Park—Highland Park Civic Ass'n. Celebration.

Irving Square Park—Mayor's Committee on National Defense Celebration.

McCarren Park—Band Concert; Boys' Athletic Meet and Girls' Games.

McKibbin Playground—Boys' Athletic Meet and Girls' Games.

McKinley Park—Band Concert.

McLaughlin Park—Band Concert; Boys' Athletic Meet and Girls' Games.

New Lots Playground—Boys' Athletic Meet and Girls' Games.

Prospect Park, Music Stand—Knights of Columbus Celebration.

Red Hook Playground—Boys' Athletic Meet and Girls' Games.

Saratoga Park—Band Concert.

Sunset Park—Band Concert.

Tompkins Park—Band Concerts.

Underhill Gore—Band Concert.

Williamsburg Bridge Playground—Boys' Athletic Meet.

64 Montrose Avenue—Celebration.

July 14—Knights of Columbus Celebration—Bastile Day—Band Stand, Prospect Park. Fourteen thousand spectators.

August 18—United Polish Societies, Patriotic Meeting at McCarren Park. Twelve thousand people attended.

August 25—Kings County Historical Society Celebration—The Battle of Long Island, at Band Stand, Prospect Park. Attendance six thousand.

September 1—Heroes' Day Memorial Exercises at Band Stand, Prospect Park.

September 2—Central Labor Union of Brooklyn and Queens and Affiliated Unions—Labor Day Celebrations, Prospect Park. Forty thousand members of the various Brooklyn Unions paraded into Prospect Park and assembled at the Bandstand. Athletic events, music and addresses made up the program.

September 22—Unveiling Ceremonies—Dedication of Brooklyn's Honor Roll, Flower Garden, Prospect Park. The ceremonies were presided over by the Mayor. The Honor Roll is composed of the names of the men of Brooklyn who died in the service of their country. Each name was painted in gold letters on glass and placed in a rustic frame.

PLAYGROUND FESTIVALS AND CELEBRATIONS.

On the principal holidays local festivals and celebrations were held in the children's playgrounds. Programs appropriate for each occasion were arranged by the play leaders. The preparations created interest and activity among the children and their parents.

BABY PARADES.

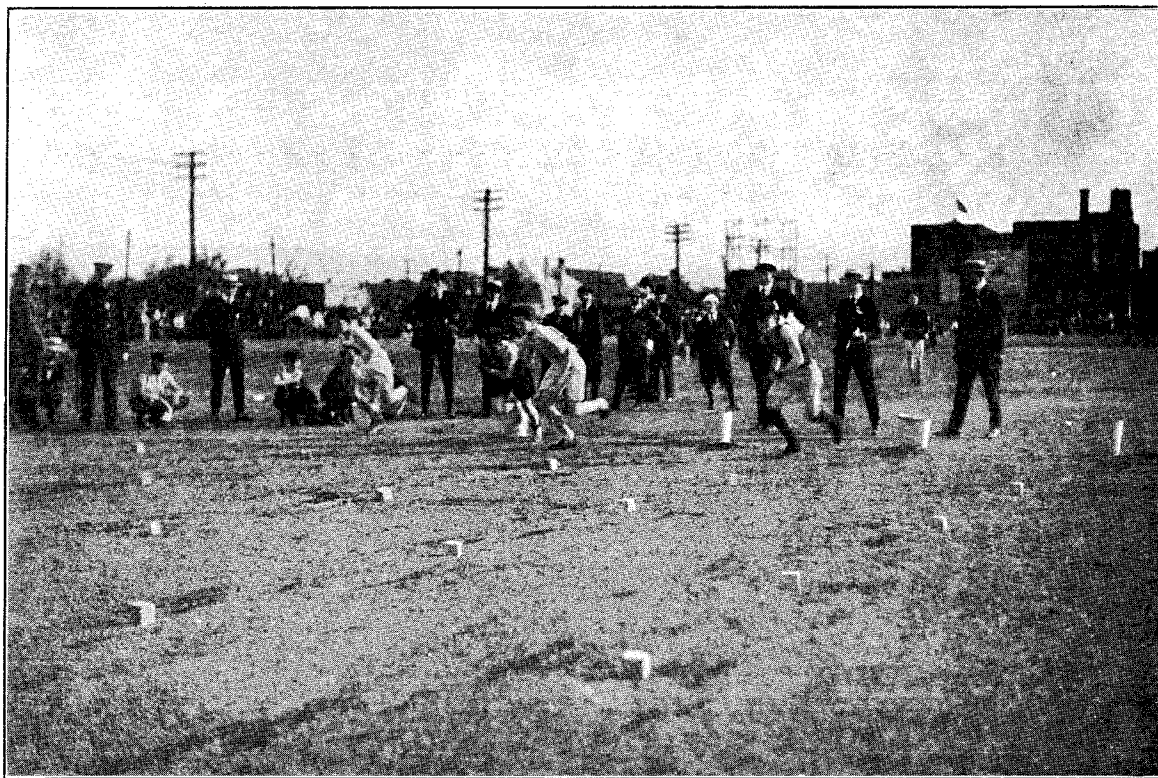
Baby Parades were held in all playgrounds on May 4th. A committee of ten mothers was selected by the play leaders at each playground to arrange details, to solicit prizes and to act as judges. About seven hundred babies were entered. Many prizes were secured and large numbers of people viewed these parades.

FIELD DAY.

A very interesting program was arranged for park playground children on the Long Meadow, Prospect Park, Saturday afternoon, September 14th. After rehearsing for six weeks at their local playground, about one thousand children participated in the patriotic program, which consisted of calisthenics, dumb-bell, wand and flag drills, by groups of about fifty boys, and dances of nations associated with this country in the war, by groups of about sixty girls. The children were attired in the costumes of the nations which they represented.

CONCERTS PAID FOR FROM BUDGET APPROPRIATION.

PARKS.	Number of	
	Concerts.	Total Attendance.
Bensonhurst Park	2	1,900
Bushwick Park	2	1,550



Potato Race, 4th of July Athletic Games.

Carroll Park	3	3,000
Cooper Park	2	2,200
Fort Greene Park	3	2,600
Fort Hamilton Park	2	1,500
Irving Square Park	2	2,400
Lincoln Terrace Park	2	1,800
McLaughlin Park	2	400
Metropolitan Avenue Pier	4	4,000
Prospect Park	15	166,875
Red Hook Park	2	800
Saratoga Park	3	3,100
Sunset Park	6	7,700
Tompkins Park	2	5,000
Winthrop Park	6	9,100
	<hr/>	<hr/>
	58	213,925

VOLUNTEER CONCERTS.

Carroll Park	2 by Our Lady of Peace Band.....	2,200
Prospect Park	2 by 13th Coast Artillery Corps Band.....	12,000
Tompkins Park	1 by Central Y. M. C. A. Symphony Orchestra	1,200
	<hr/>	<hr/>
	5	15,400

MAYOR HYLAN'S PEOPLES CONCERTS.

	Attendance
July 6—Prospect Park—Police Department Band	1,000
July 12—Bushwick Park—Police Department Band	1,200
July 13—Prospect Park—Police Department Band.....	1,500
July 13—Dreamland Park—Police Department Band.....	1,200
July 14—Tompkins Park—Street Cleaning Department Band..	1,500
July 28—Highland Park—Police Department Band.....	2,000
July 28—Amersfort Park—Police Department Band.....	500
August 4—Bushwick Park—Street Cleaning Department Band.	1,200
August 15—Prospect Park—Nahan Franko's Symphony Orches- tra of 100 pieces. Concert given as a tribute to heroic Bel- gium. Mr. Emile Cammaerts' poem "Carillon" interpreting the spirit of Belgium, was recited by Mr. Carlo Liten, the eminent Belgian tragedian	15,000
Sept. 2—Saratoga Park—Police Department Band	2,000
Sept. 15—Tompkins Park—Police Department Band.....	1,500
Sept. 28—Bushwick avenue and Morrell street	2,500
Oct. 6—Prospect Park—Great Lakes Naval Training Station Band of 350 pieces. Lieut. John Philip Sousa, conductor....	300,000
Oct. 13—Prospect Park—Fourth Liberty Loan Feature Concert—	

The Royal Band of the Italian Grenadier Guards of Sardinia,
60 pieces. Giovanni Tarditi, Maestro and Chevalier, con-
ductor 40,000

101,100

MOTION PICTURES.

During the summer months motion pictures were shown in our parks. The pictures exhibited showed the various opportunities for outdoor recreation. A few comedy and educational reels were shown. These pictures were exhibited at

Winthrop Park,
Carroll Park,
Tompkins Park,
Saratoga Park,
Highland Park,
Fort Greene Park,
Betsy Head Playground, and
McCarren Park.

About 15,000 people attended these entertainments.

Official Government films depicting the various war activities of the United States were shown to about 10,000 people at

Sunset Park,
Betsy Head Playground,
Highland Park,
Fort Greene Park, and
Winthrop Park.

The Committee on the Prevention of Tuberculosis of the Brooklyn Bureau of Charities exhibited educational films at McLaughlin Park, McCarren Park, Betsy Head Playground, Winthrop Park and Bushwick Park.

ATHLETIC.

This department has two first-class Quarter Mile Running Tracks letes. The tracks have adjacent field houses, provided with lockers and shower baths.

At the Betsy Head Running Track field days were held by the following schools and organizations:

P. S. 61, 66, 70, 150, 156, 178.
The Afco Club, Glory of Zion A. A.
The Hebrew Educational Society.
Kings County A. A.

The McCarren Park Track was used by:

P. S. 23, 110 and 166.
American Walkers Association.

Carlton Branch Y. M. C. A.

Navy Branch Y. M. C. A.

Shaari, Zion Organization.

Shaari Zedak Organizations.

Field Days were also held in some other playgrounds.

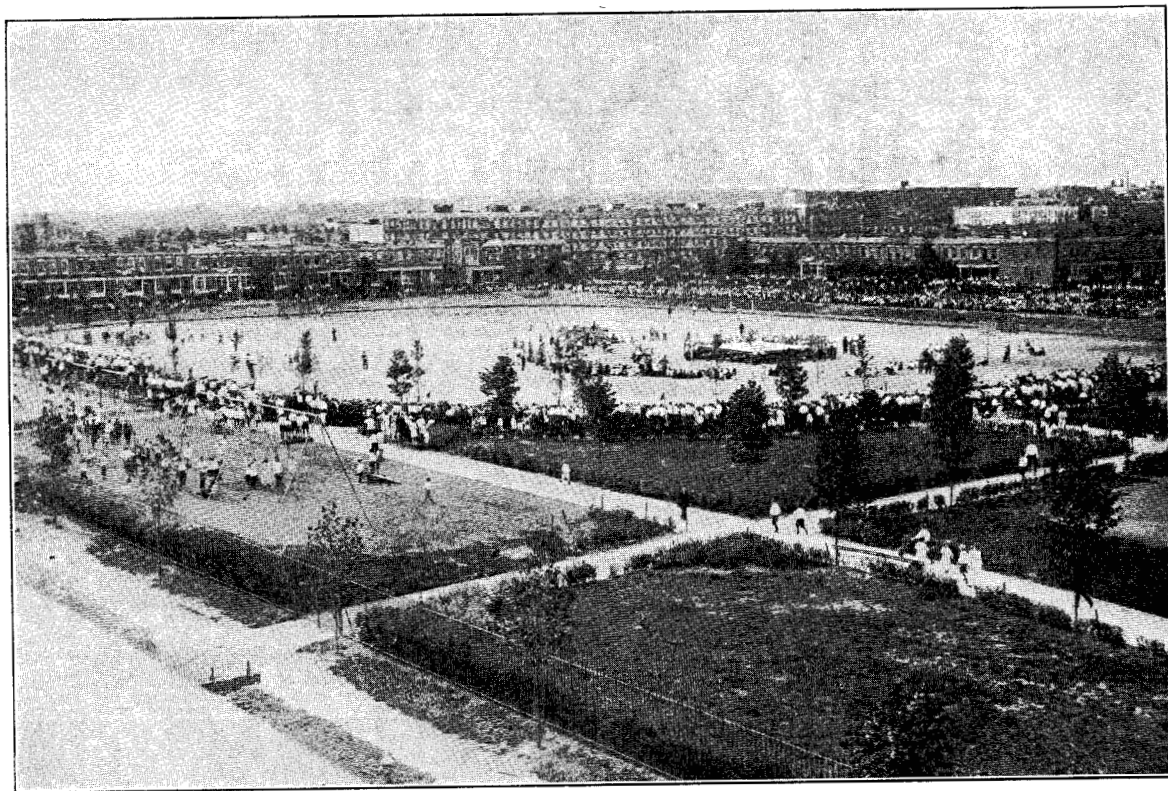
The Third Annual Spring Athletic Championship of the Brooklyn Park Playground Association, composed of boys and young men who frequent our playgrounds, was held Decoration Day at McCarren Park. Elimination meets were held in all playgrounds about two weeks previous. Over three thousand boys participated. The eight best in each event were selected to compete at the final championships. Eleven events were on the program. The prizes consisting of gold-filled, silver and bronze medals, were donated by the Greenpoint Taxpayers and Citizens' Association, and the Greenpoint Home News.

There were also a number of boxing and wrestling exhibitions, and a military drill by the armed draft detail from the Navy Yard. Despite a drizzling rain, about four thousand spectators turned out to witness the games.

The Fourth of July was our biggest day for athletics. One hundred and fifty-one events for boys and girls were contested in nine playgrounds. The prizes, which consisted of gold-filled, silver and bronze medals, were given by the Mayor's Committee on National Defense. Each Aldermanic district was assigned a band for the day, and by co-operating with the aldermen in the sections where our playgrounds are located we had bands assigned to play at our athletic meets. The following is a record of competitors and attendance:

	Boy Competitors.	Girl Competitors.	Attendance.
Betsy Head	400	150	11,000
Bushwick	185	130	5,000
Fort Greene	148	100	2,500
McCarren	218	95	2,500
McKibbin	104	90	3,000
McLaughlin	190	69	600
New Lots	225	70	3,500
Red Hook	148	80	1,000
Williamsburg	191		400
	<hr/> 1,809	<hr/> 775	<hr/> 29,500

The Fall Athletic Championships were conducted along similar lines to the Spring games, and were held at the Betsy Head Athletic Field on Labor Day. About 700 boys competed. The games were enjoyed by about 8,000 people. The medals were donated by the Children's Year Committee of the Mayor's Committee of Women on National Defense.



Playground Boys Spring Athletic Championships, McCarren Park. Quarter-Mile Track.

Five teams of young men from our playgrounds were entered in the Evening Mail Modified Marathon Race on May 4th. Three teams from the Brooklyn playgrounds finished. The team from Betsy Head Playground was winner of first place in the playground group for the third year in succession.

The American Walkers' Association held three road races on Ocean Parkway. They used the facilities at the Parade Grounds for dressing purposes and walked to Coney Island and return.

A Cross Country Course was marked out in Prospect Park and was used by the following High Schools for training purposes:

Erasmus Hall,
Boys' High,
Commercial,
Polytechnic Preparatory Country Day School, and
Manual Training.

The High School Championships of Brooklyn were held over this course in the Fall.

BASEBALL.

The baseball field at the Parade Grounds, with its Field House, which has forty-seven rooms for dressing purposes furnished with twelve lockers each, and equipped with twenty-two shower baths is, no doubt, the best field of its kind in the country. The demand for diamonds was not so heavy as usual this season. However, there were few days on which the major portion of the twenty-five diamonds on this thirty-nine and one-half acre field were not in use. While a number of the teams that usually made use of the diamonds had to disband on account of members going into military service, a large number of teams from the various branches of the Army and Navy made use of the field.

The field was open daily from 10 a. m. to 6 p. m. Sundays 1 to 6 p. m. Permits were issued to individual teams for the periods they desired from 10 a. m. to 12 m., from 1 to 3:30 p. m., and from 4 to 6 p. m. Season permits were granted to public and parochial schools, high schools and other educational institutions to hold tournaments; and to the following organizations:

Brooklyn Amateur League,
Commercial Baseball League,
Fire and Casualty Insurance League,
Y. M. C. A. League,
Y. M. H. A. League.

Fifteen thousand spectators usually witnessed the games on Saturday and Sunday afternoons.

No Inter-Park baseball championships were held this season due to the fact that we were unable to secure prizes.

BATHING.

It was estimated that over a million and a half people made use of the bathing beach at Dreamland during the summer months.

BOWLING ON THE GREEN.

The land set aside at the Parade Grounds for bowling on the green was used principally by the Brooklyn Bowling Green Club. Many teams from other cities rolled match games against the Brooklyn teams.

COASTING.

Sections of Highland, McKinley, Prospect and Sunset parks were set aside for coasting. Care was used to select hills not dangerous for children to use. In Prospect Park a coasting slide was arranged which started at the Payne Monument and sloped down into the Long Meadow. This was about one quarter mile long. The sides of the slide were banked with snow to prevent going off the courts. Twenty days of coasting were enjoyed in January and February. The number of people who took advantage of these coasting facilities was:

Highland Park	33,300
McKinley Park	8,275
Prospect Park	35,000
Sunset Park	18,200
<hr/>	
Total	94,775

CRICKET.

Season permits were issued to the following organizations to use the cricket fields at the Parade Grounds:

Brooklyn Cricket Club,
Colonial Cricket Club,
Governor's Island Club,
Manhattan Cricket Club,
United Cricket Club,
Veterans Club, and the
West Indian Cricket Club.

CROQUET.

The Croquet Field in Prospect Park met with its usual popularity. One hundred thirty-four permits were issued, for which a charge of fifty cents was made. These permits entitled the players to use a locker at the croquet house for storing paraphernalia, and use of the field for entire season.

FIELD HOCKEY.

The four hockey fields in Prospect Park were kept in excellent condition and were used extensively during the spring and fall. Season permits were issued to girls of the following schools:

Adelphi College,
 Bay Ridge High School,
 Berkeley Institute,
 Brooklyn Heights Seminary,
 Erasmus Hall High School, and
 Manual Training High School.

In the fall a new hockey field was opened at 6th avenue and 67th street, on Bay Ridge Parkway. This field will be used principally by girls from the Bay Ridge High School.

FOOTBALL.

After the close of the Baseball season the Parade Grounds were used for rugby and soccer football. A number of teams from the Army and Navy made use of the field. The Bushwick, Commercial, Erasmus and Manual Training High School soccer teams played their Inter-Class and Tournament games at the Parade Grounds.

GOLF.

This department has no public golf course on park property, but was able to make an arrangement with the Marine and Field Club, whereby the public could use its golf course, which is located mostly on private property with exception of a few holes within the area of Dyker Beach Park. The club keeps all of the greens in condition, including those belonging to the city. This department may extend the privilege of playing over the course to persons willing to pay the regular daily fees charged to guests of club members. Three hundred and sixty permits were issued to people who desired to use the course under these conditions.

ICE SKATING.

The very cold weather of last winter provided plenty of sport. Twenty inches of ice were recorded on some days when test measurements were taken on the lakes in Prospect Park. The season ended February 28th.

Parks.	No. Days Skating	Total Attendance.
Amersfort Park	30 days	1,640
Bushwick Playground	67 days	24,000
Betsy Head Playground	56 days	47,175
Dyker Beach	34 days	8,925
Fort Greene Park	56 days	2,630
Highland Park	57 days	125,650
McCarren Park	51 days	98,985
McKinley Park	62 days	22,498
Gravel Pit	38 days	40,950
Parade Grounds	39 days	22,050
Prospect Park	31 days	230,425



Ice Skating, Prospect Park.

Red Hook Playground	54 days	6,385
Sunset Park	47 days	23,700

Total 655,013

LAWN TENNIS.

This department has 300 tennis courts under its jurisdiction. Three hundred of these are grass courts laid out in Prospect Park. At Highland Park 28 first-class clay courts; 16 at McCarren; 6 at McKinley, and 4 at Sunset Park. The others are distributed in children's playgrounds. Three thousand three hundred and thirty-one season permits for playing on these courts were issued. At Prospect Park there is a Field House in which tennis players can store nets, rackets, balls, etc. Three hundred and fifty-six permits for private lockers were issued, for which a charge of \$1 was made; and two hundred and forty-nine permits for general lockers at 50 cents.

MINIATURE YACHTING.

The large lake in Prospect Park was used by a number of men for sailing miniature yachts and holding races. A charge of \$1 was made for storing yachts in the miniature boat house.

PICNIC PARTIES.

May Parties and June Walks were held in fourteen parks. Eight hundred seventy-five permits were issued to various schools, churches and social organizations. Five hundred sixty-seven picnics were held in Prospect Park, where we have a Picnic Ground with plenty of shady trees, and a good supply of tables and benches. Many of the groups consisted of more than one thousand children.

SWIMMING.

A Carnival of Water Sports was held at the Betsy Head Playground Outdoor Swimming Pool on September 5th. One hundred competitors participated in swimming and diving events arranged for boys, girls, men and women. Some of the most prominent swimmers of the Metropolitan district competed.

In the boys and girls events the majority of the contestants were taught to swim in the Betsy Head Pool.

A feature of the Carnival was an Exhibition Water Polo game between two teams from the United States Navy. The pool, which is 150 feet long and 60 feet wide, is ideal for holding events of this character. About two hundred spectators were present.

DREAMLAND BEACH DAY CAMP.

The covered space set aside for the use of mothers and babies was used by a large number of children who otherwise would not have an opportunity of spending a day at the seashore. Season permits were issued to the following organizations:



Playground Boys Fall Athletic Championships, Betsy Head Playground. Quarter-Mile Track.

- 1—Ahawath Chesed Day Nursery
- 2—Association for Improving the Condition of the Poor
- 3—Bryson Day Nursery
- 4—Catholic Settlement Association
- 5—Chelsed Day Nursery
- 6—District Nursing Committee
- 7—Faith Mission
- 8—Friendly Aid Society Kindergarten
- 9—Grace Church
- 10—Kings Daughters Day Nursery
- 11—Knickerbocker M. E. Church
- 12—N. Y. Avenue M. E. Church
- 13—N. Y. Female Auxiliary Bible Society
- 14—South Congregational Church.

CHILDREN'S FARM GARDENS.

The four Children's Gardens operated by this department provided healthful outdoor recreation for over two thousand children. The educational value of this work cannot be overestimated. The children are instructed in each operation required in the growing of vegetables from the time ground is prepared for planting until vegetables are harvested. The majority of these children would never have an opportunity to see vegetables grow if it were not for these gardens.

This season on account of the shortage of food throughout the country, the work was of unusual importance. That the children did their bit is shown by the fact that the crops harvested from the four gardens if purchased from local dealers would cost \$7,742.21. In the spring the gardens were plowed and harrowed, the plots and paths laid out, and were spaded and raked. Boys and girls were registered and assigned plots. The school farm directors gave the children their first lessons in planting in groups of twenty-five; they were then given free seeds to plant in the plots assigned to them. The principal vegetables planted were beans, beets, carrots, corn, kohlrabi, lettuce, radishes and swiss-chard. A variety of other vegetables were grown in the observation plots.

The children were taught how to cultivate, thin, transplant and water their plots. They were also instructed in general garden work, such as combating insects, caring for paths, cutting grass and trimming hedges.

Two plantings were made at each garden and an entirely new set of children were selected for the second planting. All vegetables were taken from the plots as soon as matured; and a general harvest festival was held at end of each session, at which the entire garden was cleaned out. Many classes from public schools came to the gardens for nature study lessons accompanied by their teachers, and were given lectures on



Harvesting Crops, Betsy Head Children's Garden.

the growing of plants and vegetables by the Farm Garden Directors. Manual Training and Domestic Science were taught to children who visited the gardens. They were instructed in woodwork, sewing, knitting and basketry, and were given demonstrations in canning and cooking.

Educational exhibits such as the products of grain, hemp, flax, jute, cotton, etc., were displayed in the buildings adjacent to gardens.

MODEL BACK YARD GARDENS.

25' x 40', were planted at the four Children's Gardens, and at the Nursery in Prospect Park, at which information and advice regarding planting of vegetables were given.

To encourage the planting of War Gardens, ten thousand "Plant a War Garden" pamphlets were distributed through the schools of Brooklyn and the Children's Gardens. A diagram of a Model Back Yard Garden, and hints telling when, what and how to plant, were printed in this pamphlet. Following is a record of dates on which the gardens were planted and harvested, and value of vegetables taken from the plots:

Betsy Head Farm Garden—

298 individual plots 4' x 9'.

1st crop planted May 1, harvested July 10.

2nd crop planted July 14, harvested Oct. 28.

Value of vegetables harvested at prevailing scale of prices in neighborhood stores:

1st harvest average yield \$3.58 per plot.....	\$1,066.84
2nd harvest average yield \$3.70 per plot	1,102.60
Model Gardens—School and Observation plots.....	167.00

\$2,336.44

Fort Greene Farm Gardens—

144 individual plots 4' x 9'.

1st crop planted May 3, harvested July 12.

2nd crop planted July 21, harvested Oct. 27.

Value of vegetables harvested at prevailing scale of prices in neighborhood stores:

1st harvest, average yield \$3 per plot	\$432.00
2nd harvest, average yield \$3.26 per plot	469.44
Model Gardens and Observation plots	36.65

\$938.09

Highland Park Farm Gardens—

140 Individual plots 4' x 9'.

1st crop planted May 1, harvested July 9.

2nd crop planted July 12, harvested October 19.

Value of vegetables harvested at prevailing scale of prices in neighborhood:

1st harvest, average yield \$3.23 per plot	\$419.90
2nd harvest, average yield \$3.68 per plot	478.40
Model Garden School Observation plots	78.00
	<hr/>
	\$976.30

McCarren Park Farm Garden—

500 Individual plots 4' x 9'.

1st crop planted May 2, harvested July 11.

2nd crop planted July 20, harvested October 26.

Value of vegetables harvested at prevailing scale of prices in neighborhood stores:

1st harvest, average yield \$3.15 per plot	\$1,575.00
2nd harvest, average yield \$3.56 per plot	1,780.00
Model Garden School Observation plots	136.38
	<hr/>
	\$3,491.38
	<hr/>
	\$7,742.21

FARM HOUSE McCARREN PARK.

The building at McCarren Park used in connection with Farm Garden work was made use of during winter months by twelve organizations for holding weekly social gatherings and meetings.

PICNIC HOUSE, PROSPECT PARK.

The Picnic House in Prospect Park was rented to fifteen clubs and societies to hold sociables. A fee of ten dollars for each evening was charged. Permits were issued to six organizations to help raise funds for patriotic purposes.

BETSY HEAD BATH.

The Bath House at Betsy Head Playground was open from 8 a. m. to 10 p. m. daily. One side of the building was used for boys and men, the other for girls and women. Towels and soap were provided for one cent each. The Swimming Pool was open from June 15 to September 14. One side of the building was generally used by those desiring to use the swimming pool, and the other side for those who wanted shower baths only. A charge of seven cents was made for use of the pool. A bathing suit, towel and soap were furnished to each bather. When attendance was small instruction in swimming and diving were given by our swimming instructors. The number of people who took shower baths was 271,815 against 351,324 last year. The swimming pool was used by 50,473 people, as against 105,671 last year. This decrease was, no doubt, due to war conditions, and possibly to the advance in price from five to

seven cents for use of the pool was also responsible. Table on page 77 shows record of people who used the shower baths and swimming pool up to November 30, 1918.

MAINTENANCE OF PARKWAYS AND WALKS.

(Repairs—Cleaning—General Upkeep.)

General.

During the year it was proposed to put into effect a pavement policy which was highly desirable, and which must be soon adopted for Brooklyn parkways in order to avoid the practically prohibitive cost of general reconstruction of a number of roadways, which have greatly outlived their service period for their type of pavement; but owing to unusual labor and material conditions it became necessary to defer starting the gradual change from temporary to permanent pavements.

It is not generally known that over fifty per cent. of Brooklyn's parkways, the total area of which is over 1,350,000 square yards of pavement, is of a temporary character, such as old water bound broken stone and gravel pavement, surfaced with a very thin plastic asphaltic or tar mat as a wearing surface, which must have constant attention to be kept in a fairly good condition.

The great increase in automobile traffic, which could not have been anticipated at the time of their construction, and the fact that the roadways are subject to atmospheric changes, make it practically impossible to much longer satisfactorily maintain the old type of pavement.

The sections of the most important roadways where traffic is very heavy should be paved with a permanent pavement, such as sheet asphalt on a concrete foundation. The points in particular where this method of general improvement was to start, was the East Drive, Prospect Park, the main Plaza Entrance, Ocean Parkway Entrance, Park Circle at the beginning of Ocean Parkway, the Fort Hamilton turn on Ocean Parkway, the Coney Island end of Ocean Parkway, the traffic road Ocean Parkway, from Kings Highway to Coney Island, and sections of Ocean Parkway at a number of important intersecting streets. It was proposed to continue the policy of gradually changing from temporary to permanent pavements throughout a number of years, until all parkways were suitably paved for present day traffic. It is expected that a comprehensive program for this work will soon be presented to the Board of Estimate and Apportionment.

The practice of repairing the roadway surfaces by keeping emergency patching gangs employed practically every day throughout the year, instead of the older method of allowing a roadway surface to deteriorate and then resurface large sections of the area with new material, at a very high cost and with no better general conditions resulting, was strictly adhered to with the result that all parkways were maintained

throughout the year in a much better general condition than in previous years, and at a relative cost of practically one-half the previous year's cost per square yard.

This unusual economical operation, without deterioration in properties, made it unnecessary to request additional funds from the Board of Estimate and Apportionment, as was customary in the past. Our storage pits for roadway construction materials are better stocked this year than previously, even though we have been compelled to pay increases of from 100% to 200% for highway materials and no proportionate increase was provided in 1918 over the 1917 allowance.

Spring and Fall repairs, amounting to approximately \$10,000, were made to permanent pavements on Ocean Parkway, Parkside avenue, Eastern Parkway, Prospect Park, Plaza and Pennsylvania avenue. Repairs were made under contract guarantees to permanent pavements on Coney Island Concourse, Bushwick avenue, East Plaza street and Fort Hamilton Parkway.

In connection with our roadway drainage system, there are thousands of catch basins, some of which are termed blind basins, on account of having no outlet for lack of City sewers in immediate vicinity. These basins should all be regularly cleaned and kept free and open, not alone in order to prevent damage to road beds and the general undesirable condition of storm water remaining in gutters and at street intersections for long periods after storm, but also for sanitary reasons, in that the stagnant water and filth that collect in the basins, if allowed to remain, turn them into pest holes. Regulations were this year established so that a definite amount of labor time and team time are allowed to this very important work.

A radical change was also effected in care of roadway gutters and grass areas usually bordering same. On nearly all roadways, especially in Prospect Park and on Ocean Parkway, it would have been practically impossible for the casual observer to readily determine where the sides of roads met the gutters, where the gutters ended and grassed border commenced, the grassed borders and roadways having entirely overrun the gutters. The gutters were not thoroughly cleaned of debris down to the paving, and the grassed borders had not been edged for years. Maintenance gangs are now regularly assigned to this work.
Bay Parkway.

This parkway, which extends from Ocean Parkway to Gravesend Bay, was continually patched and kept in very good condition. It is anticipated for next year that the entire surface will be given a coat of tar and grit. The sidewalk areas from Ocean Parkway to Gravesend avenue, where permanent pavements had not been constructed, were coated with clean steam cinders, which afforded satisfactory temporary

walks. The grass and brush between sidewalk and curbs were regularly cut and removed.

Bay Ridge Parkway.

In addition to the regular roadway repair work which was carried on, this department constructed for the use of the Bay Ridge High School girls a basketball field, a tennis court and a hockey field on unused and undeveloped areas adjoining the parkway.

The basketball field at the corner of Fifth avenue was fenced in with material made up in the department's shops. The tennis court adjoining the basketball field was graded by the department's forces and the top soil removed used in surfacing the hockey field. The hockey field, which is three-quarters of an acre in area, is located on the southwest corner of Bay Ridge Parkway and Sixth avenue. The ground used had not been developed and was very irregular—practically a waste area. With the assistance of the Federal Government, over two thousand five hundred cubic yards of good soil was secured from the contractors constructing the Bay Ridge Army Building, which was deposited on the field to rough grades without cost to the city. The finished grading was done by the department's forces and the field opened as a clay surfaced hockey field in the Fall. At close of the season the area was topsoiled and again graded. Grass seed will be sown in early spring and a privet hedge border planted around the field.

Bushwick Avenue.

On account of the parkway characteristics of Bushwick avenue, which, for a number of years the citizens of Brooklyn have endeavored to have put in the care of the Park Department, the Board of Estimate and Apportionment, under authority of the State Legislature, transferred the section of this important driveway, from Myrtle to Jamaica avenues, which forms a connecting link between Brooklyn's parks and parkways, from the jurisdiction of the Borough President to the Park Commissioner. Signs prohibiting business wagons, trucks, etc., were immediately placed and established park rules and regulations enforced. Efforts are now being made to improve tree conditions and to encourage proper development of the wide courtyards.

Eastern Parkway.

The practical completion of the section of Eastern Parkway subway, between New York and Buffalo avenues, the construction of which had, of necessity, kept the side roadways in poor condition on account of heavy trucking and contractor's cuts, permitted this department to cause extensive repairs to be made to the permanent asphalt pavement on the side roads, which are now in satisfactory condition after four years of disorder. The subway contractor is now completing restoration of the main roadway and cycle paths and parking spaces adjoining.

Fort Hamilton Parkway.

In early spring the contract for improvement of this parkway was completed. The roadway from Ocean Parkway to 37th street, which was narrowed five feet and curbed with a steel-nosed concrete curb, was paved with two inches of asphaltic concrete on a six-inch Portland cement concrete base. From 37th to 64th streets the same type of pavement was laid for a width of twenty feet in the center of roadway, and two side wings re-surfaced as a macadam pavement with tar wearing surface. From 64th to 72nd streets the roadway for its full width was re-surfaced the same as the side wings on previous section. The total cost of this improvement was \$131,181.46.

The section from 72nd street to Fort Hamilton was patched regularly and in the late Fall the entire macadam roadway areas, from 37th to 74th streets were given a coat of tar and grit.

Ocean Parkway.

This most important parkway, connecting Prospect Park and Coney Island, was kept in very good condition, due to a re-arrangement of roadway repair forces. The speedway was graded, dragged and harrowed at regular intervals. All ruts were immediately filled and gutters cleaned. The cycle paths were re-surfaced with screenings where necessary, and adjoining grassed areas kept closely cut. The heavy traffic road from Kings Highway to Coney Island, which is an old macadam road, in very poor condition for years through lack of appropriation for its permanent pavement, was rough graded with new stone in the bad places. The bridle road was constantly harrowed, shaped and watered and re-surfaced with additional loam as required. The traffic road deck of Coney Island Creek Bridge, which was in dangerous condition, was entirely redecked with three inch timber. The south bulkhead of this bridge was also found in bad condition, but as funds were not secured until late Fall, the work had to be postponed until next spring, when an entire new four-inch creosoted timber bulkhead will be constructed.

Prospect Park Drives and Walks.

From two to five patching gangs have been constantly employed on roadway repairs to interior drives. The traffic on East Drive has been exceptionally heavy, on account of the poor condition of Flatbush avenue adjoining the park, which made the East Drive practically a highway to Flatbush. The present asphaltic mat, which has been in service on these roads for a number of years, is now wearing thin. It will very soon be necessary to entirely re-surface these roads if permanent pavements are not constructed. The old scrimshaw walks adjacent to the Flower Garden and the Music Stand and along Parkside avenue had badly deteriorated and in some places entirely disappeared. These areas were re-surfaced with a sheet asphalt pavement at a cost of \$3,847.81. A

new cinder walk was constructed from the Boathouse to the men's comfort station adjoining. The bridle roads were regularly cared for and resurfaced with sand and screenings.

Shore Road.

The Navy Department was given authority for temporary occupancy of the Shore Road property, between the sea wall and roadway, for the period of war. Upon vacating this land the Navy Department will restore the entire area to its previous condition to the satisfaction of this Department. A substantial six foot steel rail and wire mesh protection fence, running along the top of the bank from Bay Ridge Parkway to Fort Hamilton, was also constructed by the Government and will become the property of this department. The two large holes accommodating approximately fifty thousand cubic yards of filling material, which were left after reclaiming the land under water between the sea wall and the bottom of the bank, are also being filled in by the Navy Department. The operations to date have effected a saving to the City of over sixty thousand dollars. On account of heavy trucking now permitted on the Shore Road in connection with cantonment operations, the Navy Department is required to maintain certain sections of the driveway. The steep banks adjoining the comfort station at Fort Hamilton were graded and planted in the spring.

Other Parkways.

All other parkways were given such attention as was necessary and satisfactorily maintained.

BROOKLYN BOTANIC GARDEN.

Much of the energy of the Botanic Garden staff was devoted to independent and co-operative work in the cause of war gardens. This was made possible largely by contribution of private funds by citizens, as during the preceding year. The use of an automobile facilitated the inspection of garden plots for individual and community gardens, both before and after planting, and calls for this work taxes the Garden resources. By arrangement with the Supervisor of Lectures, practically all the lectures on War Gardens, given in Brooklyn under auspices of the Bureau of Public Lectures of the Board of Education, were given by members of the Garden staff.

On April 26 our head gardener gave a lecture on home gardening before employees of the City at the Municipal Building, Manhattan.

Over 94,000 packets of garden seeds were distributed to school children at two cents a packet, and 342 gardens, 8 ft. x 10 ft. and 67 gardens 10 ft. x 20 ft. were cultivated on the children's garden plots. The total cash value of the crop was over \$4,800. Twenty-two war gardens, averaging about 1200 sq. ft. were also cultivated by adults.

A Model Small Vegetable Garden maintained by the head gardener attracted wide public attention.

Two members of the Garden Staff have been granted leaves of absence to co-operate with the Federal Government in its plant disease survey and work of eradication and control, and in a study of the breeding and growing of castor oil plants on a commercial scale.

There has been a wide demand for the Garden leaflets on horticultural topics, and during March, April and May, 15 free public lectures were given on Sunday afternoons and Wednesday evening, at the laboratory building, on the planting and care of gardens, harvesting of crops, and related subjects.

During the winter of 1917-18 it became necessary to close the conservatories to the public and move all plants into about one-half of the greenhouse space, on account of the national shortage of coal. Many valuable plants were lost or injured. For this reason, and because of shortage of labor it has not been possible to open the conservatories to the public during 1918.

Labor shortage and war time activities necessitated a very considerable reduction in the work of developing and extending the plantations—the only new planting of any extent, being the Ericaceous planting north of Flatbush avenue gate at Malbone street, and the initial planting of the Iris Garden along the brook. In late October 80 trees of Schwedler's (purple) variety of Norway maple were set out in two double rows on either side of the esplanade leading toward the Museum building. These trees replace the flowering dogwood, found after three seasons of trial to be unsatisfactory for that location.

Public use of the Garden, for both educational and recreational purposes steadily increases, including requests for botanical information by mail, telephone, and personal visits, requests, for Garden publications, calls for study material for Botany in High Schools and Nature Study in Grammar Schools, visits of public school classes with teachers, and attendance at Botanic Garden lectures and classes by both children and adults. Artists are almost daily drawing or painting in the Japanese garden in pleasant weather.

The City appropriation (\$53,299.00 for 1918) remains inadequate to maintain the buildings and grounds in creditable state of upkeep, and to develop several acres still to be graded, top-soiled, and planted. Private funds, urgently needed for the educational and scientific work for which the Garden was primarily established, have continually to be drawn upon for purposes of maintenance.

Statistical data for period, January 1, November 31, 1918, are as follows:

1. Total Attendance (to Nov. 31)	387,388
2. Attendance to Botanic Garden Classes	23,680
3. Attendance at Visiting Classes from Schools	5,077
4. Addresses at public schools	63
5. Herbarium accessions	2,088
6. Living specimen plants received	658
7. Seed packets received in exchange from foreign botanic gar- dens	725
8. Total specimens in Herbarium (estimated)	150,000
9. Books and pamphlets received in Library	1,029
10. Books and pamphlets in the Library over.....	13,000

MUSEUMS.

Brooklyn Institute of Arts and Sciences.

The wing of the Central Museum building designated on the architects' plans as Sections F and G, is still in a state of partial completion. Plans and specifications for finishing this building were advertised and bids invited in the early part of the year, but when bids were opened it was found that the contractors were not able to do the work for the sum appropriated. It is to be hoped that conditions following the closing of the war will put it within reach of the Department to re-advertise for bids.

The Museum is overcrowded with exhibits in all departments and its store rooms are filled. Despite the inadequacy of room the Museum has continued to receive valuable objects and collections through gift, bequest and purchase, where such opportunity presented itself as would impel purchase.

Despite also the existing inconveniences occasioned by want of room and by non-completion of subway approach on Eastern Parkway, the attendance is not materially short of 1917 and is far in advance of all previous to 1915. The epidemic during the fall months was a contributing cause to reduction in attendance.

The Museum has not only been of great service to the public and to schools during the year, but it has been of help to the National Government in a practical manner.

During the school year the galleries are filled daily with classes who study the collections from the point of view of history and geography, nature study and the fine arts. These students are sometimes assisted by the Museum docent or members of the staff and by the docent of the School Art League, and often they are accompanied by their own instructors who find in the collections material for instruction with which the schools are not equipped. Two hundred classes visited the Central Museum with over 5,500 pupils.

The necessities of the war compelled the Government to utilize the resources of the natural history museums to obtain assistance for their scientific staffs in various ways, especially in the new military art of camouflage. At the instance of the naval and military authorities the Central Museum has lent many specimens and has conducted a number of experiments.

Nearly 1,000 sailors have visited the Museum on Saturday afternoons since March 1st. Members of the museum staff have also talked repeatedly to sailors at Ellis Island, at various clubs and community centres.

There is a movement throughout the country to make the museums actively useful to the decorative art industries and the Central Museum is in the forefront of that movement. Almost daily designers from important textile manufacturers and from department stores are in the Museum studying the collections. A room has been provided for them.

Between February 5 and March 31, inclusive, the Central Museum made a special exhibition of a loan from the French Government of the works of art sent to the Panama-Pacific Exposition, including the tapestry, porcelains and historic furniture in the French Government Pavilion from the Mobilier National. The exhibition included the collection of contemporary French paintings and statuary since 1910, and the retrospective collection of paintings and statuary from the Luxembourg Gallery, covering the dates between 1870 and 1910. The exhibition filled the galleries of the third floor, with exception of the square eastern gallery, the square western gallery, and the two adjacent smaller galleries. The French Government loans included 288 paintings, 35 pieces of statuary, 24 pieces of historic furniture, 45 porcelains, 13 tapestries, 3 rugs and 94 medals.

A special exhibition of French cathedral photographs from the war zone was made between July 14 and September 15, inclusive, covering the cathedrals of Notre-Dame, Soissons, Laon and Noyon (92 exhibits). This was followed by a second exhibition of the same character, between September 29 and November 4, inclusive, covering the cathedrals of Rheims, Amiens and Rouen, and the churches of Chalons, of St. Quentin, and of St. Ouen at Rouen (129 exhibits).

Between October 29 and December 2, inclusive, was held a special exhibition of paintings of the Russian artist, Boris Anisfeld, including oil paintings, watercolors, sketches for scenic decoration and works in black and white (120 exhibits).

From February 5 to March 17 was held an exhibition of French prints in the Print Gallery.

From June 2 to July 4 an exhibition of 66 war lithographs showing various phases of British war activities by Frank Brangwyn, Muirhead

Bone, Charles Shannon, Edmund Dulac and other prominent artists—and

From November 17 to December 1, an exhibition of Print Processes, showing tools, plates, blocks, prints, etc.

During the year the Department of Fine Arts has acquired 42 paintings, 13 by gift and 14 by purchase. 15 paintings have been loaned, aside from those included in the exhibition above mentioned.

The gifts of statuary include 5 statues and busts in marble and one bronze high relief. The purchases include 10 reliefs and statues of Renaissance sculpture and one Greco-Roman bust, all from the Stefano Bardini sale; and a marble bust of Henry Clay.

The accessions by gift include, still farther, 11 valuable ivory carvings of the mediaeval and Renaissance period.

In the Department of Colonial and Early American Furniture the gifts include 5 pieces and the purchase of 5 pieces. In addition the purchases include the Colonial interior paneling of the lower floor of "The Cupola House" at Edenton, N. C., consisting of a hall, dining-room, pantry, drawing-room and bed-room. The loans of early American furniture include three pieces.

The gift of miscellaneous textiles include 7 pieces, and the loans include one piece, aside from those of the French Exhibition, already mentioned.

In the field glass and ceramics the gifts number 30 pieces. The most valuable accession in the Art Department was a gift from Mr. Samuel P. Avery of 109 pieces of Chinese cloisonne, 82 Chinese wall vases of cloisonne, porcelain, jade and other materials, and a screen of Chinese cloisonne and Pekin enamel, mounted in a teakwood frame.

Other miscellaneous accessions include 19 pieces.

The most important gift of the year to the Print Collection and to the Library was from Mrs. Joseph Epes Brown of Brooklyn, "from the Art Collections of the Late Joseph Epes Brown," as follows:

A set of Arundel Prints, 185 photographs, 147 bound volumes and 27 unbound volumes.

The Siamese, Chinese, Japanese, Persian and Indian collections have been greatly augmented and the stairways and halls in which they are displayed redecorated and arranged with reference to the employment of designs drawn from old Indian sources. The principal acquisition in the Department of Ethnology has been a large painted wooden room of 17th century, from Damascus.

Of exhibitions in the Department of Natural Science the activities were somewhat slowed up owing to war-time contingencies, but the large exhibit of a portion of the ocean floor at LaJolla, California, a result of one of the Museum's expeditions to the Far West, has been completed and opened. This makes the second notable contribution to a series of

three groups illustrating life beneath the sea. The mural panels which form decorations on the walls of the Invertebrate Hall about the groups have been completed. Many important lesser exhibits have also been added to this Hall, including an unusual series of water color drawings showing the life and structure of microscopic animals.

The caribou and smaller animals obtained on the Newfoundland Expedition of 1917 have been beautifully mounted and now only await a place in the new wing. A complete motion picture record of the progress of this work was made from week to week, and the film, which has now been released for circulation as a public educational feature, shows the entire course of modern scientific taxidermy in its zoological, mechanical and artistic aspects. It has already been decreed a success from the point of view of the public and shows the possibilities of this kind of museum education.

Field work was greatly reduced below the record of former years, but Mr. Tschudy made a trip to the West in order to study the eclipse, etc., and a first report of his work is contained in the October, 1918, Quarterly. Various members of the Staff carried on field work on Long Island, particularly with reference to the Long Island Sound undersea group which will be third in the series referred to above.

The Curator of the Natural Science Department made a voyage with the Fulton Market Bluefish Fleet, and the report subsequently submitted to the United States Food Administration resulted in an extension of the sea herring law which has had an important effect for the better upon the food fish supply of Greater New York. He has also written on the development of the shark leather industry, and the Government has already manufactured army shoes and other articles of military equipment from this new leather. Moreover, both the Curator and Mr. Tschudy have co-operated through many months with authorities of the Camouflage Naval Training School. The fundamental principles of modern camouflage are derived more or less directly from natural history—the concealing coloration of animals. Through experiments with painted models of submarines in the tanks of the New York Aquarium, Mr. Tschudy devised a pattern for rendering this type of craft nearly invisible from ships or planes.

The Museum has, as in the past, given its hospitality to scientific societies holding conventions in New York. On November 15, the American Society of Ichthyologists and Herpetologists met in the auditorium and many problems with important economic bearing, such as the conservation of food fishes, were discussed by some of the foremost experts in the country. Gifts and minor purchases too numerous to mention were received and added to the exhibitions. At the **Children's Museum**, in Bedford Park, progress in all branches has been rendered difficult on account of war conditions.

Regular work with public school classes and teachers was greatly interrupted on account of confusion and irregularity in the school programs, occasioned by war activities. Later in the year during prevalence of the epidemic, the Board of Health forbade teachers and school principals sending classes to the Museum for lectures.

The attendance for 1918 was 135,916. Of these 50,689 used the Library and 16,635 attended the lectures.

A fine new motion picture machine, gift of the Nicholas Power Co., was put in operation early in the year. Eleven motion picture films were purchased and approximately 75 films rented or borrowed. Three hundred lantern slides were purchased and 1,600 slides rented or borrowed.

Four new exhibition cases were installed, making it possible to place on exhibition considerable material hitherto in storage.

A large collection of minerals donated to the Children's Museum from the Clarence W. Seamans' estate, has been received and placed in storage for want of installation space.

There were 247 lectures given with an attendance of 16,635. Twenty-one meetings of the Children's Museum League and twelve meetings of the Tree Club were held. Fifteen Nature Walks were conducted.

The Bird Lovers' Club held regular monthly meetings.

Seven issues of the Children's Museum News, two Circulars of Information, and eight outlines of courses of study were printed.

The Museum has participated in patriotic work by providing suitable books, poems, and plays for children's reading, by displaying posters for the Liberty Loan, War Savings Stamps, War Work Campaigns, etc., and by collecting 1,200 magazines and 150 books for use in United States Navy.

With the help of the Woman's Auxiliary the Children's Museum organized a Baby Parade which was held in Bedford Park on May 18, 1918. Four hundred and twenty-five babies were entered for the parade. The babies were escorted in procession by members of the Children's Museum League and the Tree Club. The Baby Parade attracted great numbers of spectators and proved to be an event of unusual local interest. Through the co-operation of citizens it yielded \$500 for the Second War Fund—Red Cross.

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

Park.	Location.	Area in Acres.	Lgth. of Interior Walks in Miles.	Lgth. of Interior Drives in Miles.	Appraised Valuation.
1. Amersfort Park	Avenue J, E. 38th St., Ave- nue I & E. 39th St....	3.56	0.41		\$64,500.00
2. Bedford Park	Kingston & Bklyn. Aves., Prospect & Park Places.	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 and Ful- ton Streets	1.70			*3,314,000.00
5. Bklyn. Botanic Gdn. & Arboretum (In- cludes 12.69 acres of Bk. Inst. A. & S. Lands)	Eastern Parkway, Washing- ton & Flatbush Avenues & Malbone Street	61.39	2.46		*9,885,000.00
6. Bklyn Heights Park..	Columbia Heights fronting on Furman Street .....	.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 & Den- ton 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 Seaside Park)	West 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

* Includes value of buildings on land.

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

Park.	Location.	Area in Acres.	Lgth. of Interior Walks in Miles.	Lgth. of Interior Drives in Miles.	Appraised Valuation.
17. Fort Greene Park....	De Kalb Ave., Washington Park, 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 Road	4.60	0.33		539,000.00
19. Fulton Park	Chauncey & Fulton Sts., & Stuyvesant Ave.	2.00	0.20		143,500.00
20. Gravesend Park	18th & 19th Aves., 55th & 58th Sts.	6.86			55,700.00
21. Highland Park	Jamaica Ave. & U. S. Natl. Cemetery, Borough Line, Reservoir & Warwick st. Extension	40.86	1.45	0.51	491,500.00
22. Highland Pk. Adtn..	Heath Pl., Highland Park, Vermont Ave., Private Property & High Blvd..	5.19			200,000.00
23. Irving Square Park..	Hamburg & Knickerbocker Aves. & Weirfield & Halsey Sts.	2.98	0.38		281,000.00
24. Lincoln Terrace Pk..	Eastern Parkway, Buffalo & Rochester Aves. & President St.	7.60	0.61		151,200.00
25. Linton Park	Bradford St., Blake, Du- mont & Miller Aves....	2.29	0.30		81,000.00
26. McKinley Park	Ft. Hamilton & 7th Aves. & 73rd St.	8.50 0.007			201,210.00 400.00
27. Milestone Park	18th Ave., N. of 82nd St.				
28. Prospect Park	Prospect Park W. & Flat- bush, Ocean, Parkside & C. I. Aves. & 15th St...	526.00	16.10	6.90	30,766,000.00
29. Red Hook Park	Richards, Verona, Dwight & Pioneer Sts.	5.28	0.69		182,000.00
30. Saratoga Square Pk..	Saratoga & Howard Aves., Halsey & Macon Sts....	3.20	0.36		223,600.00
31. Seaside Park	Ocean Parkway Concourse, W. 5th St. & Sea Breeze Ave.	10.30	0.61		625,000.00
32. Stuyvesant Gore Pk..	Stuyvesant & Vernon Aves. & Broadway .....	.08			6,000.00
33. Sunset Park	41st & 44th Sts., 5th & 7th Aves.	24.50	1.53		844,500.00
34. Tompkins Park	Tompkins, Greene, Marcy & Lafayette Aves.	7.80	0.66		460,000.00
35. Underhill Gore Pk...	Underhill & Washington Aves., & Pacific St. ....	.10			6,500.00
36. Vanderveer Park	East New York & Pitkin Aves., Barrett Grafton Sts. ....	.21	0.08		15,000.00

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

Park.	Location.	Area in Acres.	Lgth. of Interior Walks in Miles.	Lgth. of Interior Drives in Miles.	Appraised Valuation.
37. Winthrop Park	Nassau & Driggs Aves., Russell & Monitor Sts..	9.10	0.94		\$505,000.00
38. Woodpoint Gore Pk..	Bushwick, Metropolitan & Maspeth Aves. ....	.05			1,000.00
39. Unnamed Park "A" ..	Eastern Parkway, Wash- ington & Classon Aves..	0.155			7,000.00
40. Unnamed Park "B" ..	Roebling St., Division & Lee Aves. ....	.14			14,500.00
41. Unnamed Park "C" ..	4th & 5th Aves. & 94th St.	0.018			1,000.00
42. Unnamed Park "D" ..	Myrtle, Willoughby & Bushwick Aves.	0.0633			400.00
43. Unnamed Park "E" ..	Chauncey & Fulton Sts. & Lewis Ave.	0.01			1,500.00
44. Unnamed Park "F" ..	Engert & Meeker Aves. & Monitor St.	0.005			500.00
45. Unnamed Park "G" ..	Bedford & Rogers Aves. & Bergen St.	0.019			1,000.00
Totals		1,048.6573	31.38	8.90	\$56,861,010.00

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

Combined Park and Playground.	Location.	Area in Acres.	Lgth. of Interior Walks in Miles.	Lgth. 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. Williamsburg Bridge Park	Bedford & Kent Aves., S. 5th & S. 6th Sts.	4.30	0.28		275,000.00
Total		46.02	1.95		\$1,963,500.00

Playground.	Location.	Area in Acres.	Lgth. of Interior Walks in Miles.	Lgth. of Interior Drives in Miles.	Appraised Valuation.
1. Betsy Head Memorial Playground	Livonia, Dumont, Hopkin- son Aves. & Douglas St., & Dumont, Blake, Hop- kinson Aves. & Bristol St.	10.50	.76		\$370,000.00
2. Bushwick Playground.	Putnam Ave., bet. Knicker- bocker & Irving Aves...	2.80	0.04		68,000.00
3. McKibben 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.	Lgth. of Interior Walks in Miles.	Lgth. of Interior Drives in Miles.	Appraised Valuation.
1. Gravel Pits	N. W. Cor. of Ocean Park- way & Ave. P	2.71			\$75,000.00
55. Grand Totals		1,155.7973	34.42	8.81	\$61,032,510.00
Seeley Street Storeyards..	Seeley Street and Prospect Ave.	(Temporary)			

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

Parkways and Streets.	Location.	Miles.	Area in Acres be- tween prop- erty lines.	Appraised Valuation.
1. Bay Parkway	Ocean Parkway, bet. Aves. 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 Exten- sion	Ralph Ave., bet. Union St. & Lin- coln 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 Ave.	4.27	48.15	1,000,000.00
8. Highland Boulevard ...	Bushwick Ave., bet. Dahlia & Gil- len Pls., 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. & Wake- man Pl., to Ft. Hamilton.....	2.65	119.3	5,000,000.00
Totals		30.28	576.60	\$18,903,900.00

BETSY HEAD BATH—SWIMMING POOL 1918.

	January	Febr'y	March	April	May	June	July	August	Sept.	October	Nov.	Dec.	Total to Nov. 30
Shower Bath:													
Bathers—													
Men	11,020	Closed	27,093	20,954	28,460	12,628	4,996	....	12,777	18,858	17,515	....	154,301
Women	6,708	Repairs	13,568	12,760	21,616	13,855	11,253	8,938	9,544	8,889	10,383	....	117,514
	17,728		40,661	33,714	50,076	26,483	16,249	8,938	22,321	27,747	27,898	....	271,815
Swimming Pool:													
Bathers—													
Men .....			....	....	....	3,466	13,732	18,062	1,876	....	....	....	37,136
Women .....			....	....	....	360	4,733	8,020	224	....	....	....	13,337
						3,826	18,465	26,082	2,100	....	....	....	50,473
Shower Bath:													
Soap Sold—													
Men .....			....	....	....	463	439	....	1,564	2,398	2,685	....	7,855
Women .....			....	....	....	22	180	306	432	278	315	....	1,227
						485	619	306	1,996	2,676	3,000	....	9,082
Swimming Pool:													
Soap Sold—													
Men .....			....	....	....	3,209	11,429	18,062	1,876	....	....	....	34,576
Women .....			....	....	....	360	3,937	8,020	224	....	....	....	12,541
						3,569	15,366	26,082	2,100	....	....	....	47,117
Total Soap Sold ....			....	....	....	4,054	15,985	26,388	4,096	2,676	3,000	....	56,199
Shower Baths:													
Towels Loaned—													
Men	3,296		6,339	5,929	9,527	3,890	1,194	....	1,811	3,195	3,122	....	39,177
Women	782		1,507	1,725	2,510	1,621	1,656	874	1,036	709	961	....	12,507
	4,078		7,846	7,654	12,037	5,511	2,850	874	2,847	3,904	4,083	....	51,684
Swimming Pool:													
Towels Loaned—													
Men .....			....	....	....	3,466	13,732	18,062	1,876	....	....	....	37,136
Women .....			....	....	....	360	4,733	8,020	224	....	....	....	13,337
						3,826	18,465	26,082	2,100	....	....	....	50,473
Total Towels Loaned. 4,078			7,846	7,654	12,037	9,337	21,315	26,956	4,947	3,904	4,083	....	102,157

SUMMARY.

	Acres.	Appraised Valuation.
Total Area—Parks	1,048.66	\$56,861,010.00
Total Area—Playgrounds	104.43	4,096,500.00
Total Area—Parkways and Streets	576.60	18,903,900.00
Grand Totals	1,729.69	\$79,861,410.00

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

Year.	Popu- lation.	Park Area.	*Ratio of Park Area to Population.	*Proper Park Acreage According to Population.
1898.....	1,197,100	1,045.95	1 acre to 1,144 pop.	5,986
1899.....	1,256,175	1,045.95	1 acre to 1,201 pop.	6,281
1900.....	1,266,582	1,045.95	1 acre to 1,211 pop.	6,333
1901.....	1,270,550	1,045.95	1 acre to 1,215 pop.	6,353
1902.....	1,313,095	1,045.95	1 acre to 1,255 pop.	6,565
1903.....	1,359,172	1,055.23	1 acre to 1,288 pop.	6,796
1904.....	1,387,351	1,055.23	1 acre to 1,315 pop.	6,937
1905.....	1,402,729	1,063.73	1 acre to 1,318 pop.	7,014
1906.....	1,425,166	1,063.73	1 acre to 1,340 pop.	7,131
1907.....	1,489,536	1,063.73	1 acre to 1,400 pop.	7,448
1908.....	1,492,970	1,063.73	1 acre to 1,403 pop.	7,465
1909.....	1,539,235	1,063.73	1 acre to 1,450 pop.	7,696
1910.....	1,634,351	1,126.30	1 acre to 1,452 pop.	8,172
1911.....	1,668,119	1,126.30	1 acre to 1,482 pop.	8,340
1912.....	1,701,887	1,141.11	1 acre to 1,492 pop.	8,509
1913.....	1,735,655	1,141.11	1 acre to 1,522 pop.	8,678
1914.....	1,769,423	1,141.25	1 acre to 1,551 pop.	8,847
1915.....	1,798,512	1,142.25	1 acre to 1,574 pop.	8,992
1916.....	1,843,635	1,140.10	1 acre to 1,617 pop.	9,218
1917.....	1,975,801	1,148.83	1 acre to 1,720 pop.	9,879
1918.....	2,025,000	1,153.09	1 acre to 1,756 pop.	10,125

* The actual average provision for Parks and Public Grounds for American Cities is one (1) acre to every two hundred (200) of population. The last column takes this average of 200 as a standard.

STATISTICAL CHART.

Parks, Combined Parks and Playgrounds, and Playgrounds, December 31, 1918.

Total Number	54
Total Acreage	1,153.09
Acreage per 1,000 Inhabitants	0.569
Appraised Total Value	\$60,957,510.00
Average Value Per Acre	52,865.45
Value Per Inhabitant	30.90
Total Mileage of Drives and Bridle Road	11.91
Total Mileage of Walks	34.42
Parkways (not including Drives in Parks).	
Total Number	15
Total Mileage	30.28
Mileage Per 1,000 Inhabitants	0.015
Total Acreage	576.60
Appraised Total Value	\$18,903,900.00
Average Value Per Acre	32,785.12
Value Per Inhabitant	9.33

TRIAL BALANCE, i. e.
STATEMENT OF BALANCES OF GENERAL LEDGER ACCOUNTS AS AT
DECEMBER 31, 1918.

	Title of Account.	Debit.	Credit.
3	Corporate Stock Authorized	\$44,663.92	.....
12	Corporate Stock Funds .....	.....	\$44,663.92
20	Corporate Stock Borough Accounts	2,103.41	.....
21	Corporate Stock Fund Reserve—Borough Accounts .....	.....	2,103.41
22	Trust Fund Authorized	3,286.26	.....
23	Trust Fund Authorized .....	.....	3,286.26
267	Special and Trust Funds	29,525.01	.....
29	Special and Trust Funds Reserve .....	.....	22,797.59
33	Planting Trees—City Streets—Special Fund .....	.....	3,547.13
40	Depositors .....	.....	3,180.29
48	Special Revenue Bonds Authorized	5,158.04	.....
50	Special Revenue Bonds Funds .....	.....	5,158.04
53	Cash	4,114.09	.....
63	Restoring and Repaving—Special Fund .....	.....	4,114.09
69	Budget Allowance	95,007.32	.....
77	Appropriation 1913 .....	.....	158.47
78	Appropriation 1917 .....	.....	128.20
85	Appropriation 1918 .....	.....	94,720.65
87	Contract Orders	4,317.71	.....
93	Contracts	38,227.13	.....
101	Contract Reserve—Appropriation 1913 .....	.....	158.47
108	Contract Reserve—Appropriation 1918 .....	.....	11,668.07
112	Contract Reserve—Trust and Special and Trust Funds .....	.....	252.55
115	Contract Reserve—Corporate Stock Funds .....	.....	30,465.75
119	Open Market Orders	27,187.06	.....
131	Open Market Orders Reserve—Appropriation 1917 .....	.....	15.87
132	Open Market Orders Reserve—Appropriation 1918 .....	.....	26,606.35
141	Open Market Orders Reserve—Special and Trust Funds .....	.....	505.20
273	Open Market Orders Reserve—Corporate Stock ..	.....	59.64
146	Construction	85,820.29	.....
155	Refunds—Restoring and Repaving	1,850.61	.....
158	Refunds—Trees	40.00	.....
163	Expenses—Planting Trees on City Streets	6,236.26	.....
173	Expenses—1918	730,331.24	.....
176	Expenses—Museums 1918	169,353.40	.....
181	Invoices Payable .....	.....	30,713.08
191	General Funds Remitted to Chamberlain	28,876.01	.....
195	Special and Trust Funds remitted to Chamberlain ..	12,661.09	.....
199	Rents .....	.....	1,179.96
201	Privileges .....	.....	17,622.33
203	Permits .....	.....	2,758.44
205	Miscellaneous .....	.....	13,939.41
206	Sales .....	.....	1,036.95
210	Stores	35,619.96	.....
220	Department of Finance .....	.....	998,538.68
		\$1,319,378.81	\$1,319,378.81

STATEMENT OF THE CONDITION OF CONTRACTS AS AT THE CLOSE OF BUSINESS DECEMBER 31, 1918.

Comptroller's Contract No.	Date of Award	Name of Contractor.		Nature of Contract	Total Amt. Certified Based on Additional Estimates & Adjustments	Net Vouchers Registered, Cancellations and Adjustments	Balance of Estimated Liability
37882	Oct. 30, 1918	Cranford Co.	1913-1790	Paving Coney Island Concourse	\$7,923.46	\$7,764.99	\$158.47
49485	April, 1918	Standard Oil Co.	1918-1300	Gasoline	720.00	714.72	5.28
		Standard Oil Co.	1301	Kerosene Oil	165.00	99.12	65.88
49366	April 11, 1918	The Barrett Co.	1307	Refined Coal Tar	5,691.00	2,868.79	2,822.21
49367	April 11, 1918	Fleming, O'Brien & McEntegart	1307	Sand Grit	7,050.00	3,854.04	3,195.96
					\$12,741.00	\$6,722.83	\$6,018.17
49058	May 9, 1918	Lewis W. Blix	1311	Remove Pier, Coney Island	\$5,363.00	.....	\$5,363.00
49404	Jan. 1, 1918	N. Y. Telephone Co.	1317 CDP		1,461.00	\$1,245.26	215.74
45854	Sept. 7, 1916	M. Di Menna Cons. Co.	200 D	Retaining Wall, Bushwick P. G.	2,571.00	1,975.50	595.50
43747	Nov. 4, 1915	Adam Britz & Co.	200 M	Steamheating, etc., B. G.	8,604.03	8,512.42	91.61
44124	Jan. 11, 1916	Christopher Nally	200 M	Plumbing, etc.	1,262.36	1,262.36	.....
44124	Jan. 11, 1916	Christopher Nally	200 M	Plumbing, etc.	1,262.36	1,262.36	.....
					\$11,128.75	\$11,037.14	\$91.61
42545	May 20, 1915	Ward, Tully & Co.	209 A	Recons. P. P. Plaza at 15th St.	\$13,847.92	\$13,667.59	\$180.33
47549	May 31, 1917	Uvalde Asphalt Co.	217 B	Imp. Eastern Parkway Ext.	140,670.52	139,831.67	838.85
48112	July 26, 1917	Uvalde Asphalt Co.	217 B	Imp. Eastern Parkway Ext.	25,635.80	25,399.10	236.70
					\$166,306.32	\$165,230.77	\$1,075.55
48047	July 19, 1917	Brooklyn Alcatraz Asphalt Co.	217 C	Imp. Prospect Park Plaza	\$53,658.56	\$53,263.77	\$394.79
48276	Sept. 16, 1917	Brooklyn Alcatraz Asphalt Co.	217 D	Repaving Ft. Hamilton Pkway	106,000.00	105,149.02	850.98
	Feb. 26, 1918	McKim, Mead & White	243 C	Professional Services	604.01	.....	604.01
	Feb. 21, 1918	McKim, Mead & White	243 C	Professional Services	19,395.99	19,335.66	60.33
					\$20,000.00	\$19,335.66	\$664.34
	Feb. 26, 1918	McKim, Mead & White	243 F	Professional Services	\$11,000.00	.....	\$11,000.00
	Feb. 26, 1918	McKim, Mead & White	243 G	Professional Services	11,865.99	.....	11,865.99
48716	July 22, 1915	Uvalde Asphalt Co.	247	Paving Park Circle	4,722.51	\$4,566.52	155.99
37239	July 31, 1913	Chas. O'Hara	251 A	Remove debris, Dreamland Park	14,993.00	13,493.70	1,499.30
42159	April 15, 1915	Ed. H. Mooney	251 B	Remove Pier, etc., Dreamland Park			
45058	May 9, 1918	Lewis W. Blix	251 B	Remove Pier, etc., Coney Island	2,990.00	2,206.13	783.87
					1,130.00	.....	1,130.00
					\$4,120.00	\$2,206.13	\$1,913.87
46028	Oct. 11, 1916	Trowbridge & Acerman	251 E	Professional Services	\$435.00	\$257.50	\$177.50
48747	Nov. 4, 1915	Adam, Bretz & Co.	S566	Steamheating B. G.	8,604.03	8,351.48	252.55
44124	Jan. 11, 1917	McKim, Mead & White	S566	Professional Services	1,154.87	1,154.87	.....
					\$9,758.90	\$9,506.35	\$252.55
48276	Sept. 6, 1917	Brooklyn Alcatraz Asphalt Co.	S837	Paving Ft. Hamilton Pkway	\$25,000.00	\$25,000.00	.....
				TOTAL			

STATEMENT OF THE CONDITION OF CORPORATE STOCK, ASSESSMENT BOND,

Code No. CDP	Title of Fund or Account	Total Authorization as Adjusted	Total Adjusted Credits
200 M	Improvement of Botanic Garden	\$100,000.00	\$100,000.00
217 B	Repaving Eastern Parkway	174,316.00	174,316.00
217 C	Repaving and Improving Prospect Park Plaza	55,000.00	55,000.00
217 D	Repaving Fort Hamilton Parkway	110,000.00	110,000.00
243 C	Architects Fees	20,000.00	20,000.00
243 F	Engineer and Architect Fees	11,000.00	11,000.00
243 G	Brooklyn Institute of Art and Sciences F. & H.	400,000.00	400,000.00
247	Repaving Drives, etc.	284,696.33	284,696.33
251 A	Removal debris, etc., Dreamland Park	25,000.00	25,000.00
251 B	Removal old iron pier, etc., Seaside Park	7,000.00	7,000.00
251 C	Cons. Groynes Seaside Park	16,745.83	16,745.83
		<u>\$1,203,758.16</u>	<u>\$1,203,758.16</u>
	Borough Accounts	\$2,103.41	\$2,103.41
	Special and Trust Funds:		
S75	Maintenance and Improvement Pub. Pks., Brooklyn Hgts.	\$8,786.57	\$8,786.57
S102 C	Restoring and Repaving	40,712.72	40,712.72
S560	Planting Trees City Streets	44,139.50	44,139.50
S566	Contribution to Botanic Garden Imp. Fund	100,000.00	100,000.00
		<u>\$193,638.79</u>	<u>\$193,638.79</u>
	Trust Funds:		
T14 A	Legacy of Betsy Head	\$33,455.71	\$33,455.71
T41 A	Bequest of Henry Harteau Interest	2,445.50	2,445.50
		<u>\$35,901.21</u>	<u>\$35,901.21</u>
	Special Revenue Bonds:		
RDP			
208	Operation Betsy Head Playground	\$14,475.00	\$14,475.00
209	Urgent Highway Repairs	11,000.00	11,000.00
209 A	Deficiency in Budget Item 1916—1295	2,000.00	2,000.00
209 B	Deficiency in Budget Item 1308	3,000.00	3,000.00
209 C	Repaving Fort Hamilton Avenue	8,200.00	8,200.00
209 D	Deficiency in Budget Item 1917—1293	3,355.46	3,355.46
210	Deficiency in Budget Item 1300	425.00	425.00
210 A	Deficiency in Budget Item 1308	4,000.00	4,000.00
210 B	Deficiency in Budget Item 1315	125.00	125.00
RMS 8	Deficiency in Budget Item 1918—1340	3,600.00	3,600.00
209 E	Deficiency in Budget Item 1280	215.28	215.28
209 F	Deficiency in Budget Item 1282	354.00	354.00
		<u>\$50,749.74</u>	<u>\$50,749.74</u>

SPECIAL REVENUE BOND AND SPECIAL ACCOUNTS AS AT DECEMBER 31, 1918.

ENCUMBRANCES

(Not to include amount of any voucher heretofore transmitted to the Department of Finance)

Net-Vouchers Registered, Based on Cancellations & Adjustments	Adjusted Credits Unexpended	Net Reserve for Contracts	Net Reserve for Open Market Orders and Misc. Invoices	Net Reserve for Pay Rolls	Total Net Encumbrances i.e. Net Reserves	Unencumbered Balances
\$99,895.81	\$104.19	\$91.61	\$1.20	.....	\$92.81	\$11.38
172,448.89	1,867.11	1,075.55	26.44	.....	1,101.99	765.12
54,535.85	464.15	394.79	.....	.....	304.79	69.36
109,132.68	867.32	850.98	.....	.....	850.98	16.34
19,335.66	664.34	664.34	.....	.....	664.34	.....
.....	11,000.00	11,000.00	.....	.....	11,000.00	.....
380,197.76	19,802.24	11,865.99	.....	.....	11,865.99	7,936.25
281,100.65	3,595.68	155.99	.....	.....	155.99	3,439.69
23,017.73	1,982.27	1,499.30	.....	.....	1,499.30	482.97
4,542.51	2,457.49	1,913.87	32.00	.....	1,945.87	511.62
15,840.03	905.80	.....	.....	.....	.....	905.80
<u>\$1,160,047.57</u>	<u>\$43,710.59</u>	<u>\$29,512.42</u>	<u>\$59.64</u>	<u>.....</u>	<u>\$29,572.06</u>	<u>\$14,138.53</u>
.....	\$2,103.41	.....	.....	.....	.....	\$2,103.41
7,112.81	1,673.76	.....	..... due depositors	.....	.....	1,673.76
36,598.63	4,114.09	.....	48.00	3,180.29	3,228.29	885.80
40,592.37	3,547.13	.....	456.00	.....	456.00	3,091.13
99,597.56	402.44	252.55	1.20	.....	253.75	148.69
<u>\$183,901.37</u>	<u>\$9,734.42</u>	<u>\$252.55</u>	<u>\$505.20</u>	<u>\$3,180.29</u>	<u>\$3,928.04</u>	<u>.....</u>
\$33,216.05	\$239.66	.....	.....	.....	.....	\$239.66
<u>2,306.90</u>	<u>138.60</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>	<u>138.60</u>
<u>\$35,522.95</u>	<u>\$378.26</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>	<u>\$378.26</u>
\$13,682.34	\$792.66	.....	.....	.....	.....	\$792.66
10,878.59	121.41	.....	.....	.....	.....	121.41
1,724.25	275.75	.....	.....	.....	.....	275.75
2,924.37	75.63	.....	.....	.....	.....	75.63
8,161.34	38.66	.....	.....	.....	.....	38.66
3,223.81	131.65	.....	.....	.....	.....	131.65
422.85	2.15	.....	.....	.....	.....	2.15
3,975.96	24.04	.....	.....	.....	.....	24.04
123.92	1.08	.....	.....	.....	.....	1.08
.....	3,600.00	.....	.....	.....	.....	3,600.00
174.89	40.39	.....	.....	.....	.....	40.39
299.38	54.62	.....	.....	.....	.....	54.62
<u>\$45,591.70</u>	<u>\$5,158.04</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>	<u>\$5,158.04</u>

**STATEMENT OF THE CONDITION AS AT THE CLOSE OF BUSINESS DECEMBER 31,
APPROPRIATION ACCOUNTS FOR PRIOR**

Code No.	Title of Account	Appropriation including Transfer (if any) by Board of Estimate and Apportionment	Net Funds Available
1275	Administration—Operation and Maintenance	\$44,980.14	\$44,980.14
1276 TC	Engineering—Tax Levy—Corporate Stock	9,472.74	9,472.74
1277	Care of Trees	8,700.00	8,700.00
1278	Salaries—Temporary Employees—Children's School Farms	2,250.00	2,250.00
1280	Wages—Regular Employees—Care of Park and Boulevards	81,827.97	81,827.97
1281	Wages—Regular Employees—Care of Menagerie	10,855.50	10,855.50
1282	Wages—Temporary Employees—Operation and Current Maintenance	361,114.60	361,114.60
1283	Wages—Temporary Employees—Patching and Resurfacing Park Drives	27,870.00	27,870.00
1284	Wages—Temporary Employees—Additions and Improve- ments	309.90	309.90
1285	Wages—Temporary Employees—Care of Trees City Streets	29,508.00	29,508.00
1286	Wages—Temporary Employees—Operation of Playgrounds and School Farms	14,370.00	14,370.00
1293	Forage and Veterinary Supplies	18,000.00	18,000.00
1295	Fuel Supplies	19,682.00	19,682.00
1296	Office Supplies	1,148.00	1,148.00
1297	Laundry Cleaning and Disinfecting Supplies	5,500.00	5,500.00
1298	Educational and Recreational Supplies	1,300.00	1,300.00
1299	Botanical and Agricultural Supplies	12,325.00	12,325.00
1300	Motor Vehicle Supplies	1,422.00	1,422.00
1301	General Plant Supplies	3,000.00	3,000.00
1303	Office Equipment	147.00	147.00
1304	Motor Vehicles and Equipment	792.00	792.00
1305	Educational and Recreational Equipment	2,750.00	2,750.00
1306	General Plant Equipment	7,355.00	7,355.00
1307	Highway Materials	28,000.00	28,000.00
1308	Other Materials	22,746.50	22,746.50
1309	Repairs and Replacements—Pavements and Walks	13,415.00	13,415.00
1311	Repairs and Replacements—General	8,659.88	8,659.88
1313	Hire of Horses and Vehicles with Drivers	50,653.50	50,653.50
1315	Shoeing and Boarding Horses, including Veterinary Ser- vice	490.00	490.00
1316	Carfare	2,900.00	2,900.00
1317	Telephone Service	1,500.00	1,500.00
1318	Music	9,720.00	9,720.00
1319	Contingencies	250.00	250.00
1340	Salaries and Expenses—Brooklyn Inst. of A. & S.—Central Mansion	113,645.00	113,645.00
1350	Salaries and Expenses—Brooklyn Inst. of A. & S.—Child- ren's Mansion	16,185.00	16,185.00
1360	Bklyn. Botanic Garden and Arboretum—Personal Service	42,310.00	42,310.00
1361	Bklyn. Botanic Garden and Arboretum—Supplies	7,451.00	7,451.00
1362	Bklyn. Botanic Garden and Arboretum—Equipment	848.00	848.00
1363	Bklyn. Botanic Garden and Arboretum—Materials	500.00	500.00
1364	Bklyn. Botanic Garden and Arboretum—Contract or Open Order Service—Repairs and Replacements	500.00	500.00
1365	Bklyn. Botanic Garden and Arboretum—Contract or Open Order Service—Light, Heat and Power	150.00	150.00
1366	Transportation	720.00	720.00
1368	Communication—Telephone Service	150.00	150.00
1369	General Plant Service	450.00	450.00
1370	Contingencies	150.00	150.00
	1917	\$986,073.73	\$986,073.73
1299	.....	\$11,576.00	\$11,576.00
1306	.....	7,003.55	7,003.55
1308	.....	20,150.41	20,150.41
1311	.....	8,595.60	8,595.60
1366	.....	776.63	776.63
	1913-1790	\$32,542.01	\$32,542.01

1918, OF ALL APPROPRIATION ACCOUNTS FOR THE CURRENT YEAR, AND OF YEARS HAVING UNEXPENDED BALANCES.

Net Vouchers Registered Based on Cancellations and Adjust- ments	ENCUMBRANCES (Not to include amount of any voucher heretofore trans- mitted to Department of Finance)					Unencumbered Balances
	Unexpended Balances	Net Reserve for Contracts	Net Reserve for Open Market Orders and Miscl. Invoices	Net Reserve for Pay Rolls	Total Encumbrances i.e. Net Reserves	
\$44,645.13	\$335.01	.....	.....	.....	.....	\$335.01
9,192.74	280.00	.....	.....	.....	.....	280.00
8,400.00	.....	.....	.....	.....	.....	.....
2,250.00	.....	.....	.....	.....	.....	.....
79,045.77	2,782.20	.....	.....	.....	.....	.....
10,410.50	445.00	.....	.....	445.00	445.00	.....
342,079.11	19,035.49	.....	.....	19,035.49	19,035.49	.....
27,715.25	154.75	.....	.....	154.75	154.75	.....
286.70	23.20	.....	.....	.....	.....	23.20
22,554.28	6,953.72	.....	.....	6,953.72	6,953.72	.....
12,351.00	2,019.00	.....	.....	2,019.00	2,019.00	.....
12,963.26	5,036.74	.....	\$3,395.82	.....	3,395.82	1,640.92
18,420.81	1,261.19	.....	1,234.65	.....	1,234.65	26.54
990.64	157.36	.....	71.81	.....	71.81	85.55
3,018.62	2,481.38	.....	1,299.00	.....	1,299.00	1,182.38
813.43	486.57	.....	363.51	.....	363.51	123.06
11,287.94	1,037.06	.....	1,007.71	.....	1,007.71	29.35
1,408.74	13.26	\$5.28	.....	.....	5.28	7.98
2,164.00	836.00	65.88	492.50	.....	558.38	277.62
145.57	1.43	.....	.....	.....	.....	1.44
471.71	320.29	.....	177.67	.....	177.67	142.62
1,943.01	806.99	.....	789.15	.....	789.15	17.84
5,596.93	1,758.07	.....	1,752.45	.....	1,752.45	5.62
13,226.12	14,773.88	6,018.17	8,677.20	.....	14,695.37	78.51
16,735.38	6,011.12	.....	5,408.08	.....	5,408.08	603.04
11,176.66	2,228.34	.....	240.00	.....	240.00	1,988.34
1,633.95	7,025.93	5,363.00	1,659.80	.....	7,022.80	3.13
44,589.39	.....	.....	.....	6,064.11	6,064.11	.....
457.83	32.17	.....	16.00	.....	16.00	16.17
2,190.42	709.58	.....	.....	.....	.....	709.58
1,245.26	254.74	215.74	.....	.....	215.74	39.00
9,555.00	165.00	.....	.....	.....	.....	165.00
116.87	133.13	.....	21.00	.....	21.00	112.13
108,650.15	4,994.85	.....	.....	.....	.....	4,994.85
12,516.89	3,668.11	.....	.....	.....	.....	3,668.11
39,271.37	3,038.63	.....	.....	.....	.....	3,038.63
6,032.68	1,418.32	.....	.....	.....	.....	1,418.32
690.15	157.85	.....	.....	.....	.....	157.85
496.37	3.63	.....	.....	.....	.....	3.63
195.88	304.12	.....	.....	.....	.....	304.12
108.38	41.62	.....	.....	.....	.....	41.62
555.10	164.90	.....	.....	.....	.....	164.90
102.12	47.88	.....	.....	.....	.....	47.88
282.04	167.96	.....	.....	.....	.....	167.96
147.38	2.62	.....	.....	.....	.....	2.62
\$888,440.53	\$97,633.20	\$11,668.07	\$26,606.35	\$37,454.27	\$75,728.69	\$21,904.51
\$11,544.76	\$31.24	.....	.....	.....	.....	\$31.24
6,967.40	36.15	.....	.....	.....	.....	36.15
20,134.20	16.21	.....	\$15.87	.....	\$15.87	.34
8,588.89	6.71	.....	.....	.....	.....	6.71
738.75	37.89	.....	.....	.....	.....	37.89
\$47,973.99	\$128.20	.....	\$15.87	.....	\$15.87	\$112.33
\$32,383.54	\$158.47	\$158.47	.....	.....	\$158.47	.....