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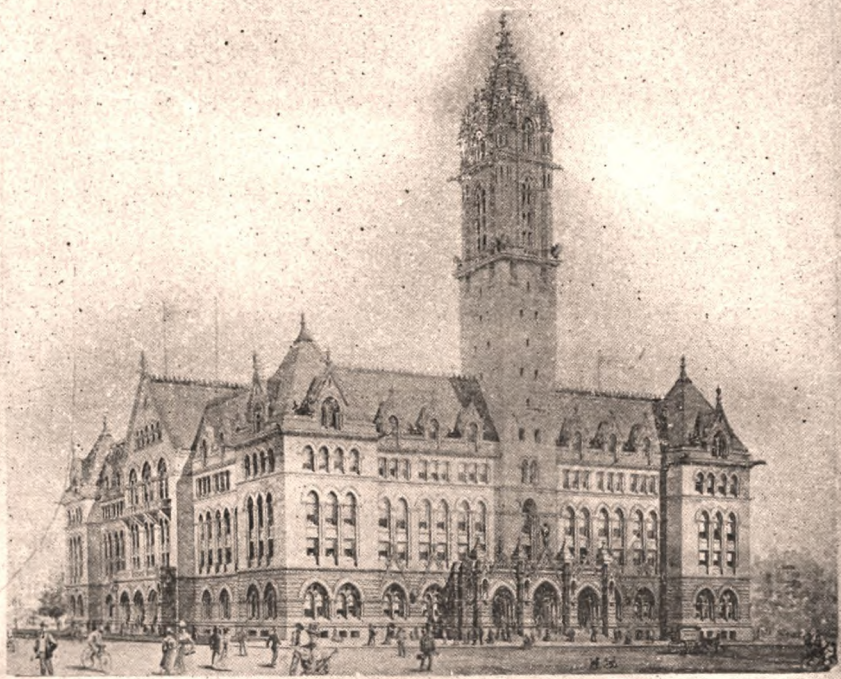
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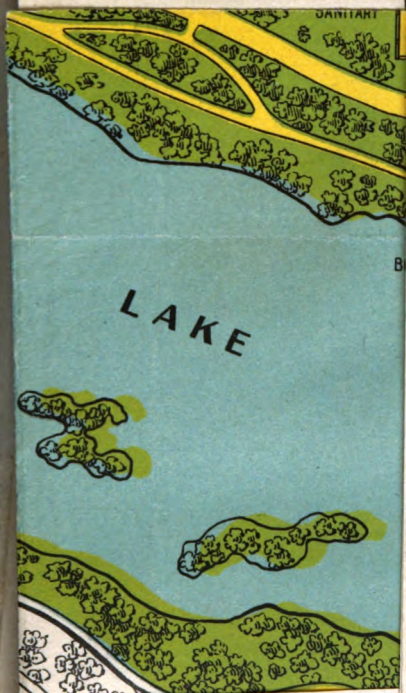
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TO THE

Pan-American Exposition

With Maps of Exposition and Illustrations,

BUFFALO, N. Y., U. S. A.

MAY 1ST TO NOV. 1ST, 1901.



PUBLISHED BY
CHARLES AHRHART,
BUFFALO, N. Y.

Entered according to Act of Congress, in the year 1901, by Charles Ahrhart, in the
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The Pan-American Official Catalogue and Guide.

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PAN-AMERICAN
EXPOSITION.

NIAGARA.

BUFFALO,
MAY 1 - NOVEMBER 1.
1901.

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The Pan-American Official Catalogue and Guide.

PAN-AMERICAN EXPOSITION 1901



S.
THE DIRECTOR GENERAL.

BUFFALO, N. Y., U. S. A.

April 15, 1901.

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Very respectfully yours,

Wm. Ahrhart
Director-General.



THE PAN-AMERICAN.

Scarcely four years have elapsed since its conception, when it was proposed to hold an Exposition which should be all-American in its scope.

Its sole object, to promote commercial and social interests among the States and countries of the Western Hemisphere.

Its fundamental idea, essentially different from that of any other of the great fairs, in that it commemorates no historical event.

The citizens of Buffalo, in March, 1899, raised by popular subscription the sum of \$1,750,000, and because of this display of interest and the belief in their ability to finance and produce a successful Exposition, Congress became convinced that the work would be well done and designated Buffalo as the most desirable location, and accordingly assisted with an appropriation of \$500,000.

In 1899 the present business organization was effected, which chose for the site of the Exposition its splendid location, occupying as it does 350 acres of land and including a portion of Delaware Park, whose irregular lake, flowering shrubs and rare trees make it by far the most picturesque portion of Buffalo's famous park system.

Through the untiring efforts of the management, vast interest in Pan-Americanism has been created; all that is best and most interesting to display, has been secured from the commonwealth; and the result is an Exposition successful in every particular and worthy of its name.

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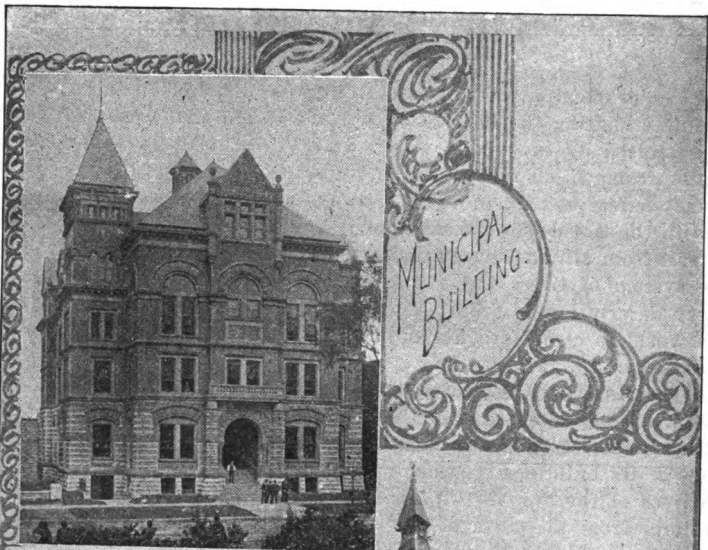
The Exposition.

The problem of starting is the only one with which those who contemplate visiting the Exposition will meet, and that is so easy that it is answered by the single word "Start." Situated as Buffalo is, the center from which radiate trunk lines to every point of the compass, it may safely be said to enjoy railway facilities possessed by no other city in the world; in the heart of the commercial continent, accessible by rail from all parts of the country, and in direct communication with the system of Great Lakes. Attractive in topography and ornate in every description of architecture, the Queen City of the Lakes invites the world to come into her midst and be her guest from May first to November first, 1901.

The Rainbow City, thirty minutes' ride from the heart of Buffalo, under splendid domes, attractive minarets, towers and pavilions aglow with numberless pleasing hues and tints, and within the classic outlines of its buildings, visitors will be regaled with views showing the progress of the few years past, ornamented and enlarged by attractive exhibits from all parts of the Western Hemisphere. Second in size only to the World's Fair and far more attractive and unique in many particulars beyond that display in 1893, and thoroughly original in its most distinctive features, the Pan-American Exposition opens its gates feeling confident that no visitor will be disappointed.

GENERAL PLAN OF GROUNDS.

The general plan of the Exposition grounds can be compared to that of an inverted "T" with the cross arm as the Esplanade extending east and west, and the vertical stem extending north, terminating in the Propylaea or entrance to the railway station. The Court of Fountains is in the center of the vertical stem and starting from its four corners is the beginning of the main group of large buildings. From the railway station and passing through the Plaza, the visitors enter the court; to the westward are the Electricity, the Machinery and Transportation buildings, separated by the Sunken Gardens which are filled with the choicest of flowers and cooling fountains, the water taking the form of beautiful flowers, etc. To the eastward are the buildings for Agriculture, and Manufactures and Liberal Arts, also separated by Sunken Gardens. Standing in a broad basin to the northward of the Court is the Electric Tower, rising to a height of 391 feet, adorned with many costly groups of sculpture upon its salient points, and from a niche in



MUNICIPAL BUILDING.



CITY AND COUNTY BUILDING.

Its southern face gushes a cascade 70 feet high and 30 feet wide. Connecting with this basin, a canal bordered by beautiful trees and crossed by arched bridges, runs westward to the north of the Electricity building and eastward to the north of the Agriculture building and then turns and flows southward terminating in the Mirror Lake, filled with grottoes and effects of marvelous beauty and interest. Facing the Esplanade on the north is the Cascade Fountain, and at either end are the Esplanade fountains, surrounded as they are with statuary of every description. The Esplanade is designed so as to be capable of holding 250,000 people, and from its southern end entrance is effected from the Fore Court over the Triumphal Bridge, surmounted on its four corners by four massive towers two hundred feet high. The Esplanade is provided with highly ornamented band stands, and outdoor concerts will be given by the finest bands of the country.

EXPOSITION COLOR SCHEME.

In all previous expositions, the main feature has been the architectural work and not color. But this one represents both, and is after the plan designed and directed by C. Y. Turner, representing the fierce struggle of "man to overcome the elements."

As one enters the grounds, on the left will be seen buildings which represent "elements," and on the right those representing man and his affairs, or that which man has gained after long years of struggling to overcome the elements.

The struggles are represented by heavy deep coloring of red, blue, green and gold, graduating gently but firmly in tints, until the electric tower is reached, where it again commences in a deep green as near the color of Lake Erie as it was possible to get it. The tower itself is a cream white with sculpture work on the four corners, and is tinted with blue, green and gold, getting fainter until the top is reached, terminating in the figure representing all that man has accomplished over the elements.

ILLUMINATION.

The illumination is the most brilliant and elaborate ever contemplated. An Electric Tower soaring to a lofty height, and surmounted by a splendid statue of the Goddess of Light, is the centerpiece of this great dominating feature of the Exposition. It is studded with incandescent lamps and powerful searchlights, one of which, at a great height, sends its gleams for many miles around, embracing in its grand circle the Falls of Niagara and the Canadian Frontier. Every great building is outlined with a myriad of lights, and the staff glows with effulgent splendor. The Court of Fountains is brilliantly and fantas-

tically illuminated. Colored lights from concealed electric bulbs are absorbed by the flowers in the gardens of the courts. A cascade gushes from a niche in the tower, from which scores of searchlights play their iridescent colors upon the scene.

ARCHITECTURAL FEATURES.

The style of architecture, a free treatment of the Spanish Renaissance, is a compliment to the Latin-American countries, who are prominent exhibitors.

Column and entablature have been used for decorative, rather than for architectural effects, and the exterior of every building presents great richness of design, by the generous use of colonnades, balconies, loggias, towers and minarets, commanding broad views of the grounds.

Grand original sculptured groups, designed by leading American artists, guard entrances and bridges, lacking only life to complete the ideality of their purpose.

Instead of glaring white, there is color everywhere, and color used on color to gain the desired effect.

Beautiful decorations in color are so profuse that it makes one shudder to reflect that all this was improvised for the fleeting purpose of a season's passing show.

The largest architectural synthesis of the Exposition surrounds the Court of Fountains. Here are grouped on the east and west the Manufactures and Liberal Arts, and Machinery and Transportation buildings, with the Agriculture and Electricity buildings opposite, while between the Court and the Plaza rises the Electric Tower to a height of 391 feet, upon which are displayed electrical phenomena hitherto unattempted.

At the base of the tower two colonnades, 75 feet high, sweep to the southward and form a semi-circular space opening toward the Court of Fountains, and on the top of its domed cupola a superb figure, the Goddess of Light, is poised, overlooking and dominating the entire Exposition.

But even here the art spirit dominates, and the entire exterior of the tower is richly ornamented with plastic design and sculpture, and the ordinary visitor will certainly find himself more inclined to study the wonderful freedom and beauty of the decorations than to go seriously into the evidence they give of the progress of electrical science.

In the center of this Court lies the Aquatic Basin, covering two acres. This has been treated with a view to bringing out special designs in jets of water, which take the form of magnificent sculptures in large numbers.

EXPOSITION ENTRANCES.

The grounds are provided with seven entrance gates. The one at the northern extremity of the grounds is that provided to receive the numbers who will arrive by steam railroad, all the different lines coming into one central station. This will also be the gate for the Niagara Falls, Lockport and Hertel avenue trolleys.

The Elmwood gate and Amherst gate are on the western side of the grounds and are accessible to the many electric car lines which run to the center of the city and connect by transfer to all the other lines of the system. The entrance is reached by the following car lines: Michigan, Main, Elmwood, Niagara, Baynes and Hoyt, and West avenue and Grant street.

The Meadow gate, Water gate and the Lincoln Parkway gate, are on the southern side of the Exposition grounds, and are the gates through which those will come who drive or walk to the grounds from the city. The Water gate and Lincoln Parkway gate are almost directly on the Forest avenue car line.

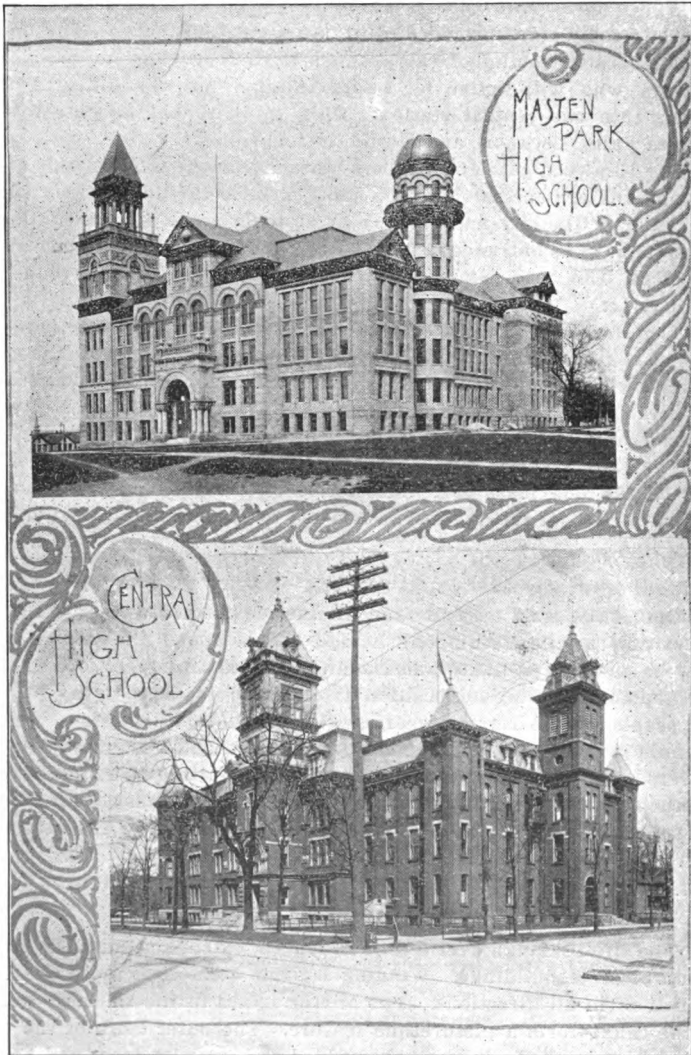
The East Amherst gate, located on the eastern side of the grounds, will be the one most easily accessible to those living in the northeastern section of the city and is reached by the Main and the Jefferson street lines.

THE TRIUMPHAL BRIDGE.

One of the most majestic and distinctive decorative features of the Exposition is the Triumphal Bridge. This spans the Grand Canal between the Mirror Lakes and leads the visitor from the Fore Court to the Esplanade. The composition is intended to express the pride of the people of the North American Union in their country. In this splendid gateway are four gigantic piers, upon which mounted standard bearers hold aloft the national emblem, and about the bases are trophies of peace and war, and numerous other pieces of statuary, each expressing some phase of national greatness. The architects of the bridge are Carrère & Hastings of New York.

THE GRAND CANAL.

The Grand Canal, over a mile in length, extends around the central group of large buildings. Winding lagoons connecting with the canal branch off in all directions. The Mirror Lakes in the southern portion of the canal, form a picturesque feature. The outer bank of the canal and the banks of the lagoons are sodded and set with trees and flowers, producing vistas of unusual interest and beauty. Electric launches,



gondolas and other small craft ply from place to place. The ride is a refreshing one, with charming views at every turn. Romantic bridges span the waterway at convenient points, and statuary placed everywhere adds to the picturesque effect.

THE PLAZA.

The Plaza is situated at the Northern end of the Exposition grounds and is bounded by three buildings, forming a square 350 feet by 500 feet, its name being suggested because of the very free version of Spanish architecture adopted in the surrounding buildings.

North of the Plaza is the railway station, which is masked by the Propylaea, a colonnade flanked at either end by two colossal entrance and exit arches. West of the Plaza is a restaurant 350 feet long, two stories high and through the lower arches visitors may pass to the Midway. East of the Plaza is the entrance to the Stadium, resembling that erected at Athens some years ago. The buildings surrounding the Plaza are from the designs of Babb, Cook & Willard of New York.

THE ELECTRIC TOWER.

Soaring to a height of 391 feet stands the Electric Tower, the crowning centerpiece of the Exposition. The main body of the tower is 80 feet square and 200 feet high. The crown being in three parts, of diminishing proportions. The first of these is an arcaded loggia richly ornamented in all details. Pavillionettes adorn each of the four corners and terminate in cupolas. Above the loggia is a high circular colonnade entirely open, so as to allow the effect of the sky to be seen between the columns. A spiral stairway in the center leads up to a domed cupola on which is poised a superb figure, the Goddess of Light, overlooking and dominating the entire Exposition. At the base of the tower, on the east and west sides, two colonnades, 75 feet in height, sweep to the southward and form a large semi-circular space opening toward the Court of Fountains. The Tower is entered by way of an ornamental bridge from the Plaza on the north side. Elevators carry the visitors to the many floors. At a height of 75 feet is a large restaurant, from which one may stroll upon the roof gardens above the colonnades. From the various floors, the visitors may obtain interesting views of the Grounds, the City, Lake Erie and Niagara river.

The color scheme is a cream white, beautifully trimmed in blue and gold, and the entire exterior is richly ornamented with plastic designs and sculpture. The panels on the four walls are of open work, so that the effect at night when the interior is lighted is exceptionally brilliant and grand. The Tower stands in a basin and from a niche in its face gushes a cascade 30 feet wide and 70 feet high.

The entire framework of the tower is of steel and was the design of Architect John Galen Howard of New York.

U. S. GOVERNMENT BUILDINGS.

The buildings erected by the U. S. Government are located at the extreme end of the Esplanade, facing the East fountain. They were designed under the direction of the Supervising Architect of the Treasury Department, Mr. J. K. Taylor, and consist of three structures connected by curved arcades, the middle one being crowned by a dome 250 feet above the main floor, on which is an imposing figure of Victory, 20 feet high. The cost to the Government for the three buildings and the exhibits contained in them was \$500,000. The Departmental exhibits are the largest and most complete ever made at any exposition and include the War and Navy, Postoffice, Agriculture, Treasury and the different bureaus of the State Department. In the central building the Postoffice Department occupies a space to the left of the entrance. The methods of mail transmission are fully illustrated and a postoffice equipped with all the latest devices used in the larger offices of the United States is the feature of the exhibit.

The exhibit of the National Museum, under the auspices of the Smithsonian Institute, will be found of absorbing interest, displaying as it does the resources of the Americas, the West Indies, and the new possessions of the United States.

The Fisheries exhibit, which is located in the building occupying the most southern position of the three, is beyond question the most complete of its kind ever attempted, and illustrates the various methods of fish propagation, and the boats and apparatus used by fishermen in the many lines of this most important industry.

ELECTRICITY BUILDING.

Northwest of the Court of Fountains, with its eastern end facing the Electric Tower, is the Electricity building. The area covered by the building is seventy-five thousand square feet, the structure being five hundred feet long from east to west, and one hundred and fifty feet wide.

In front of the building, flanking both sides of the main entrance, is an open portico fifteen feet wide, extending along the entire building, to which entrances open on all sides. It was designed by Architects Green & Wicks of Buffalo, N. Y., who also designed the Machinery and Transportation building, next south. The windows are grilled in somewhat the same manner, while the color scheme is light yellows and reds. The main floor covers an area of twenty-five thousand square feet of exhibit space. In the northwestern corner of the building is the Niagara Falls Transformer Plant, with a capacity of five thousand horse-power, the purpose of which is to transform the power delivered from Niagara Falls to a lower voltage so that it can be used for distribution about the

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grounds, to operate lights and other electrical appliances. The few years which have passed since the Chicago exposition have witnessed a phenomenal advance in electric science, and today it is no discredit to former expositions to say the Electricity building of the Pan-American surpasses anything thus far attempted in this direction. The development of electric power is illustrated in a very comprehensive manner; working models of many of the great plants are on exhibition, and those who desire to see the plants themselves will have only to go a distance of twenty miles from the grounds—a ride of about thirty minutes—in order to do so.

The names and locations of the various exhibits will be found on another page of this book.

The following classification of exhibits into fourteen groups has been adopted:

Group 1—Apparatus illustrating the phenomena and laws of electricity and magnetism.

Group 2—Apparatus for electrical measurements.

Group 3—Electric batteries, primary and secondary.

Group 4—Machines and appliances for producing electrical currents by mechanical power—dynamo-electric machinery.

Group 5—Application of electric motors; elevators; power and railways.

Group 6—Transmission and conversion of electric power, including recent types of large transformers constructed for the purpose of transforming high potentials, with working models of various transmission lines.

Group 7—Systems of lighting by electricity—arc and incandescent.

Group 8—Heating by electricity, showing the latest methods and apparatus for heating cars, and the maintenance of high temperatures under particular conditions; the heating of flat irons, cooking and baking by electricity; electric forging, welding, stamping, tempering and brazing, showing by the most recent devices the wide application of electricity to the working of metals.

Group 9—Electro-metallurgy and electro-chemistry.

Group 10—Electric telegraph, electric signals, wireless telegraphy.

Group 11—The telephone and its appliances.

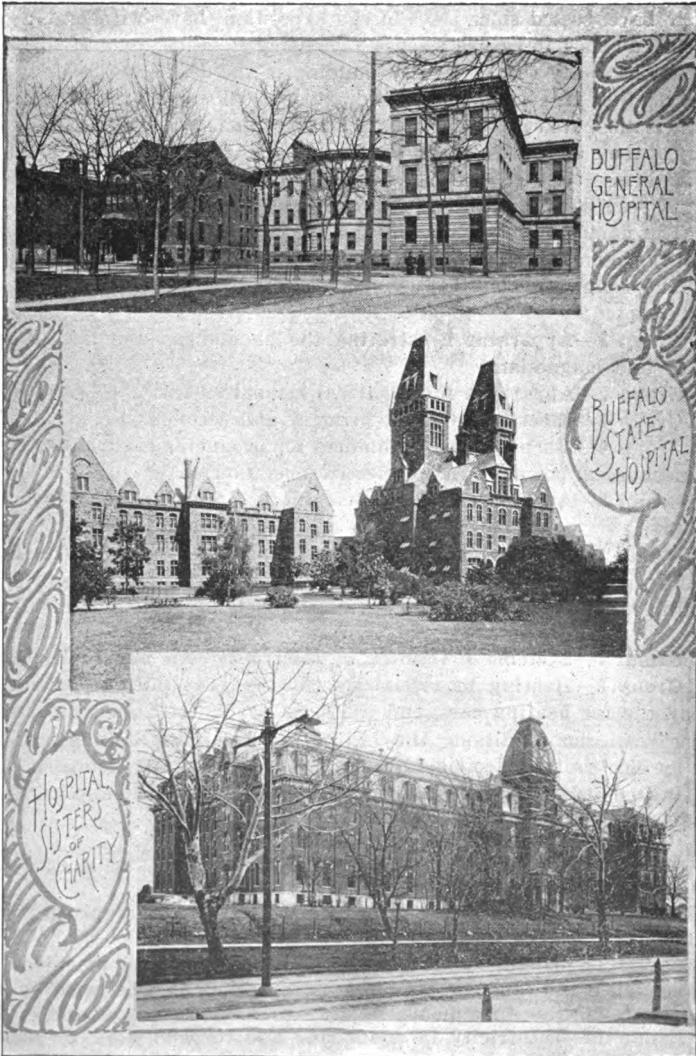
Group 12—Electricity in surgery, dentistry and therapeutics. The results of X-ray work are included in this section.

Group 13—History and statistics, progress and development in electrical science and construction from its inception, as illustrated by models, drawings, literature or otherwise.

Group 14—Electricity in submarine and torpedo work, as used in engineering and warfare.

The cost of the building, without ornamentation, was \$130,000.

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MACHINERY AND TRANSPORTATION BUILDING.

Southwest of the Court of Fountains and separated from the Manufactures and Liberal Arts building by the Cascades is the Machinery and Transportation building. It occupies a space 500x350 feet or about four acres. The building is in the form of a hollow square, with arcades on all sides and an interior court 100x200, where the pumping station for the Exposition is located. It was designed by Architects Green & Wicks of Buffalo, N. Y. The roof is of red tile and its cement walls are tinted with a color scheme of light reds and yellows. The windows are grilled with iron screens designed after the Spanish "rejas" of the sixteenth century. As an architectural work the building is a masterpiece, in the style of the Spanish Renaissance. The main entrances in the north and south facades are flanked on either side by tall towers having open lanterns and an intricate detail of plastic ornamentation. The entrances are all rich in their decorative work and the walls are broken with arched windows. Each facade is thus enriched with important architectural features and at the four corners are open pavilions from which charming views of the grounds may be obtained. The Machinery exhibits include the most modern agricultural machinery and appliances, and the wonderful display of modern machinery of American invention illustrates the progress that has been made within the last few years. The Transportation exhibit is no less interesting, and includes all of the very latest specimens of road vehicles, locomotives, cars and railroad appliances.

The cost of the building, exclusive of ornamentation, was about \$265,000.

For list and location of exhibits, see the floor plan.

MANUFACTURES AND LIBERAL ARTS BUILDING.

Southeast of the Court of Fountains and separated from the Machinery and Transportation building by the Cascades, is the Manufactures and Liberal Arts building, a handsome structure entirely surrounded with a portico about fifteen feet wide, with openings through semi-circular arches, supported by square columns. On the four ends of the building and in the center of the front, are towers crowned by domes, and through which are the entrances to the building. Over the main entrance of the building on the south is a high dome, flanked by four square, open towers. Broad steps between large groups of statuary lead up to the entrance, which consists of a high arch with two tall columns on either side. Above the arch elaborate relief work enriches the gable. Statues symbolizing the various arts and industries are

placed in the niches at the angles of the several open towers around the dome. The towers may be reached by open spiral staircases, 17 feet in diameter. The interior of the dome, 70 feet across, is encircled by galleries from which one may have a good view of the crowds below. The several entrances and all the exterior work upon the building are of a highly ornamental character, much attention having been given both to the detail and ensemble. The building is lighted from the windows of the loggias and around the inner court, and from skylights. Its dimensions are 500x350, having an exhibit space of about four acres. It was designed by Architects Shepley, Routan & Coolridge of Boston, Mass. The color scheme used on the building is of light browns and reds.

Similar to the Machinery and Transportation building, it has a central court 200 feet by 100 feet, which is used entirely for jewelry and cut glass exhibits. Here the visitor will find gathered together in profusion the very latest productions of the mills and factories of the United States and other countries of the Western Hemisphere, and it may safely be said to be the greatest variety of manufactured products ever brought together. Foods and their accessories, a division having a place in the N. W. end, show the possibilities for food production in Pan-America.

The Department of Liberal Arts, in the N. E. end of the building, includes education, engineering, public works, architecture, literature and kindred subjects.

The cost of the building was \$255,000.

For list of exhibits, etc., see the floor plans on another page of this book.

AGRICULTURE BUILDING.

The Agriculture building occupies the space northeast of the Court of Fountains, with its western end facing the Electric Tower. It is five hundred feet long and one hundred and fifty feet wide, with its longest dimension extending east and west. The architects were Shepley, Routan & Coolridge of Boston, Mass. Along the north and south sides of the building extends an open portico flanked by semi-circular arches, supported on cylindrical columns. The color scheme is in light yellows and reds. In this building will be found agricultural exhibits of a most interesting character, and articles pertaining to the farm, showing many of the wonderful possibilities in farm work. Exhibits from all the South and Central American countries are located on the main floor, and on the north side a gallery is provided for smaller exhibits.

This building is the magnet which attracts progressive farmers, where they can learn how to lighten their labors and improve the

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products of their fields. The exhibits embrace all phases of agricultural work, showing the advantages of different processes and methods of work, and the farm products under all sorts of conditions. Ample provisions have been made to give this important industry the attention it deserves. The exhibits are divided into 13 classes, arranged in three groups.

The first group of six classes is composed as follows: Agricultural systems, management and processes; agricultural statistics; cereals; tubers and root crops; by-products used for food; agricultural products not otherwise classified.

The second group of five classes is as follows: Grasses and forage; fibres of vegetable origin and the processes; fibres of animal origin and the processes; non-edible products of animal origin; and natural fertilizers, crude and compounded.

The third group includes dairy management and appliances, and dairy products.

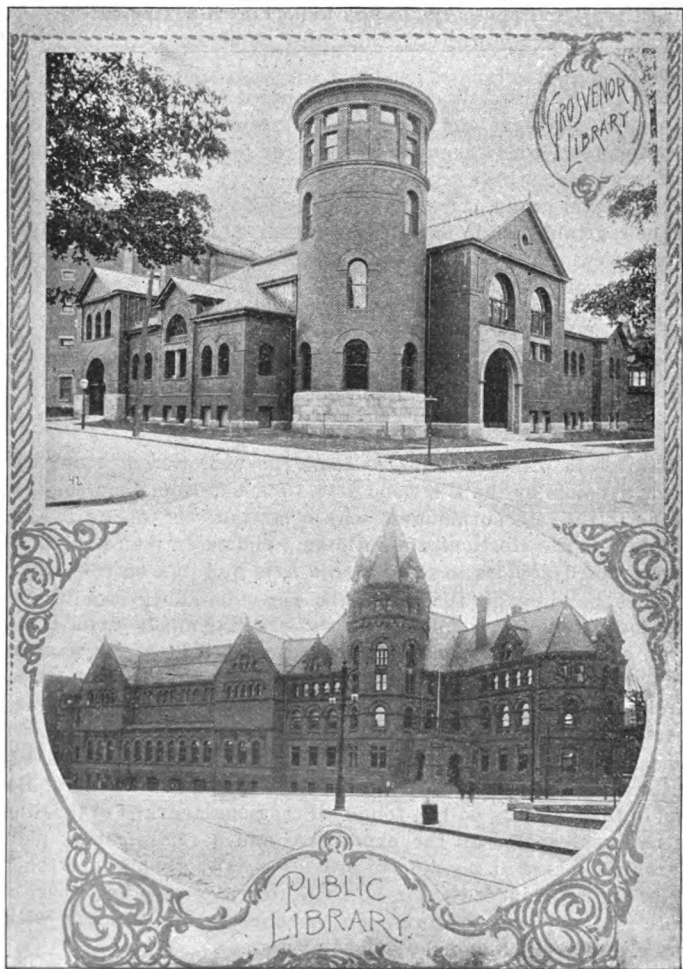
The cost of this building, without ornamentation, was about \$90,000. List of exhibits appears on another page of this book.

HORTICULTURE BUILDING.

Flowers in profusion will welcome the visitors who enter the Exposition grounds by the Elmwood gate. The handsome and commodious building to the left, surmounted with a lantern roof, rising to a height of 240 feet, is the Horticulture building. Square in plan and connected by glass-roofed arcades to the Graphic Arts building on the north, and the Mines building on the south, the three buildings forming a semi-circular court in front, facing the western Esplanade Fountain. The central, or Horticulture, building can be reached from the west by following along the Western Midway road until the canal bridge is reached or from the east directly from the Esplanade. At each of the four corners of the building is a tower, octagonal in design and capped with a dome. The walls of the building are covered with bas reliefs, twining vines, etc. It was designed by Architects Peabody & Stearns of Boston, Mass. In this building will be found all the popular fruits of the different countries represented in the exposition, and a refrigerating plant on the grounds makes it possible to provide a daily supply of fresh fruit. Articles and appliances used in horticulture make up a large part of the exhibit. In the conservatories which connect this building with the others are rare exhibits of hot-house plants.

The cost of the building was about \$240,000.

For list of exhibitors and spaces, see the floor plans appearing on another page of this book.



THE MINES BUILDING.

At the southwestern end of the Esplanade and connected to the Horticulture building by an arcade which is used as a conservatory for flowers, is the Mines building. Square in design, with four square corner towers and a loggia of three arches forming the entrances to the building, which is lighted by means of a glass skylight in the center of the roof. The building has a floor space of thirty thousand square feet and was designed by Architects Peabody & Stearns of Boston, Mass. In this building is found an extensive exhibit of mines and metallurgy. Minerals of every description, both useful and ornamental, are fully represented. The methods and processes employed in the treatment of ores and the means employed in bringing them from the earth can be studied by those interested. All parts of the United States, and every country of South and Central America, Canada, Mexico, and the islands of the sea have contributed to the exhibit. All kinds of machinery used in the manipulation of ores is shown. Taken altogether the Mines building is one of the rare attractions of the Exposition.

List of exhibits appears on another page of this book.

THE TEMPLE OF MUSIC.

The Temple of Music, one of the most beautiful of the Exposition buildings, is situated west of the central fountain of the Esplanade and south of the Machinery and Transportation building. It is a square-shaped building, the arched entrances at the corner giving it a circular appearance. It is surmounted by a tower covering the entire building and this is covered with a dome rising 180 feet above the main floor. The building is colored in light yellows, with gold and red trimmings, and the panels in the dome are in light blue, producing an extremely beautiful effect. The building occupies a space 150 feet by 150 feet, and was designed by Architect Aug. C. Esenwein of Buffalo, N. Y., and cost \$85,000.

It provides an auditorium capable of seating 2,200 people, and contains one of the largest pipe organs ever built in the United States, and daily organ recitals are given by the most celebrated organists of this country and Canada. The organ is the work of Emmons Howard of Westfield, Mass., and is equipped with all the latest improvements known to organ builders. The principal national holidays will be observed with musical festivals, and many of the most famous bands of both the New and Old Worlds will give concerts in the Temple of Music, and from the various other band stands of the Exposition grounds.

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THE GRAPHIC ARTS BUILDING.

In size and form the Graphic Arts building is similar to the Mines building and was designed by the same architects, Peabody & Stearns of Boston, Mass. It is located at the western end of the Esplanade, and is connected to the northwestern end of the Horticulture building by means of an arcade, in which are blossoming hot-house plants. Entrances are provided on each of the four sides of the building, through a loggia of arches. In this building will be found a most timely display, illustrating the remarkable progress of printing and its allied arts.

GRAPHIC ARTS WORKSHOP.

This is the building directly west of the Horticulture building and on the opposite side of the canal. It is a low building with its overhanging eaves forming an open portico, surrounding the entire structure, and flanked by rows of columns. The building is 140x40 feet and is used, as its name implies, as a workshop for the Graphic Arts department. The exhibits are in lithography, printing, engraving, bookbinding, electrotyping, stereotyping and other kindred trades. The architects are Carrère & Hastings of New York.

THE ETHNOLOGY BUILDING.

The Ethnology building occupies a very prominent place in the group of main buildings. It is opposite the Temple of Music, from which it is separated by the cascade fountain, and is, therefore, situated at the northern side of the Esplanade. The building is circular in form with a diameter of 150 feet and four arched entrances are equally spaced around the circumference of the building. The building is surmounted by a dome covered with red tile, while the color scheme for the sides is light yellow. It was designed by Architect George Cary of Buffalo. In this building are exhibits of great historical interest; relief maps of Niagara Frontier, showing sites of the Indian Village, and the results of researches into the origin, the filiation, the customs and institutions of wild and barbarian tribes still existing, or of whom we have authentic records.

The cost of the building was \$88,000.

WOMEN'S BUILDING.

As one enters the Elmwood gate, the building directly ahead and on the east side of the Horticultural Gardens, is the Women's building.

A frame structure, formerly the home of the Country Club.

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In addition to the offices, the building contains a number of beautiful tea rooms and reception rooms, all opening into a large hall, which is planned to serve as a reading room, when not in use for entertainments.

On the main floor of the building will be found a bureau of registration where club women are invited to leave their addresses, so that the building will serve as headquarters for clubs and organizations.

Here the Board of Women Managers of the Exposition will receive and entertain all the honorary members of the Board, the various clubs and other noted guests.

NEW YORK STATE BUILDING.

This is the first building to the right or south of the Elmwood gate, and is an edifice of substantial and enduring character. The architect was George Cary of Buffalo, N. Y., and the cost \$375,000. The exterior of the building is entirely of white marble, and in style of architecture it resembles a Grecian temple of the Doric order. The dimensions of the building are 85x130 feet, the height is 33 feet on the north wall and forty feet on the south wall. In the basement are the boiler rooms, bicycle rooms, etc. The building is provided with a dining room containing about 2,000 square feet, and over 10,000 square feet of floor space is taken up by the museums. After the Exposition the building becomes the permanent home of the Buffalo Historical Society, whose large collection of pioneer relics it contains.

THE STADIUM.

The Stadium for athletic sports, as its name implies, is modeled after the Panathenaic Stadium, scooped by Lycurgus out of the banks of the Ilissus, at Athens, 2200 years ago. It is situated to the left or east of the Plaza as one enters by the railway gate.

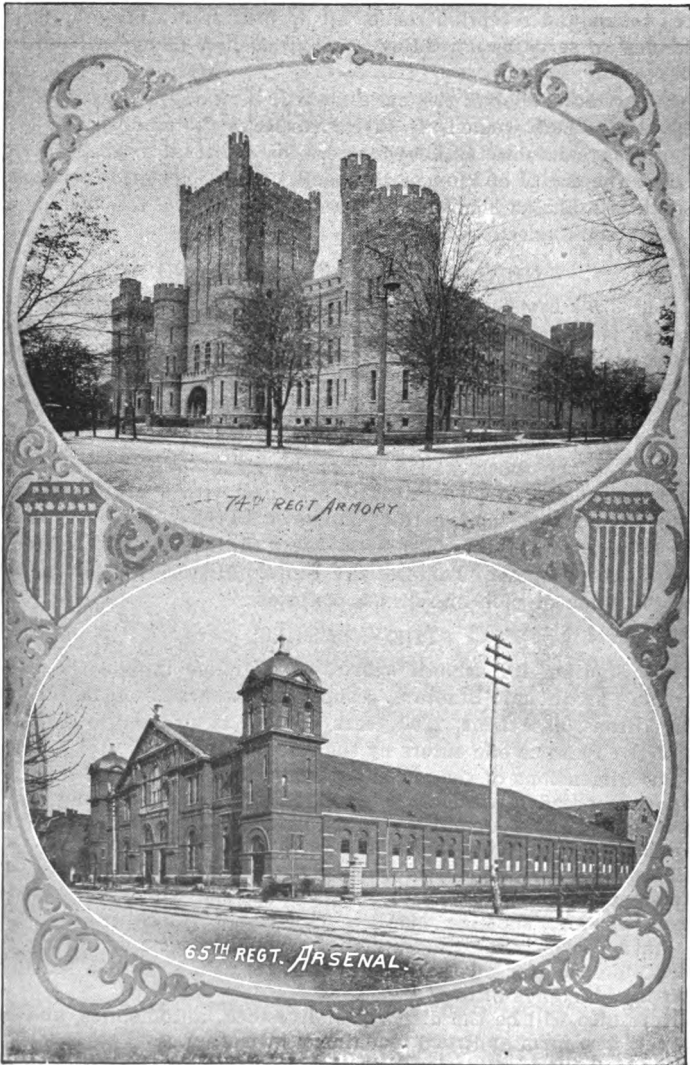
The dimensions of the ancient stadium were 680 feet in length and 130 feet in breadth, while this modern copy is 840 feet long and 400 feet wide. The present interest in athletic sports has been handsomely recognized in this fitting monument to their popularity.

The nature of the sports planned is varied. Amateur as well as professional events of all kinds will be held, and will include baseball, football, cycling, shooting, lacrosse, Caledonian games, cricket, tennis, and other sports. The Stadium contains a quarter-mile racing track and ample space for all the popular athletic games, with a seating capacity in the stands of over 12,000.

Here also will be the displays of livestock, automobiles, and other road vehicles, farm and road machinery in motion.

The structure was designed by Architect Walter Cook of New York City.

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THE ART BUILDING.

The extremely high character of this exhibit makes it especially interesting to all art lovers. All that was best in the many Expositions recently held has been obtained, together with the choicest pictures in many private American collections. The exhibit of paintings and sculpture, though not as large and varied as that of the World's Fair, is thoroughly creditable, and the building of Fine Arts ought to be the most interesting spot on the grounds to cultured people and especially artists. It is situated in the southeastern part of the grounds, directly in front of the Meadow gate, a brick fireproof building 225x100 feet, provided with entrances on the north and south sides, and was designed by Green & Wicks of Buffalo, N. Y.

The Albright Art Gallery, which is in an unfinished condition and in the extreme southwestern part of the Exposition grounds, was to have been used for the Pan-American gallery, but owing to some difficulties met with in the course of its construction, it could not be completed in time, and thus the Exposition lost one of its most beautiful buildings.

THE ORDNANCE BUILDINGS.

The buildings, two in number, for displaying the exhibits of ordnance are located in the southeastern section of the grounds, and south of the section occupied by the state and foreign buildings. On entering the grounds by way of the Meadow Gate, they are the two large buildings to the right. Alike in design and each occupying a space 100x50 feet. The roofs are of red tile with overhanging eaves and the outer walls are colored in light yellows. This is a collective commercial exhibit, everything representing something purchasable, in contradistinction to the government exhibit, located at the north end of the United States Government building. All the largest builders of arms and ammunition are represented, and it undoubtedly is the most complete exhibit of ordnance ever shown. Between the two buildings a Gruson turret, 55 feet in diameter, has been constructed and a model 12-inch gun has been mounted within. This type of gun represents the largest which will now be manufactured in this country for coast defense purposes. The turret and its equipment are the first exhibit of the kind ever made in the United States, and illustrate the newest step made toward an impregnable form of defense. The exhibit is so arranged that visitors may go inside and examine at will the entire interior, the magazine, the method of supplying ammunition to the gun in time of war and various contrivances for efficiency of service when it is required. The display has been in charge of U. S. Lieut. Godfrey Carden.

ACETYLENE BUILDING.

West of the Manufactures and Liberal Arts building and separated by the canal, is the building in which the exhibits of acetylene gas apparatus will be displayed. It occupies a space 100x30 feet and in design and color conforms with the surrounding buildings.

STATE AND FOREIGN BUILDINGS.

In the southeastern section of the grounds and directly south of the U. S. Government buildings are the various and attractive structures erected by the states and foreign countries participating in the Exposition.

The Illinois building—Crossing the bridge at the east end of the Fore Court, this is the second building to the right. A two-story structure, 40x80, with a large verandah on the north side. The entire floor space is taken up by exhibit and reception rooms. The State appropriation was \$75,000.

Michigan building—Southwest of the Indian Mounds, which are about in the center of the space allotted to State and Foreign buildings, is the building erected by the State of Michigan. It occupies a space 70x45, and is two and one-half stories high. A wide porch surrounds the building on all except the south sides, furnishing a pleasant and cool retreat for the visitors. The State appropriation was \$40,000.

New England building—The New England States have combined and are all represented in one large building. It is situated west of the Michigan building, and the best way of approaching it is by crossing the bridge on the east side of the Fore Court. It is a handsome colonial structure, 100x50 feet, two stories high and its flat roof is surrounded by a balustrade. The appropriations from the different States were: Connecticut, \$25,000; Massachusetts, \$15,000; Rhode Island, \$30,000.

New Jersey building—This is the one-story structure north of the Ordnance building. It occupies a space about 35 x 35, which is used almost entirely for reception rooms. The building has large overhanging eaves, and has its entrance on the east side. The State appropriation was \$25,000.

Ohio building—Overlooking Mirror Lake and north of the Illinois building is the structure built by the State of Ohio. Rectangular in shape, two stories high, a capacious porch and balcony surrounding the entire building. The space occupied by the building is 80x120 feet and the State's appropriation was \$30,000.

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Pennsylvania building—West of the Forestry building is the structure erected by the State of Pennsylvania. A two-story building, 30x30, surmounted by a dome, a verandah extending around all sides. The State appropriation was \$35,000.

Wisconsin building—This building is the first building to the right as one crosses the bridge from the east side of the Fore Court. It is a two-story building, 50x50 feet, with gabled roof and has an extremely large and ornamental verandah on its western end. The State appropriation was \$25,000.

Besides the exhibits contained in the various State buildings, these States, as well as the following, are well represented in the other departments of the Exposition: Washington, Oregon, Idaho, North Dakota, Alabama, Minnesota, Missouri, Nebraska, Georgia, Kentucky, Montana, Mississippi, Louisiana, Texas and California (by the Los Angeles Chamber of Commerce).

CANADA BUILDING.

The splendid building situated between the Dairy building and the Stadium, is that erected by the Canadian Government. It consists of two buildings, each three stories high, and connected by a two-story arcade. The space occupied by the buildings is 2,500 square feet, which is used as reception rooms, reading rooms and partly for exhibits, although the Canadian Government has made extensive exhibits in the various Exposition buildings. The Government appropriation was \$112,000.

LATIN-AMERICAN COUNTRIES AND BUILDINGS

The Argentine Republic appropriated \$30,000 gold for its exhibits at the Exposition, and occupies 1,500 square feet of space in the Forestry building, and 3,700 feet in the Agriculture building. The wonderful resources of that country are but little appreciated by the public and this opportunity to study them is worthy of very general attention. The Republic is represented by Lieut. John S. Atwell.

Bolivia has 2,400 square feet of space, distributed in the Agriculture, Mining and Ethnology buildings. The country is particularly rich in its mining resources. Bolivia is represented by Senor Don Ramon Pandohijo, son of the President.

Brazil—A "Brazilian Fazenda" in miniature is a part of the exhibit from this country. It is situated southeast of the Fore Court, and north of the Honduras building, and illustrates the cultivation of coffee, rubber and other products. Brazil also occupies 500 square feet of space in the Agriculture building.



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Chili makes a magnificent showing, having appropriated a larger sum than that of any other country for her representation at the Exposition, \$170,000 gold. Its building, which is one of the most unique in design, cost \$28,000, and the exhibit is a magnificent one, showing her wonderful advance in culture and all the arts of civilization. Chili is represented by a commission of eleven members, with Senor Don Enrique Budge, Commissioner General.

Colombia is represented by Senor Dr. Luis Cuervo-Marques, special Commissioner, but has no exhibits.

Costa Rica occupies 1,660 square feet in the Horticulture, Forestry, Ethnology and other buildings, having some very interesting features. Her representative is Senor Dr. Juan J. Ulloa.

Cuba is represented by a commission of which Senor Don Perfecto Lacoste is chairman. The Cuban building is 50x75 feet, cost \$25,000, and is the second building east of the Fore Court approach. A collection of exhibits of surprising excellence has been arranged for the inspection of those who are interested in this new insular nation.

The Dominican Republic is represented by Senor Don Francisco Leonte-Vazquez, special commissioner and two other commissioners. This country has erected a special building, west of the Ordnance exhibit buildings, costing about \$4,000, and supplying space for a very attractive exhibit of her resources.

Ecuador is represented by a special building, located southeast of the Indian Mounds, having appropriated \$16,000 for her representation. Senor Don F. Mora Silva is the special commissioner.

Guatemala occupies about 1,100 square feet of exhibition space in several buildings and her special commissioner is Senor Don Albert Niquet.

Hayti makes a special exhibit of agricultural products.

Honduras has a graceful building, west of the Fore Court and adjoining the same, costing about \$6,000. Her principal exhibits are those of mines and forestry, as her resources in these products are of signal importance and value. The Ethnological exhibit is also important and valuable.

Mexico has a two-story building, north of the Ordnance building; it is 40 by 60 feet, costing \$5,000, containing only the mining exhibits from that country. Mexico also occupies space to the amount of 3,000 square feet in the Agriculture building; 2,000 feet in the Forestry; 2,000 feet in the Horticulture; 3,000 feet in the Manufactures, and 2,000 feet in the Ethnology building. The Mexican Government is represented by a commission of her foremost citizens, of which Senor Ingeniero Don

Albino R. Nuncio is chief. Mexico also sends a company of mounted Rurales and a Military Band of 62 pieces, which will be quartered upon the Exposition grounds.

Nicaragua occupies important space in the Mining, Horticulture, Agriculture and Ethnology buildings. Senor Don Luis F. Corea is chairman of the Nicaraguan Commission.

Peru occupies space in the Agriculture, Manufactures, Forestry and Mines buildings, and makes a very interesting showing of her varied important products.

Porto Rico is represented by Senor Don Jose T. Silva, chairman and two other Commissioners. The Island Government is spending \$10,000 upon its exhibits. A typical Porto Rican "Rancho" 24 by 78 feet and 20 feet high, costing about \$2,000, contains most of the exhibits from that Island, and is the first building west of the New England building. About 1,200 square feet of space in the Agriculture building is also occupied by Porto Rico.

Salvador makes a good showing of her mineral, agricultural and forestry resources in about 2,000 square feet of space. Senor Dr. Dario Gonzales is chairman of the Salvador Commission.

Uruguay and Venezuela are represented only by individual exhibitors. Venezuela appropriated \$100,000 for an exhibit but political disturbances compelled an abandonment of the project.

Jamaica is represented by the Agricultural Society, which has space in the Horticulture and Agriculture buildings, in charge of Mr. Barclay Bouchier Chadwick.

THE DAIRY BUILDING.

Separated from the Agriculture building by the canal, and the third building to the right as one enters the East Amherst gate, is that occupied by the exhibits of the dairy. It is of the Swiss style of architecture, and is of very clever design, deserving of special mention in this particular. In the center of the building is an exhibition case extending almost the entire length, carefully insulated, in order that its contents shall preserve that freshness which is always the charm of a well-kept dairy. Exhibits are arranged along the sides of the building and cooling plants are provided.

For list of exhibits see another page of this book.

BAZAAR BUILDING.

This building has been laid out with special reference to the needs of Concessionaires who have for sale various kinds of wares, souvenirs, etc., as may properly be sold within the Exposition grounds. Mr. W. W. Bosworth of New York is the architect of this building.

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It is situated on the Mall, west of the Electricity building, being separated from it by the canal, and was built along the same general architectural lines as the other Exposition buildings.

In this building will be found the Post Office, Telegraph Office, Express Offices and Newspaper Headquarters.

THE SERVICE BUILDING.

To the right of the Mall as one enters the Amherst gate is the Service building. This was the first building built on the grounds, and is used as an office and administration headquarters for the Exposition Company. It is a two-story building 150x100 feet, with a light yellow coloring and is provided with an interior court for the lighting of the various interior offices.

THE ROSE AND HORTICULTURAL GARDENS.

This outdoor display is situated in the southwestern part of the grounds, and begins directly in front of the Elmwood gate. Prominent nurserymen from various parts of the country have made exhibits of nursery stock, including orchard and ornamental trees, shrubs and evergreens, and prominent florists generally have planted over 500 beds of floral exhibits in the seven acres set apart for these displays. This includes every variety of the popular flowering plants. When certain flowers are at their best, special exhibitions will be held, and the public may have the pleasure of inspecting wonderful displays of roses, dahlias, gladioli, sweet peas, chrysanthemums, cannas, etc.

SIX NATIONS' STOCKADE.

South of the U. S. Government building is the living exhibit of the Six Indian Nations. A stockade has been built and a typical historic Indian village is reproduced, bringing the visitor back some three or four hundred years ago. The Indians, who are representatives of all the tribes, will follow the customs of their early ancestors in making weapons, utensils, tools, dolls and knick-knacks, and these articles will be offered for sale. In the center of the stockade is a reproduction of the famous council house of the Iroquois. The exhibit is of special value to students, as interpreters are provided so that they may talk with the Indians themselves.

FORESTRY EXHIBIT.

This exhibit is appropriately housed in a building of rough logs, south of the U. S. Government buildings and separated from them by the canal. On entering the Meadow gate and walking northward till

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the second crossroad is reached, it is the second building to the left. It is 100x150 feet in size and contains exhibits from most of the South and Central American countries, as well as complete ones from the United States and Canada.

PRESS BUILDING.

Situated on the south Midway and west of the Horticulture building, is the building provided for the department of publicity. It is a two-story frame structure, 75x60 feet, and the color scheme adopted is in light browns and yellows. The space in the building is used for offices and for the accommodation of the press representatives.

GRANGE BUILDING.

This building is the headquarters for the grangers and farmers. It is equipped with a register, postoffice facilities, check room for baggage, and reading room where 150 agricultural papers are on file.

Through the State and National Granges, arrangements have been perfected with the Keese Information Company to assign visitors to private residences, boarding houses and hotels.

LIVE STOCK.

To the left as one enters the East Amherst gate are the buildings for this exhibit, covering an area of about 10 acres and with a capacity for housing 2,000 animals; fifteen in number and provided with all modern conveniences for the healthful care of stock of all kinds. In this department, owing to the large number of applications for entry great care has been taken that the exhibits shall consist of nothing except the finest specimens of each particular class.

Bench Show—August 27th to August 30th.

Swine—August 26th to September 7th.

Cattle—September 9th to September 21st.

Sheep—September 23d to October 5th.

Horses—October 7th to October 19th.

Poultry—October 21st to October 31st.

Pet Stock—October 21st to October 31st.

RESTAURANTS.

Ample provision has been made for the accommodation of visitors in the following large restaurants, besides those located in the different villages and concessions on the Midway, lunch stands, &c.

At the entrance to the Midway, on the west side of the Plaza.

At the entrance to the Stadium, on the east side of the Plaza.

On the south Midway and west of the Horticulture building.

On the Mall and east of the Manufactures and Liberal Arts building

On the Lake, to the right of the Lincoln Parkway gate.

In the Electric Tower—take elevator.

North of the Ordnance building.

East of the Forestry building.

East Amherst St. entrance.

ROUTES OF THE GONDOLAS.

At various points along the canal are little latticework stations, with landings and awning-shelters. The stops are:

One on the bank of the canal east of the Mall bridge.

One on the bank of the canal west of the west Mall bridge.

One on the east bank of the canal, east of the Government building and under the protection of the frowning muzzles of the big guns of the ordnance exhibit.

One on the southwest corner of the canal system, just at the Six Nations Indian village.

One east and one west of the causeway of the Grand Approach on the west bank of the canal.

One on the west bank of the canal, west of the Mines building.

One at the bridge entrance to the Horticulture building.

One on each side of the bridge across the canal that forms the entrance to the Electric Tower.

One at the foot of the stairs leading to the canal path, opposite the Electricity building.

One at the foot of the stairs leading to the canal path, opposite the Agriculture building.

HOSPITAL BUILDING.

An emergency hospital on the grounds has been provided by the Exposition Company. A competent staff of physicians will be found in attendance constantly. It is the first building to the right as one enters the Amherst gate. The structure is 30x100 feet and is provided with well-equipped operating rooms, sleeping rooms, etc., such as are in any up-to-date hospital.

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A. O. U. W. BUILDING.

South of the Illinois building, in the section of the grounds allotted to the State and foreign buildings, is the structure erected by the Ancient Order of United Workmen. It occupies a space about 30x30, and is designed after the Spanish style of architecture. An open portico surrounds the entire second story, its overhanging eaves furnishing a cool and delightful resort for all visitors. The entire floor space is taken up with reception rooms where the members will congregate.

MACCABEES BUILDING.

This very unique building, erected by the Knights of Maccabees, is located just west of the Forestry building, and is best approached by way of the walk leading south from the U. S. Government building. The building is about 30x30, and on its western end has been erected a square tower, giving the structure the appearance of a miniature castle. Every convenience has been provided in the way of reception rooms, lodge rooms, etc., and members of the order will find this building a convenient meeting place.

LOWNEY'S CHOCOLATE EXHIBIT BUILDING.

Situated on the north side of the Canal Bridge which approaches the Horticulture building from the east and Midway side. The building is three stories in height, the first floor being devoted exclusively to the sale of Lowney's cocoa, chocolate and chocolate bon-bons. On the second floor is located the exhibit of Lowney products, ladies' waiting room and office. The upper floor is a beautiful roof garden, which is well worth a visit for the fine view obtainable.

BAKER'S CHOCOLATE BUILDING.

This building is west of the Horticulture building, and opposite the Lowney building. It is two stories high and is surmounted by a square shaped dome. The lower floor is used for the display of chocolate, cocoa, etc., and around the balcony tables are arranged for visitors while being served with refreshments.

MISSION BUILDING.

This very unique building is located north of the Dairy building and separated from the Agriculture building by the canal. It consists of a central or main building surmounted by a dome, and has two wings extending west and south, respectively, from the same. The structure is a reproduction of a Mexican Mission building and contains the exhibits of The J. & R. Lamb Co., The Buffalo Pitts Co., The M. H. Birge Co., and The Aeolian Co. Aeolian recitals will be given daily.

STANDARD PAINT CO. BUILDING.

This is located just north of the Grange Building, and is the structure used by that firm at the Paris Exposition. The exhibit is of the various kinds of paints, oils, varnishes, etc.

DRAKE BUILDING.

This is the building located on the Mall, and south of Alt Nurnberg. The entire building is covered with bark and the exhibit consists of various specimens of petrified woods as made up into the different articles manufactured by the Drake Co.

CAMERA PRIVILEGES AT THE PAN-AMERICAN EXPOSITION

May be enjoyed upon payment of 50 cents per day for each instrument and a somewhat less rate when permit is taken out for a week, the only limitations being that no tripods be used and the plates must not be larger than 4x5 inches.

PAN-AMERICAN STAMPS.

The series of stamps issued by the Government is said to be "the most artistic series ever issued from the department," and includes the following:

One cent (green)—The lake steamer presents the port bow, the pilot house is well forward and it is propelled by side wheels.

Two cent (red)—The train of four cars is drawn by a locomotive with four drivers; four parallel tracks are shown.

Four cent (red-brown)—The automobile is of the closed coach order, with two men on the box and a part of the United States Capitol at Washington as a background.

Five cent (blue)—This presents the largest single span steel bridge in the world; two trolley cars are seen upon it, and a full view of Niagara Falls is shown under, beyond and up the river with the graceful springing arch as a frame.

Eight cent (lilac)—The great ship canal locks at Sault Ste. Marie, Michigan, are given in a view from a higher point, including the immediate surroundings.

Ten cent (light brown)—An ocean steamship of the American Line, with two smokestacks and masts, presents its starboard bow lapped by a rising wave.

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SCULPTURE AT EXPOSITION.

FOUNTAIN OF KRONOS—Western wing of Esplanade.

FOUNTAIN OF NATURE—Western wing of Esplanade.

FOUNTAIN OF PROMETHEUS—

MINERAL WEALTH—Near Mines building.

PEACE AND PLENTY—U. S. Government building.

RELIGIOUS MUSIC—Temple of Music.

GAY MUSIC—Entrance to Temple of Music.

HEROIC MUSIC—Entrance to Temple of Music.

SACRED MUSIC—Entrance to Temple of Music.

GODDESS OF LIGHT—Surmounting Electric Tower.

PAN WITH AMOR—East end of Propylæa.

TWO TORCH BEARERS—Niches in Electric Tower.

FLORAL WEALTH—Western wing of Esplanade.

THE ARK—Group in Court of Fountains.

THE SCIENCES—Group in Court of Fountains.

STANDARD BEARER—On Triumphal Bridge.

CHARIOT RACE—Near New York State building.

AGRICULTURE—Group in Court of Fountains.

AGE OF ENLIGHTENMENT—East wing of Esplanade.

COURAGE—Triumphal Bridge.

VICTORY—Triumphal Bridge.

QUADRIGA—On Dome of U. S. Government building.

HORSE TRAINER—Near Live Stock buildings.

PATRIOTISM—Triumphal Causeway.

RESTING BUFFALOES—In Sunken Gardens.

HOSPITALITY—On Triumphal Bridge.

For detailed description of Art and Statuary, see official Art Handbook, edited by Mr. David Gray, and scid on the grounds.

The Midway.

Chiefly for the want of a better name, the amusement section of the Exposition has followed in the wake of Chicago, and been called "The Midway." The very large area lying in the northwestern end of the grounds has been allotted to the concessionaries whose business it is to amuse and at the same time instruct the visitors.

Here are found foreign villages with picturesque types of architecture and the curious and interesting evidences of civilization, so different from our own.

In modern expositions the Midway has come to be a fixture, and without it the Exposition would lose much of its charm. Visitors to all of the great National and International shows carry away with them the most pleasant recollections of scenes in the amusement section. This part of the Pan-American does not consist of mere fun-making exhibitions, but in addition to the legitimate amusement which is afforded visitors, there is much that is instructive and profitable.

Great care has been exercised by the Exposition management in making the concessions for these attractions, which, having passed through a period of evolution and development, have attained a degree of splendor quite impossible a few years ago.

Entering the Midway through the Plaza entrance, we give below a brief description of the attractions as they appear.

THE ESQUIMAU VILLAGE.

Genuine Arctic life, presented by representatives of three tribes of Esquimaux from Hudson Straits, with all their home belongings—dog teams, sledges, topeks, kayaks, weapons, etc. The Esquimaux are employed curing skins, carving ivory, manufacturing seal-skin clothing, etc. They present, in an ice-grotto, typical Esquimau dances, chants and athletic games, dog-races, also aquatic sports on the lake. The most instructive and entertaining ethnographic exhibit in the Midway. Special rates to schools and colleges.

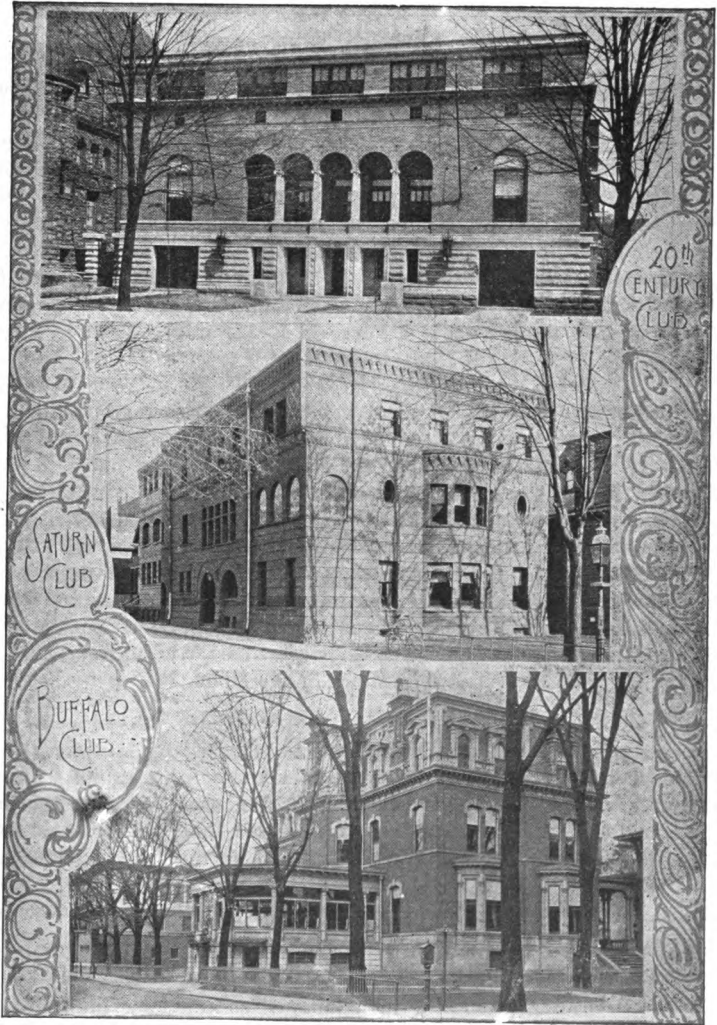
THE MOORISH PALACE (PAN-OPTICON).

Is the first building on the left as one enters the Midway. Nothing at the Fair—certainly nothing on the Midway—is potent for more good in an educational sense than the Moorish Palace. It illustrates in a most vivid manner, scenes and events from the history of every country on the globe. Here may be found many pleasing features for those in search of amusement and for the lover of art a rare treat is in store.

GLASS FACTORY.

A glass factory in full operation—illustrating the process employed

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in the manufacture of all kinds of glassware, from the raw materials to the finished products. Articles are made in the presence of the visitor and offered for sale.

McGARVIE'S STREETS OF MEXICO.

This is one of the most pretentious and complete of the Midway exhibits. It includes a restaurant, market, dance hall, an old rural village, with the genuine adobe huts, a theater in which the native dances and songs are given and a bull-ring in which can be seen the famous Mexican bull fights by native toreadors and imported Mexican bulls. Every feature of Mexican life is here represented with strict fidelity to the original, while the amusements and general atmosphere are identical with those of the sister republic. A Mexican band plays the peculiar native instruments and free outdoor entertainments are given at regular intervals. Bull fights at 2, 3, 4, 8 and 10 P. M., daily. Theater, 2 to 11 P. M., hourly.

A TRIP TO THE MOON.

Visitors are enabled to make a tour of the stars and planets, to really dart through space on a "Trip to the Moon." The tourist to the earth's satellite can recline upon his steamer chair and listen to sweet strains of music while soaring off into boundless space. Entering the atmosphere of the moon the ship drops slowly toward a sea of sunlit clouds and passing through it makes a landing on the moon. Guides meet each excursion party on the Landing Dock and show them to the wonderful underground city of the moon, with its palaces and shops, and hordes of queer people, and then on to the marvelous palace of the "Man in the moon," where all are welcomed by His Majesty, and are entertained with a revel of the "Maids of the Moon."

THE THOMPSON AERIO-CYCLE.

This attraction is the altitudinous novelty of the Midway. It resembles the "teeter" of boyhood days, constructed on a grand scale. It consists of two revolving wheels for carrying passengers, at the ends of a structural steel beam, and is so operated that when one wheel is down the other is at an altitude of 275 feet, affording a wonderful view of the Exposition.

BONNER—THE EDUCATED HORSE.

This exhibit is of the celebrated horse Bonner, the wonderful talking-writing equine comedian, who is possessed of intelligence almost human, performing examples in addition, subtraction, multiplication and division in the same manner as a human being, and giving perfect imitations of a mustang buck, pitch, rear and kick.

FALL OF BABYLON.

Next to the building occupied by Darkness and Dawn, or really in a part of that structure, is the Fall of Babylon. The painting is by the famous French artist, George Rochgrosse, and represents a scene in Belshazzar's Temple. The army of Cyrus, the Persian, is seen entering the gates of the temple. Belshazzar's army, who spent the night in revelry, is surprised and Babylon taken.

The painting is extremely realistic and deserving of a generous patronage.

DARKNESS AND DAWN.

A realistic representation of a departed spirit, whose life on earth has not been exemplary. The visitor witnesses the punishment meted out to scandal-mongers, umbrella borrowers and other offenders. After the seas of fire are passed, beautiful scenes to delight the eye appear, so that the visitor may become accustomed to the more familiar places above ground.

"Dawn" appears as a spectacular culmination of superb electrical and scenic effects.

OLD PLANTATION.

Presenting a veritable Old Southern Plantation, representing the "South be'fo de Wah," introducing 150 Southern darkies in their plantation songs and dances. Old Uncles and Aunties, formerly slaves, living in the genuine cabins in which Abraham Lincoln and Jefferson Davis were born, also other historical cabins from the Old South. A Georgia cotton field with real growing cotton and a grand cake walk on the levee, participated in by the entire company.

AFRICAN VILLAGE.

A collection of some thirty-five different African native tribes with their supremely ancient weapons, household gods and primitive handicraft. Native workmen show their skill in working of gold and silver. The enclosure contains sections of large villages in their primitive state, with a theatre in which are given at times free exhibitions of native dances and entertainment. The folk songs and tales of equatorial Africa are given, showing the derivation of our negro melodies, and witchcraft tales. A Boer exhibit with hospital and trek wagons, various curios illustrating the war in Africa, with the hammock carriers and means of transportation of the great African caravans.

VOLCANO OF KILAUA.

A faithful reproduction of the Burning Mountain of the Sandwich Isles. The spectator stands within an extinct crater of this perpetual

fire mountain, while its carmine hued fires belch forth and the streams of molten lava are forced from its cavernous depths. No lasting torment could be more horrible than the feeling which comes over you as you gaze into the depths of this Inferno of the world.

HAWAIIAN VILLAGE AND THEATER.

This attraction is especially interesting to visitors, since the life, customs, etc., of our new island possession are represented. In the village one can see the whole modus of sugar and coffee culture, gigantic palms, and the rites and ceremonies of the islanders. In the theater are given the native plays by native actors, introducing the famous Hulu-Hulu dancing girls, who dance this graceful measure as it is only danced to royalty. The hulu-pahu and the alaapa-apa dances are also given for the first time in this country. For good wholesome fun this concession affords one of the best Midway attractions.

MINIATURE WORLD'S FAIR.

As its name implies, the World's Fair has been transported to the Pan-American Midway, and is here shown, though somewhat reduced in size, but still preserving its essential features. This attraction will prove of interest to those who did not attend the Chicago Fair, and will serve to refresh the memory of those who were more fortunate.

ROLTAIR'S HOUSE UPSIDE DOWN.

(Palace of Illusions)

This is the oddest attraction on the grounds and represents a real house standing on its roof and chimneys. The visitor enters through the roof and after passing through the various apartments (all appearing in topsy-turvy arrangement), reaches the grand palace of illusions, where twenty beautiful young women are shown in different living illusions, cleverly arranged with splendid settings. On the stage are shown four transformation illusions, one dissolving into the other and culminating with Roltair's masterpiece, "Niagara Falls."

CLEOPATRA'S TEMPLE.

The splendid building of Egyptian architecture, directly opposite the House Upside Down. Here are shown a series of grand paintings illustrating events in the life of the Egyptian Queen, culminating with Cooper's masterpiece, "Cleopatra," in which she is shown surrounded by her oriental splendor in a beautiful pose, and displaying her charms in order to captivate Antony. The paintings are extremely realistic, combining grace and beauty, and one almost believes the most beautiful woman in the world is there in flesh. The exhibit is owned by Alonzo Lincoln.

AROUND THE WORLD.

As its name implies, in this concession the visitor really enjoys a trip around the world. Native singing and dancing girls of the different countries render their peculiar songs and fascinating dances. By a very ingenious arrangement the surroundings are almost instantly changed, representing the different countries as illustrated.

MUTOSCOPE.

Entrance to this attraction, being free, visitors may enter and satisfy themselves. Fully 150 moving picture or mutoscope machines, with an endless variety of subjects may be seen by dropping a "penny in the slot."

COLORADO GOLD MINE.

A faithful representation of a gold mine in working order, showing the manner employed in wresting the gold of commerce from the secret rock bound treasure troves of nature. On entering the mine competent guides explain the various drifts, veins and ledges.

This is not a model, but an actual reproduction of a Colorado mine.

PABST'S PAVILION.

In which the beer that made Milwaukee more famous, can be bought in quantities to quench the thirstiest thirst, while the strains of an excellent orchestra delight the ear. Solid refreshments are also provided.

AKOUN'S BEAUTIFUL ORIENT.

A dazzling, realistic display of the charms of the far east, reproducing the streets, villages and encampments of the principal countries. Some of the most noted buildings, mosques and minarets are reproduced and occupied by hundreds of natives, traders, fortune-tellers, etc., occupying booths, bazaars, theaters and coffee houses. Camel riding, donkey riding, elephant riding and the Oriental sports and pastimes furnish an endless amount of amusement to the visitor, while in the theater may be seen the congress of Oriental dancing girls, including La Belle Rosa, Fatma, Fatima, Carmen and many others in their peculiar native dances.

DREAMLAND.

At the west end of the Midway is the building occupied by Dreamland, or the Mirror Maze. Behind mirrors is a large amount of fun for those who attempt to explore its recesses. No illusion on the Midway is more confusing and amusing.

CINEOGRAPH.

In this building, located at the north end of the west Midway, are



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shown a collection of moving pictures of various scenes in life, faithfully reproducing motions, etc., so that the pictures appear extremely realistic. The pictures are entirely of scenes of interest, and are a highly creditable collection.

MRS. McCREADY'S RESTAURANT.

Here the visitor may procure foods of any description to satisfy "the inner man." A first-class restaurant in every particular and assured of a high-class patronage.

WAR CYCLORAMA.

Representing the Battles of Missionary Ridge and Lookout Mountain. The visitor has presented before him the scenes of this great battle of the Civil War. The proprietors could scarcely have selected a more interesting and instructive picture for the occasion.

THE CARDIFF GIANT.

Here are exhibited the fossil remains of a prehistoric man. This curiosity was dug up near Cardiff, N. Y., in 1869, the remains being over ten feet in length and weighing nearly 3,000 pounds. The giant has caused considerable of a sensation and has been an object of interest to many of the most noted scientific men throughout the country.

CORA BECKWITH.

Visitors to this concession will have the opportunity of seeing this noted lady swimmer. In a tank erected in the center of the building, continuous exhibitions are given in which Miss Beckwith performs the many aquatic feats of swimming, diving, etc., which have already made her famous.

WILD WATER SPORTS.

Here a number of elks and other animals are exhibited. From platforms erected high above a lake constructed in the center of the building, living elks dive into the water below, and perform other equally daring feats for which they have been especially trained.

A feature of the exhibit is the "Wild Boar Chase," in which genuine Norwegian boars are seen pursued by hounds and mounted hunters through the mountain passes, the chase terminating by the boars, hounds and mounted hunters plunging into the lake.

GYPSY CAMP.

In this exhibit the visitor is introduced to a genuine gypsy camp, with all its embellishments true to their manner of life. Fortunes are here told that cannot fail to come true, and the opportunity is afforded

of purchasing the many various articles made by the gypsies and peculiar to their race.

In the theater is Princess Stellita with her troupe of Gypsy dancers, and Lola Cotton the phenomenal mind reader.

BOSTOCK'S CHARIOTS.

Similar in operation to a merry-go-round, although possessing many new and distinct features, this concession cannot fail to do a rushing business. The amusement afforded is especially entertaining to people both old and young.

JOHNSTOWN FLOOD.

For this concession a large building has been constructed north of the Bazar building. In it is presented a graphic illustration of the storm leading up to the breaking of the artificial lake and the awful flood of the Conemaugh river which overwhelmed the city of Johnstown, Pa., in 1889. This exhibition will interest all lovers of the artistic and is indeed a phenomena of color effects. On the ground floor of the building, the management have provided parlors to be used as educational headquarters for teachers, etc.

PHILIPPINE VILLAGE.

This is the opportunity for all to learn just how a Filipino village looks. It contains representatives from all the races inhabiting the islands, ranging from cannibalism to the highest degree of civilization. The industries of the islands, cultivating with the water buffaloes, rope and cigaretos manufacturing, and the weaving of the beautiful pina silk are here seen. In the theater are given the native plays, and the great Bolo Sword dance, danced for the first time in this country.

ALT NURNBERG.

"Alt Nurnberg," the German Village of the Exposition, conveniently located at the corner of the Midway and the Mall, is one of the most picturesque spots to be found on the grounds. Its main features are the architectural reproductions of buildings in the famous old city of Nurnberg, and the idea is carried out in a most artistic manner. Among the many attractions to be found there are the Royal Bavarian Band of 48 pieces, under the direction of Herr Jacob Peuppus, Royal Bavarian Director of Music; Fraulein Antoine Stolle, with color reproductions of famous paintings; the Gebhard astronomical clock, the Koenigseer troupe of peasant singers and yodlers, and Luchow's famous German restaurant.

INFANT INCUBATORS.

This exhibit is housed in the brick structure which is the next east

of the Service building. In it is a complete incubating plant where eleven prematurely born children are being reared. Many new and original devices are here illustrated, and not only in novelty but from an instructive point of view is the exhibit interesting.

FAIR JAPAN.

Entering the Japanese village, through the gate of the Nikkil Temple, one can easily imagine himself to be in Fair Japan. Native girls in native costumes serve the tea, and geisha girls entertain you with dancing. The buildings and decorations are strictly Japanese. A reproduction of a royal dwelling is shown and in the numerous bazaars and shops all sorts of trinkets are exhibited and sold as souvenirs. A free outdoor performance is given at times and in the theater is given a strictly Japanese performance, by the native jugglers, dancers, etc.

IDEAL PALACE.

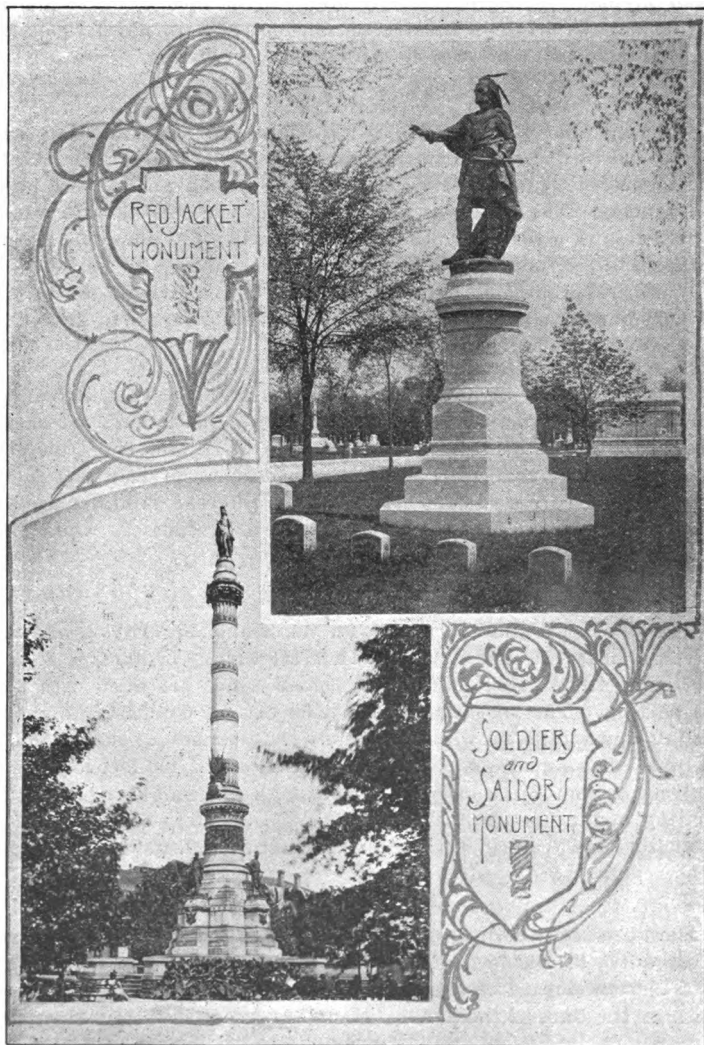
Opposite Venice in America is the Ideal Palace. This in reality is an artist's studio where are illustrated many of the famous art masterpieces. Living subjects are used entirely in illustrating the many pieces, the troupe consisting of some two dozen American and foreign models, selected from various studios. The different paintings are very faithfully reproduced and for lovers of art, and others as well, this is certainly a treat.

SCENIC RAILWAY AND AQUARAMA.

Trains of cars glide up and down the Scenic Railway, upon which the visitor may ride and enjoy a wonderful variety of landscape views. Electrically illuminated tunnels are passed which are filled with beautiful scenery. The sensation of the ride can be compared to that of coasting down hills in winter, without the element of danger to life and limb. The Aquarama consists of a canal over 1,100 feet long, winding through beautiful scenery, representing lakes, forests, etc., and terminating in the famous "Caves of Caprie." Securely built boats carry the visitor safely along, the beautiful electrical effects adding realism to the scenes.

THE ZANZIGS.

Here are seen the famous palmists, whose reputation in this art is almost universal. One can scarcely conceive the marvelous accuracy which this celebrated troupe displays in character and life-reading, as shown by the lines of the hands. Many are dissatisfied with their present vocations in life and this attraction affords them an opportunity of ascertaining their mistakes, and starting anew in their chosen calling.



DAWSON CITY.

A series of skillfully worked-out transformation scenes, assisted with elaborate electric scenic effects, depicting a trip to Dawson City and terminating in the awful destruction of that city as it occurred in January, 1901. Starting his trip through Weber Canon, Utah, the visitor arrives at Seattle and departing by steamer encounters an ocean storm. After his arrival at Skagway, crossing the White Pass and shooting the White Horse Rapids, the traveler arrives at Dawson City in the land of the Midnight Sun. So vivid are the scenes representing the conflagration, that one can almost imagine himself an eye-witness of the catastrophe.

THE EVOLUTION OF MAN.

Here the Darwinian theory of evolution is very completely illustrated. The successive stages of development by which the "genus homo" of the present day was evolved from its primaeval progenitors is shown by numerous well-selected examples, from the lowest type of Simian development to the "missing link" or educated chimpanzee, Esau, who all but talks, and from the lowest savage to the polished gentlemen of today.

BOSTOCK'S ANIMAL ARENA.

Located just inside the Elmwood entrance, and west of the Horticulture building. This is one of the greatest amusement features of the Midway. The exhibit presents one of the finest collections of trained wild animals ever before shown, more than 1,000 caged beasts appearing in the exhibit. Continuous performances are given in the cage erected in the center of the building, and the trained animals, birds and reptiles from every clime are made to do their trainers' bidding. The crowning feature is the challenge act of Capt. Bonavita, with 25 performing forest-bred lions.

CHIQUITA.

The next building south of the Animal Show is the home of Chiquita. This sprightly little midget was born on the Island of Cuba, a little over 31 years ago. Her height is but twenty-six inches, though she is proportionately developed and possesses a remarkably beautiful face. Her parlors, in which she receives visitors, are daintily furnished in keeping with the diminutive proportions of the mistress, who is a fluent conversationalist in seven different languages and, therefore, a most interesting hostess.

VENICE IN AMERICA.

This is a perfect replica of the living city, with real palaces, shops

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bridges and canals, gondolas and gondoliers. Visitors can ride in the gondolas and be steered through the windings of the palace-lined waterways, while the ear is charmed with sweet songs and the music of the mandolin or guitar.

OSTRICH FARM.

The ostrich farm consists of an enclosure of $2\frac{1}{2}$ acres in which are shown about 75 ostriches, of all sizes from the chick to the full grown bird. The nests of the birds, with eggs and feathers in the unfinished conditions are shown, and the process of raising the birds, producing, curing and marketing the feathers is illustrated. From an instructive point of view the exhibit is assuredly interesting.

JERUSALEM ON THE DAY OF THE CRUCIFIXION.

This consists of a cyclorama representing the scenes, conditions, &c., in and about Jerusalem on the day Christ was crucified. The fame of this production is quite well known throughout the country, and will be of special interest to those religiously inclined, and a lesson to others.

MINIATURE RAILWAY.

This is indeed the smallest operating railroad in the world. Passengers have the same seating comforts as on first-class trains and are given a trip possessed of many novelties.

THE INDIAN CONGRESS.

Located at the south end of the Midway, west of the Horticulture building, and near the Elmwood avenue entrance. Here are congregated 700 Indians, representing 42 distinct tribes and living in their aboriginal and primitive state. Fifteen famous War Chiefs, Indian Rough Riders, Indian Dances, Sports and Pastimes, Indian Museum, Ceremonial House; Winona, the Sioux maiden and champion rifle shot of the world; Indian Blanket, Basket and Pottery makers; 500 Indians in great realistic sham battle. No such lesson in history can be gleaned from books as is here shown by "Native Americans"—long-haired painted savages in all their barbaric splendor.

THE CAPTIVE BALLOON.

To the left of the entrance to the Stadium is the space allotted for the exhibit of the Captive Balloon. The balloon is 100 feet in diameter, made of silk and carries a comfortable car for the seating of those who desire to make the trip upwards. It is operated by machinery and ascends to a height of 1,000 feet, remaining up 15 minutes, affording a magnificent view of the grounds and adjacent country.

Inscriptions of the Exposition.

Upon the panels of the prominent buildings are the following inscriptions from the pen of Richard Watson Gilder, editor of the Century :

INSCRIPTIONS FOR THE PROPYLAEA.

Panel I—Here, by the great waters of the North, are brought together the peoples of the two Americas, in exposition of their resources, industries, products, inventions, arts and ideas.

Panel II—That the century now begun may unite in the bonds of peace, knowledge, good will, friendship, and noble emulation all the dwellers on the continents and islands of the New World.

INSCRIPTIONS FOR THE STADIUM.

Panel I—Not ignoble are the days of peace, not without courage and laureled victories.

Panel II—He who falls bravely has not truly failed, but is himself also a conqueror.

Panel III—Who shuns the dust and sweat of the contest on his brow falls not the cool shade of the olive.

INSCRIPTIONS FOR THE GREAT PYLONS OF THE BRIDGE.

On the Pylons are statues of Courage, Liberty, Tolerance, Truth, Benevolence, Patriotism, Hospitality and Justice.

Panel I—The spirit of adventure is the maker of commonwealths.

Panel II—Freedom is but the first lesson in self-government.

Panel III—Religious tolerance a safeguard of civil liberty.

Panel IV—A free state exists only in the virtue of the citizen.

Panel V—Who gives wisely builds manhood and the state—who gives himself gives best.

Panel VI—To love one's country above all others is not to despise all others.

Panel VII—The brotherhood of man—the federation of nations—the peace of the world.

Panel VIII—Between nation and nation as between man and man, lives the one law of right.

DEDICATORY INSCRIPTIONS.

Panel I—To the ancient races of America, for whom the New World was the Old, that their love of freedom and of nature, their hardy courage, their monuments, arts, legends and strange songs may not perish from the earth.

Panel II—To the explorers and pioneers who blazed the westward path of civilization, to the soldiers and sailors who fought for freedom and for peace, and to the civic heroes who saved a priceless heritage.

Panel III—To the great inventors and far-seeing projectors, to the engineers, manufacturers, agriculturalists and merchants who have developed the resources of the New World, and multiplied the homes of freemen.

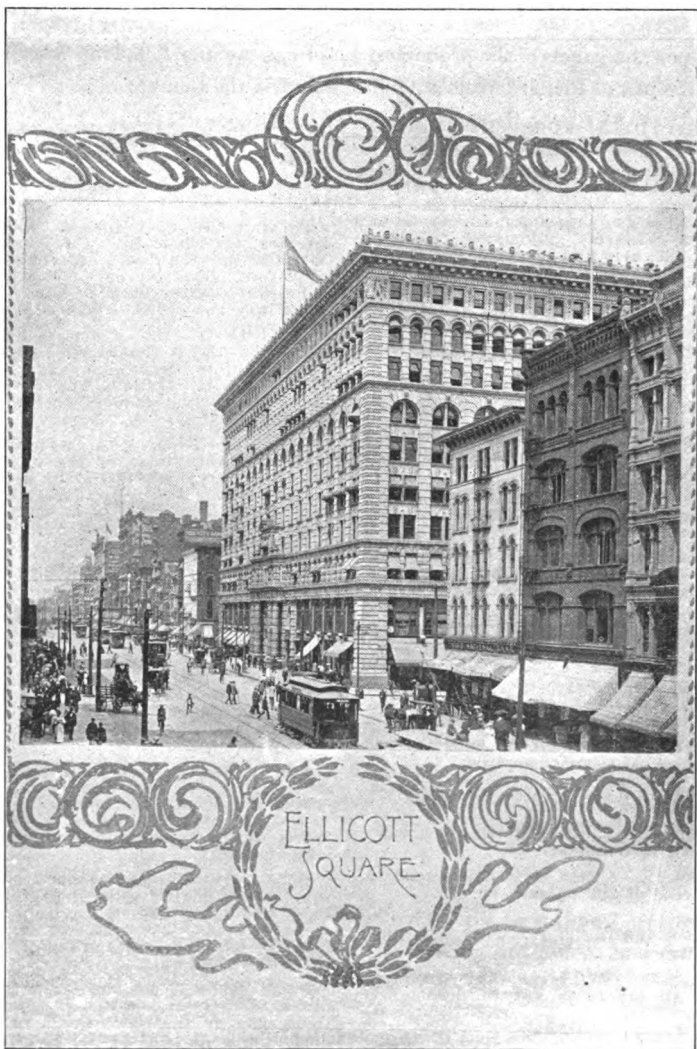
Panel IV—To those who in the deadly mine, on stormy seas, in the fierce breath of the furnace and in all perilous places are working ceaselessly to bring to their fellow men comfort, sustenance and the grace of life.

Panel V—To the scholars and laborious investigators who, in the Old World and the New, guard the lamp of knowledge and, century by century, increase the safety of life, enlighten the mind and enlarge the spirit of man.

Panel VI—To those painters, sculptors and architects, tellers of tales, poets, and creators of music, to those actors and musicians who in the New World have cherished and increased the love of beauty.

Panel VII—To the prophets and heroes, to the mighty poets and divine artists, and to all the lightbearers of the ancient world who inspired our forefathers and shall lead and enlighten our children's children.

Panel VIII—To the statesmen, philosophers, teachers and preachers and to all those who, in the New World, have upheld the ideals of liberty and justice, and have been faithful to the things that are eternal.



Music at the Exposition.

Following is a list of the bands that will furnish the music from the several band stands erected about the Plaza and the Esplanade:

May 1st to July 29th—Seventy-fourth Regt. Band.

May 1st to July 29th—Sixty-fifth Regt. Band.

May 6th to June 1st—Seventy-first Regt. Band.

June 3d to June 8th—Thirteenth Regt. Band of Hamilton.

June 10th to July 6th—Sousa's Band.

July 8th to Aug. 4th—Elgin Band.

July 29th to Aug. 25th—Scinta's Band.

July 29th to Aug. 25th—Carlisle Indian Band.

Aug. 5th to Aug. 11th—Ithaca Band.

Aug. 5th to Aug. 25th—Phinney's Band.

Aug. 12th to Sept. 8th—Lund's Orchestra.

Aug. 26th to Sept. 1st—Forty-eighth Highlanders.

Aug. 26th to Aug. 31st—Robertson's Band of Albany.

Sept. 2d to Sept. 8th—Kirk's Band.

Sept. 2d to Sept. 15th—Salem Cadet Band.

Sept. 9th to Oct. 6th—Brooke's Band.

Sept. 16th to Sept. 21st—Nineteenth Regt. Band.

Sept. 16th to Sept. 29th—Boston Ladies' Band.

Sept. 23d to Sept. 29th—Detroit Concert Band.

Oct. 7th to Oct. 20th—Weber's Band.

Oct. 7th to Oct. 20th—Victor Herbert's Orchestra.

Oct. 7th to Oct. 20th—Innes' Band.

Four Days—Newsboys' Band of Grand Rapids.

Porto Rican String Band—Two months.

PAN-AMERICAN ORGAN RECITALS.

A unique and interesting feature of the Exposition will be the series of free organ recitals to be given daily in the Temple of Music. In connection with the stately structure devoted to the divine art, the idea early suggested itself to arrange for the erection of a great organ and to secure the services of distinguished organists who would effectively interpret the standard works composed for this instrument. In arranging these recitals, it has been the aim to have as many sections and important cities in the United States and Canada represented by their leading organists, as possible. The success attained in securing such artists has been extremely gratifying. They have shown a most encouraging spirit of good will towards the enterprise, and the only regret felt by the Exposition is that all who were willing to contribute their services in this cause could not be given engagements. As it is, however, about seventy-five organists (many of international reputation, and representing nearly every portion of this country and Canada), will be heard.

ORGAN MUSIC AT THE EXPOSITION.

The list of names of organists and dates follows :

- May** 1-19—I. V. Flagler, Auburn, N. Y.; C. P. Garratt, Hamilton, Ont.;
N. H. Allen, Hartford, Conn.; Wenham Smith, Newark,
N. J.; Gerritt Smith, New York City.
20-22—Frederic Archer, Pittsburg, Pa.
23-25—W. E. Fairclough, Toronto, Canada.
28-30—W. C. Hammond, Holyoke, Mass.
31- 1—W. P. Stanley, Brooklyn, N. Y.
- June** 2- 6—H. J. Stewart, San Francisco, Cal.
7- 8—Russell K. Miller, Philadelphia, Pa.
9-12—Richard T. Percy, New York City.
13-16—J. Frank Donahoe, Boston, Mass.
17-19—E. Russell Sanborn, Boston, Mass.
20-22—Gustave Frese, Louisville, Ky.
23-25—Charles E. Clemens, Cleveland, O.
26-27—Henry Houseley, Denver, Col.
28-30—Harrison M. Wild, Chicago, Ill.
- July** 1- 2—Albert Jordan, Brantford, Canada.
3- 6—Louis Falk, Chicago, Ill.
7- 8—F. W. Reisberg, New York, N. Y.
9-11—Archer Gibson, Baltimore, Md.
12-14—William Reed, Quebec, Canada.
15-17—Frank H. Simms, New Orleans, La.
18-20—Francis L. York, Detroit, Mich.
21-23—J. D. Dussault, Montreal, Canada.
24-25—S. D. Cushing, Toledo, O.
26-28—Mrs. Mary C. Fisher, Rochester, N. Y.
29 —George B. Carter, Delaware, O.
30 —W. H. Hewlett, London, Ont.
31 —Ferdinand Dunkley, Ashville, N. C.
- Aug.** 1- 3—Hamlin H. Hunt, Minneapolis, Minn.
4- 6—Charles Galloway, St. Louis, Mo.
7- 8—A. Ray Tyler, Brooklyn, N. Y.
9 —Wm. C. Schwartz, Philadelphia, Pa.
10 —Benjamin J. Lang, Boston, Mass.
12-14—Summer Salter, Ithaca, N. Y.
15-16—R. H. H. Clarke, Meriden, Conn.
17 —Mrs. P. V. M. Raymond, Lincoln, Neb.
18-20—W. S. Sterling, Cincinnati, O.

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- Aug. 21-22—Miss Emma L. Maynard, Gary, S. D.
23-25—Arthur Bernier, Quebec, Canada.
27-28—Walter Heaton, Reading, Pa.
29-31—Henry Gordon Thunder, Philadelphia, Pa.
- Sept. 2- 4—Gaston M. Dethler, New York City.
6- 8—Everett E. Truette, Boston, Mass.
9 —Harry L. Vibbard, Syracuse, N. Y.
10-11—Samuel P. Warren, New York City.
12-13—Miss Gertrude Sans-Souci, St. Paul, Minn.
14 —Harry J. Zehm, Harrisburg, Pa.
18-19—Thomas Radcliffe, Salt Lake City, Utah.
20 —Henry B. Vincent, Erie, Pa.
21-22—Herve D. Wilkins, Rochester, N. Y.
23 —C. A. Stein, Troy, N. Y.
24-25—J. B. Tipton, Albany, N. Y.
26-27—R. H. Woodman, Brooklyn, N. Y.
29-30—Miss Fannie M. Spencer, New York City.
- Oct. 1 —John P. Lawrence, Washington, D. C.
2- 3—W. H. Donley, Indianapolis, Ind.
4- 6—Harry B. Jepson, New Haven, Conn.
7- 8—Miss Ione B. Riddell, Cincinnati, O.
10-12—William C. Carl, New York City.
13-16—Clarence Eddy, New York City.
17-18—Harry Rowe Shelley, New York City.
21-23—N. J. Corey, Detroit, Mich.
27-29—William B. Colson, Cleveland, O.

BUFFALO ORGANISTS—William J. Gomph, official organist; Andrew T. Webster, Will S. Jarrett, Henry S. Hendy, Seth C. Clark, Miss Mary McConnell and Ulysses Thomas.

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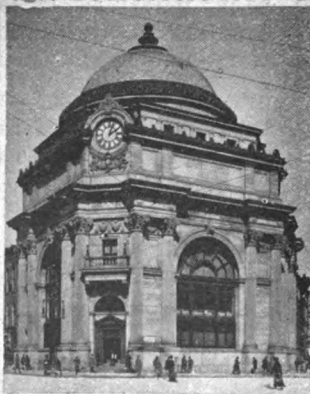
BANK OF BUFFALO



MARINE BANK



ERIE COUNTY BANK



BUFFALO SAVINGS BANK

Sport Days.

There will be a continuous carnival throughout the summer in the magnificent Stadium of the Pan-American Exposition. Following is the schedule of events:

Friday, May 17th—Cornell-University of Michigan Baseball Game.

Saturday, May 18th—Erie County Track and Field Games.

Friday, May 24th—New York State Interscholastic Track Games.

Saturday, May 25th—New York State Interscholastic Track Games.

Friday, May 31st—Pan-American Intercollegiate Track Games.

Saturday, June 1st—Pan-American Intercollegiate Track Games.

Monday, June 3d to 7th—School Boy Military Tournament.

Saturday, June 8th—Cornell-Carlisle Baseball Game.

Thursday, June 13th—A. A. U. Championships.

Friday, June 14th—A. A. U. Championships.

Saturday, June 15th—A. A. U. Championships.

Monday, June 17th—A. A. U. Basketball Championships.

Tuesday, June 18th—A. A. U. Basketball Championships.

Saturday, June 22d—Western New York Track Meet.

Monday, June 24th—Canoe Meet.

Tuesday, June 25th—Canoe Meet.

Thursday, June 27th—Volksfest (German Singing Societies).

Friday, June 28th—Scottish Games.

Saturday, June 29th—Scottish Games.

Monday, July 1st—Canadian-American Lacrosse Championships.

Tuesday, July 2d—Canadian-American Lacrosse Championships.

Wednesday, July 3d—Canadian-American Lacrosse Championships.

Thursday, July 4th—All-round A. A. U. Championship and Handicap events; Marathon Race.

Saturday, July 6th—Exhibition by German Y. M. C. A.

Monday, July 8th to Saturday, July 13th—Water Sports.

Wednesday, July 10th—Interscholastic Basketball.

Thursday, July 11th—Interscholastic Basketball.

Friday, July 12th—National Interscholastic Track and Field.

Saturday, July 13th—National Interscholastic Track and Field.

Monday, July 15th to 20th—Shooting Meet.

Tuesday, July 22d—National Y. M. C. A. Track and Field Games.

Wednesday, July 24th—National Y. M. C. A. Track and Field Games.

Friday, July 26th—Metropolitan Meet A. A. U.

Saturday, July 27th—Metropolitan Meet A. A. U.

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Monday, August 5th—Bicycle Meet and National Amateur Championships.

Tuesday, August 6th—Bicycle Meet and National Amateur Championships.

Wednesday, August 7th—Bicycle Meet.

Thursday, August 8th—Bicycle Meet.

Friday, August 9th—Bicycle Meet.

Saturday, August 10th—Bicycle Meet.

Monday, August 12th—Bicycle Meet.

Tuesday, August 13th—Bicycle Meet.

Wednesday, August 14th—Bicycle Meet.

Thursday, August 15th—Bicycle Meet.

Friday, August 16th—Bicycle Meet.

Saturday, August 17th—Bicycle Meet.

Thursday, August 22d—Firemen's Tournament.

Friday, August 23d—Firemen's Tournament.

Saturday, August 24th—A. A. U. Gymnastics.

Wednesday, August 28th—Irish Sports.

Thursday, August 29th—Irish Sports.

Friday, August 30th—Irish Sports.

Saturday, August 31st—Irish Sports.

Monday, Sept. 2d—Association Football.

Tuesday, Sept. 3d—Association Football.

Wednesday, Sept. 4th—Association Football.

Thursday, Sept. 5th—Association Football.

Friday, Sept. 6th—Pan-American World's Championships, Cross Country Run.

Saturday, Sept. 7th—Pan-American World's Championships.

Monday, Sept. 9th—Cattle Show.

Tuesday, Sept. 10th—Cattle Show.

Wednesday, Sept. 11th—Cattle Show.

Friday, Sept. 13th—Cattle Show.

Saturday, Sept. 14th—Cattle Show.

Monday, Sept. 16th to 21st—Automobile Week.

Saturday, Sept. 28th—Columbia-U. of B. Football Game.

Saturday, Oct. 5th—U. of B.-Lehigh Football Game.

Saturday, Oct. 12th—U. of B.-Brown Football Game.

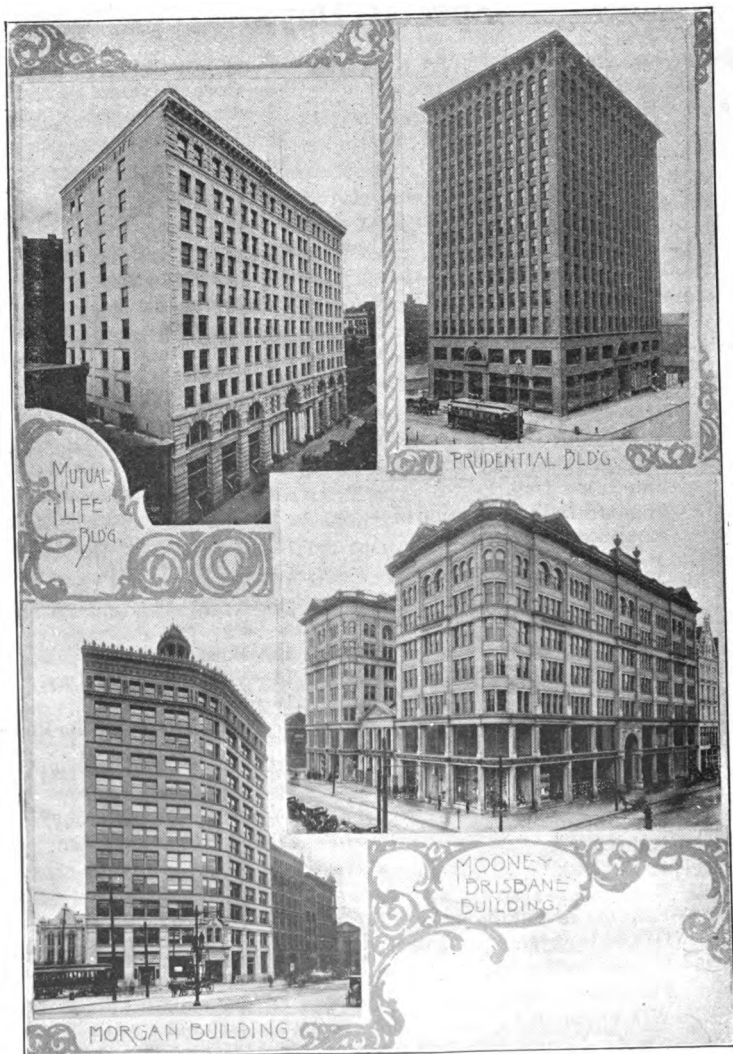
Saturday, Oct. 19th—Cornell-Carlisle Football Game.

Wednesday, Oct. 23d—Wesleyan-U. of B. Football Game.

Special Days.

- May** 1—Opening Day.
20—Dedication Day.
- June** 6—Hotel Men's Day.
12—Coal Men's Day.
13—President's Day.
14—Flag Day.
17—New England Day.
Bunker Hill Day.
18—Wells College Day.
19—A. O. U. W. Day.
20—Connecticut Day.
21—Rochester Day.
24-29—Saengerfest.
26—Odd Fellows' Day.
27—Odd Fellows' Day.
Volksfest (evening).
28—Cincinnati Day.
29—Philadelphia Day.
- July** 1—Dominion Day.
2—Missouri Day; Dedication of
Louisiana Purchase Bldg.
Wellesley College Day.
3—Dedication Illinois State
Building.
4—Independence Day.
5—New York Liederkranz
Day. New York State
Association of Teachers.
6—Educators' Day.
10—Maryland Day.
11—Commercial Travelers'
Day.
16—Chautauqua Day.
18—Ohio Day.
19—Eagle Day.
23—C. M. B. A. Day.
24—Knights of Columbus
Day. Utah Day.
25—Scandinavian Day.
Porto Rico Day.
27—Wisconsin Day.
30—National Commissioners'
Day.
31—Elks' Day.
- Aug.** 1—Mystic Shriners' Day.
6—Cornell-Ithaca Day.
7—Maccabee Day.
8—Vermont Day.
10—Missouri Day.
12—Cuba Day.
14—Virginia Day. Insurance
Day.
15—Red Men's Day.
20—Michigan Day.
21—Louisiana Day.
22—Electrical Day.
23—Virginia Day.
26—Municipal Day.
- Sept.** 2—Labor Day.
3—District of Columbia Day.
4—International Press Union
of Women.
6—National Association of
Stationary Engineers' Day.
9—Spanish-American War
Veterans' Day.
10—Rhode Island Day.
11—Architects' and Builders'
Day.
12—Polish Day.
14—Vassar College Day.
16—Mexican Day.
17—Grand Army of the Republic
Day.
18—New York State Day.
19—Welsh Day.
20—St. Catharines Day.
21—Nurses' Associated
Alumnae Day.
25—Oregon Day.
26—Cleveland Day.
30—Stewards' Day.
- Oct.** 8—Brooklyn Day.
9—New York Federation of
Women's Clubs.
10—National Grange Day.
11—Atlantic City Day.
12—International Sunshine
Day.

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Conventions to be Held in Buffalo.

The following conventions will be held in Buffalo during the present year:

- May** 9 —New York State Medical Association (Fourth District).
15 —National Tile, Grate and Mantle Association.
22 —Daughters of Veterans, New York State Department.
23-24—National Civic Federation.
23-25—Alpha Delta Phi.
....—Reunion Smith Family of Ohio, Vermont and Connecticut.
- June** 1 —Gamma Sigma Fraternity.
4- 6—American Foundrymen's Association.
4- 6—United States Brewers' Association.
4- 8—State Pharmaceutical Association.
4- 8—Minnesota State Editorial Association.
8-11—Western Dancing Teachers' Association.
10 —National Association of Circulating Managers.
10 —American Institute of Electrical Engineers.
10 —Associated Ohio Dailies.
10-13—National Educational Association.
10-13—State Editorial Association.
10-13—Oregon Press Association.
10-20—Ancient Order United Workmen, Supreme Lodge.
12 —County Superintendents of the Poor, State Convention.
15 —National Prize Turnfest of the North American Turnerbund.
15 —National Association of Turn Teachers.
18-20—Junior Order United American Mechanics.
20 —New York State Bankers' Association.
24-25—American Canoe Association.
24-29—North American Saengerbund.
24-29—National Association of Elocutionists.
27-29—Manual Training Teachers' Association.
28-29—Kappa Alpha Fraternity.
....—Women's Literary and Educational Organizations of Western New York.
....—Special Exhibit of the New York State Horticultural Societies.
....—Tile Layers' Union of America.
....—National Stove Lining Association.
....—West Virginia Editorial Association.

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- June**—Special Meeting of the Commercial Teachers' Federation.
- July** 1- 3—State Teachers' Association.
2 —Metropolitan Association of the Amateur Athletic Union.
2- 3—Theta Delta Chi.
4- 6—German Catholic Union.
4- 6—Eastern Puzzlers' League.
8-13—National Association of Colored Women.
9-13—Commercial Travelers' Conclave Week.
9-13—Retail Clerks' National Protective Association.
9 —Sons of St. George, Grand Lodge.
12-20—Congress of Indian Educators.
15 —State League of Co-operative Savings and Loan Associations.
17-31—Pan-American Bible Study Congress.
18-21—International Convention Anti-Cigarette League.
20 —National Association of Photo-Engravers.
23-25—Grand Chapter Signa Chi Fraternity.
25 —International Jewelry Workers' Association.
25-28—Young People's Alliance, General Convention.
25-30—Great Lakes' Yachting Association.
. . . .—Associated Bill Posters of the United States and Canada.
. . . .—Electrical Contractors' Association, State.
- Aug.** 1- 6—United Supreme Council of the Ancient Arabic Order Scottish Rite Masons (colored).
2 —Improved Grand Council Ancient Arabic Order Nobles of the Mystic Shrine.
3 —National Grand Court of the Daughters of Sphinx (colored).
5 —General Grand Council R. & S. M. of the United States and Canada.
5- 10—Society of American Florists and Ornamental Horticulturists.
5-17—National Cycling Association, Annual Racing Meet.
6 —National Federation of Labor (colored).
12-14—National League of Improvement Associations.
12-15—Great Council, Improved Order of Red Men.
12-17—League of American Wheelmen.
15-20—National Shorthand Reporters' Association.
19-20—Philatelic Sons of America.
19-25—United Association of Journeymen Plumbers, Gas and Steamfitters of the United States and Canada.

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- Aug.** 20 —Spanish-American War Veterans, State.
20-24—State Firemen's Association.
22 —Reunion Survivors Engineers' Brigade, Army of the Potomac.
22-24—State Shorthand Reporters' Association.
24 —International Acetylene Gas Association.
26-28—American Philatelic Association.
...—National Firemen's Association.
...—National Dahlia Association.
...—National Haymakers' Association.
...—National Prohibitionists' Conference.
...—American Institute of Farmers' Institute Workers.
- Sept.** 1 —American Promological Society.
2-5—International Brotherhood of Blacksmiths.
4 —Delivery Proprietors' National Association.
9-12—Hoo-Hoo National Concatenation.
10-14—Master Car and Locomotive Painters' Association.
16 —Shirt, Shirtwaist and Laundry Workers' International Association.
17-19—American Boiler Manufacturers' Association.
17-19—New York State Assembly American Fraternal Insurance Union.
17-20—American Public Health Association.
20 —State Side-Path Commissioners.
23 —Stereotypers' National Association.
24-26—American Electro-Therapeutic Association.
24-26—Patriotic Order Sons of America, National Camp.
25 —Spanish-American War Veterans, National Camp.
...—United Typothetae of America.
...—International Council of Nurses.
...—Master Composition Roofers of the United States.
...—Empire Knights of Relief.
...—Roentgen Ray Society of the United States.
- Oct.** 1-3—International Cremation Congress.
8-10—State Federation of Women's Clubs.
8-11—National Association of Retail Druggists.
14 —Knights of the Golden Eagle, Supreme Castle.
14 —National Hardware Association.
15 —New England Cotton Manufacturers' Association.
15-17—American Humane Association.
18-23—National Universalist Conference (biennial).

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- Sept. 21 —National Household Economic Association.
21-26—State Synod of the Presbyterian Church.
...—Regular and Volunteer Army and Navy Association.
...—Beekeepers' Association of the United States.
...—Special Meeting of the State Dairymen's Association.
...—National Association of Dairy and Food Commissioners.
...—National Good Roads' Convention.
...—National Irrigation Congress.
...—American Leicester Breeders' Association.
...—American Oxford Down Association.
...—American Institute of Architects.
...—Railway Signaling Club.
...—Retail Furniture Association of the United States.
...—New York State Sabbath Association.
- Nov. 12 —International Wood, Metal and Wire Lathers' Union.

INDIAN MOUNDS.

The mounds of the models of Mound Builder earthworks in the S. E. portion of the Pan-American Grounds are an unusual feature so far as Expositions are concerned. The large ringed mound is an example of several similar earthworks found in different parts of the Mound Builder territory. In Greenup Co., Ky., there is a ringed mound, the ring being 5 ft. high and 30 ft. across at the base. Within this ring is a ditch 25 ft. wide and 6 ft. deep. The ditch encloses a circular area 90 ft. in diameter in the center of which is a mound 40 ft. in diameter and 8 ft. high. There is a narrow gateway at one place in the ring.

The Marietta Mound, the most celebrated of the ringed mounds, is at Marietta, Ohio. The ring is an ellipse, 213 to 215 feet in diameter and 30 feet high. The chamber here represented was reproduced from the Report of Explorations by Prof. Wm. C. Mills of the Ohio State University. The mound explored by Prof. Mills was only 11 ft. high and on adding to the height of the present mound it was found that the chamber would not support the weight of earth and it was necessary to place extra supports. The walls of the chamber have been covered with puddled clay and bark representing two methods probably in use by the Mound Builders.

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The Serpent Mound is reproduced from the original near Brush Creek, Adams Co., Ohio. The serpent is supposed to be swallowing an egg. In the original the body of the serpent is 700 ft. long or nearly 1000 ft. following the curves. The original is 5 ft. in height and 30 ft. wide at the base at the middle of the body. The small oval mound is 4 ft. in height and formerly contained a stone altar in the center. The original mound is located on a hill and has been arranged about the oval mound so as to conform to its outline and to leave a small platform 10 ft. wide. The significance of the small triangular mounds upon either side of the serpent's head is not known.

The Eagle Mound represents a common type of mound builder earthworks. The original mound, of which this is a reproduction, measures 30 feet from tip to tip of the wings.

ALASKA BUILDING.

In the space allotted to state and foreign buildings, and south of the Forestry building, is the unique structure erected by the Territory of Alaska. It is a building 75x50 ft. and constructed entirely of rough logs. Besides the exhibits in the Exposition buildings, a large number of extremely interesting exhibits may be found here.

SIDE TRIPS FROM BUFFALO.

Buffalo is fortunate in her immediate surroundings and when the visitor to the Exposition shall have satisfied himself with sightseeing within the grounds, he will find much to delight him in and near the city or within a few hours' ride in any direction. The entire region about Buffalo is rich in its variety of natural scenery, and some of the most famous resorts in the world are near at hand. Popular summer places close by the city, to be reached by steamers upon Lake Erie and the Niagara River, are: Woodlawn Beach, on the American shore, south of the city; Crystal Beach, on the Canadian shore, an hour's ride from Buffalo; and Grand Island, with its many groves and summer hotels, on Niagara River, just below the city.

CHAUTAUQUA.

Scarcely less famous than the Falls of Niagara, is the Summer School at Chautauqua. This great educational center was many years ago founded by Bishop John H. Vincent of the Methodist Church, upon Chautauqua Lake, among the picturesque hills of Chautauqua county,

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800 feet above Lake Erie. The Assembly grounds have come to be the permanent abode of a considerable number of people and during six weeks of the summer season many of the most eminent men and women in educational and reform work of all kinds are to be heard in the great amphitheater. Students by thousands from all parts of the country, as well as from foreign lands, gather here to enjoy the bountiful feasts of learning amid scenery of rare beauty and attractiveness. From Buffalo one may reach Mayville at the head of the lake by the Western New York & Pennsylvania Railroad, or Jamestown at the foot, and Lakewood between these points, via the Erie Railroad. The Chautauqua Steamboat Company operates eight steamers on the lake and the round trip is a most delightful sail of about 40 miles. The train and boat service is such that one may leave Buffalo in the morning returning in the evening, and spend half the day on the lake. Near the foot of the lake is Celeron, the Coney Island for that part of the State, where a vast plant has been established for the amusement and entertainment of the public. There are numerous summer resorts along the shores, with fine hotels, and attendant fleets of small steamers and other craft—Point Chautauqua, Greenhurst, Lakewood, Bemus Point and others.

THE THOUSAND ISLANDS.

The Thousand Islands attract numberless visitors every season. These rocky isles are surrounded by deep-water channels and are crowned with a thick growth of cedars and other trees. The fresh, exhilarating atmosphere is ever inviting to the cottager and the camper, and summer homes, from the board shack or tent to the palatial villa, are to be seen upon these island shores. An excursion among these islands is full of interest, even to the hurried traveler. The region is well supplied with good hotels, and the railroad and steamboat accommodations are such as to meet all demands. One may have a choice of several routes from Buffalo. He may go by the New York Central to Charlotte and thence by a steamer of the Lake Ontario & Bay of Quinte Steamboat Company, or the Lake Ontario & St. Lawrence River Day Line, through Lake Ontario, or he may take a morning or evening train on the New York Central to Clayton, where boat connections are made. Another popular route is by way of Toronto, on the Niagara Navigation Company's steamers to Toronto, and thence by the Richelieu & Ontario Navigation Company's line via the Bay of Quinte.

MUSKOKA LAKES.

The Muskoka Lake region of Canada has become popular with Americans in recent years. Muskoka wharf is only eight hours' ride by rail from Buffalo by way of Hamilton and Toronto. The Toronto, Hamilton & Buffalo, Canadian Pacific and Grand Trunk all go to Toronto, and the Grand Trunk to Muskoka Wharf. Another pleasant route is by the New York Central to Lewiston, or Michigan Central to Niagara-on-the-Lake and by steamer to Toronto, and thence by rail to Muskoka. The three lakes, Muskoka, Rosseau and Joseph, have a shore line of 1,000 miles, and the climate is not only healthful but most exhilarating and delightful throughout the torrid season. The region is wild and romantic, and the thousands of campers who frequent the shores and islands of these lakes during the hot months have hearty welcome for all who come to join them. The hotels are run on a family plan, and whoever loves boating and fishing will find abundant recreation here.

TRIPS WEST BY WATER.

The trip from Buffalo to Duluth and other lake points may be made upon the swift passenger steamers that rival in their beauty and equipment the finest steamships in the world. No journey is more refreshing than a ride through Lakes Erie, Huron and Superior in mid-summer upon boats of the Northern Steamship Company, Anchor or Lackawanna Lines, or through the wild and majestic scenery of Georgian Bay, from Collingwood, Parry Sound and other points. The Canadian Pacific Railway offers an attractive trip by rail from Buffalo by way of Toronto to Owen Sound, thence by boat through Georgian Bay and the Manitou Islands, the Sault Ste. Marie Canal and Lake Superior to Fort William, where connections are made with the main line. In the vicinity of Detroit are Put-in-Bay, Mt. Clemens, Grosse Isle and Belle Isle Park, with numerous summer homes and public resorts along the St. Clair River. For a short trip one may take the ride from Buffalo to Cleveland in one of the several floating palaces of the Cleveland & Buffalo Transit Company, or to Erie, Pa., by the Erie & Buffalo Line. By steamer the City of Erie is four hours away; Cleveland, nine hours; Detroit, eighteen hours; Put-in-Bay, eighteen hours; Mackinaw, thirty-five hours; Sault Ste. Marie, forty-two hours; Duluth, fifty-nine hours.

BRIEF HISTORY OF THE CITY OF BUFFALO.

In 1792, the first permanent settlement was made at the mouth of Buffalo Creek and for a while did not grow very rapidly. In 1805, The Holland Land Company, which owned a considerable portion of the site, sent Joseph Ellicott to survey its property and lay it out in lots and streets. The hamlet was called New Amsterdam, but the name of Buffalo, which it took from the creek, was preferred by the people and was soon adopted by the Company. Joseph Ellicott was the real founder of the City and it was due to his foresight and energy that the little settlement in the wilderness grew and prospered.

Buffalo and its vicinity was the scene of several hard fought battles in the War of 1812. The village was burned by the British and Indians in 1813 and the inhabitants had to flee in all directions to save their lives. As soon as the war was over, the village began to build up again and was soon in a flourishing condition.

The completion of the Erie Canal, in 1825, gave an added stimulus to its growth, so that in 1832 Buffalo was incorporated as a City with a population of over 10,000. After the completion of the canal, Buffalo grew steadily and rapidly.

The lake passenger business became a great feature and many fine vessels were engaged in the business. With the advent of the first railroad, this business began to decline and as their construction became general almost passed away.

When the War of the Rebellion broke out, Buffalo's citizens nobly performed their duty to the Republic and its regiments won an enviable record. While the war lasted, the great amount of produce, moved at a high cost of transportation, sustained commercial activity. After the War, came the hard times of the seventies, but Buffalo's splendid situation as a gateway to the West soon brought a new and lasting era of prosperity, which the population of 400,000 at the present writing attests.

THE ELECTRIC POWER.

A large portion of the electricity that will be used at the Exposition will come from Niagara Falls. This transmission of power means a great deal for the future of Buffalo, as its use is practically unlimited. At first it was thought that power could not be transmitted such a distance and many famous electricians believed that the power would never be available for commercial purposes. The street railway lines are partly operated by electricity generated at Niagara Falls. This power will, of course, be cheaper than coal or else its promoters could not expect to compete with coal as a source of generating power. As

it will necessarily dispense with the greater part of the labor now necessary in handling the product of the mines, Buffalo manufacturers will be enabled to undersell their competitors and thus help to bring more business to Buffalo.

PARKS.

Buffalo's splendid system of parks with its connecting boulevards and parkways nearly encircles the city. On a high bluff, near the confluence of Lake Erie and Niagara River, is the Front, a park of forty-five acres. Connected with this by a series of tree-lined avenues and spacious parkways is Delaware Park, the largest park in the city, containing about 365 acres. Part of this park, with the Park Lake, is contained in the Exposition grounds, the rest is taken up by the broad meadow and surrounding woods and drives. Turning east along Humboldt Parkway, we reach Humboldt Park, with its wading pond, the delight of the children, and a handsome lily pond. In the south part of the city are three parks, one at Stony Point of 62 acres, Cazenovia Park of 82 acres, and South Park of 150 acres. In South Park are the Botanical Gardens. Scattered over the city are numerous small parks and squares that afford breathing spaces for the public. Buffalo's streets are so lined with trees that nearly all of them seem like parkways.

STATE HOSPITAL FOR THE INSANE.

On Elmwood avenue, near the Exposition grounds, is the largest public institution in Buffalo. This is the State Hospital for the Insane, in which there are about eleven hundred patients who receive the best of scientific and humane treatment. It is finely situated and the surrounding grounds are as beautiful as the gardener's art can make them. The administration building is three stories high and flanked with two lofty towers. On each side are five ward buildings and on the grounds are numerous other buildings such as a conservatory, infirmary, etc. The buildings are in the shape of a bow facing Forest avenue and connected by corridors.

FOREST LAWN CEMETERY.

On the opposite side of Delaware Park, from the Exposition, is Forest Lawn Cemetery, one of the most beautiful places in Buffalo. It consists of two hundred and sixty acres, enclosed by Main Street, Delavan Avenue, Delaware Avenue, and Delaware Park. The land is rolling and well wooded. Numerous lakelets are scattered over the grounds and are joined by quietly flowing streams. The winding drives and shaded walks lead past the graves and monuments of many noted people. The most striking of these is the great bronze statue of the famous Indian

orator, Red Jacket, that ornaments the plot of ground where the remains of that famous Indian are buried, with other noted chiefs of the Seneca tribe.

WORKING BOYS' HOME.

The Working Boys' Home is the result of the efforts of the Right Rev. Bishop Ryan to provide a home for the boys who are alone in the city. The old Hammond mansion was bought in 1888. Work began at once on the remodelling and furnishing and in February, 1889, it was ready for occupancy. The Ladies' Aid Society was formed by the Bishop to help carry out the plans of the institution and to them a great deal of the credit for the Home is due. It is a pleasant Home where every effort is made to build up noble characters and keep the boys from evil associations.

EDUCATION.

The schools of Buffalo number about 60 and can compare in regard to efficient work and in all other circumstances with any school system in the United States.

They are under the charge of a Superintendent of Education, elected by the people, in whom is vested a great deal of power. There is also a Board of Examiners, from whose lists the superintendent makes appointments of teachers. The remarkable growth of the City has kept the number of schools increasing constantly and as a result most of the buildings are of modern construction. The Central High School on Court and Franklin streets and the Masten Park High School are large, handsome buildings, whose capacity together is about 2,000. Besides these are several annexes and a new West Side High School will soon be built.

The University of Buffalo was founded in 1845 and is now in a flourishing condition. It conducts departments in dentistry, law, medicine, pharmacy, and pedagogy. The College building on High Street is conveniently near the General Hospital.

One of the State Normal Schools and also many private, parochial, and denominational schools are located in Buffalo. Some of these schools have more than a local reputation.

74TH REGIMENT ARMORY.

The 74th Regiment Armory is an imposing building of brown stone; built after the style of a feudal castle. The big drill hall is about 310 feet long and 240 feet wide. On the Connecticut Street end of the Armory is the Administration building, about 250 by 350 feet, three stories high. The first floor is occupied by the company rooms, lockers, store rooms, and a great hall, designed as a "Hall of Trophies." On the

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second floor, the field and staff officers of the regiment have handsome quarters and there is also a commodious billiard room. The third story is occupied by the quarters of the band and field music, the surgeons and the hospital corps, gymnasium and baths. In the basement there is a rifle range, heating, lighting and ventilating plants, and shower baths. The cost of the entire building aggregated \$400,000.

POSTOFFICE.

This magnificent building occupies an entire block bounded by Ellicott, Swan, South Division and Oak streets, and is five stories high. The main front on Ellicott Street is 220 feet in length. In the center of this main front a tower rises to the height of 250 feet. The style of architecture is pure Gothic. The outer walls are faced with pink Maine granite and the interior walls with glazed brick and terra cotta. Spanish green tile covers the roof and forms a pleasing contrast to the granite walls.

Glazed brick and marble are used extensively in the inside decorations. The principal offices and court rooms are finished in Mexican mahogany and all other rooms in quartered polished oak.

The Postoffice is occupied by the Postal Department and the various United States Courts and Federal Officers, and was erected at a cost of \$1,500,000.

ELLICOTT SQUARE.

The Ellicott Square, the largest office building in the world, covers an entire block. It is ten stories high and contains about twelve hundred rooms. The total cost of this great building was about \$3,350,000. The foundation for the steel frame, which weighs 5,550 tons, consists of steel and concrete, extending nineteen feet below grade; the exterior construction is of pressed brick and pearl-gray terra cotta; the interior decorations consisting of Italian marble, marble mosaic and ornamental iron. The finish is of quarter-sawed red oak. The number of people that work under its roof would form a small city by themselves. In regard to the construction of this great building, it may be interesting to know that to build it took just one year.

CITY AND COUNTY HALL.

On Franklin Square stands the City and County Hall, an imposing and graceful structure. It was begun in 1872, finished in 1876, and cost about \$1,500,000. The style of the architecture is Norman, the building is of granite, with iron girders, marble pavement and wainscoting, and finished in a highly polished black walnut. The building is three stories in height and contains nearly all the City and County offices and Courts.

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The present City Hall is a model public edifice, and this is acknowledged by all who visit Buffalo. It is a model not only in point of its unusual solidity and beauty and small original cost, but in the perfection of its maintenance.

HACK ORDINANCES.

Persons to whom licenses shall have been granted for vehicles to be used in the conveyance of persons or passengers or the drivers of such vehicles may charge the following prices and no more:

1. For conveying one passenger any distance not exceeding one mile, 50 cents; and for each additional passenger, 25 cents.

2. For conveying every passenger any distance over one mile and not exceeding two miles, 50 cents; and for each additional passenger half the regular rate.

3. For conveying every passenger over two miles, \$1.00; and 50 cents for every additional mile, and for each additional passenger half the regular rate.

4. For the use of any such vehicle for the day for one or more passengers, \$8.00.

5. For the use of any such vehicle by the hour, for one or more passengers, with the privilege of going from place to place, and stopping as often as may be required, \$1.50 for the first hour, and \$1.00 for each additional hour.

6. Distances shall be measured by the most direct traveled route, and in all cases where the hiring of such vehicle is not at the time specified to be by the day or hour, it shall be deemed to be by the mile.

7. Each passenger shall be allowed to have carried and conveyed upon such vehicle, one trunk, valise, saddle bag, carpet bag, portmanteau, box, bundle, basket or other article used in traveling, without charge, but for every article above enumerated more than one, carried or conveyed upon such vehicle, the driver shall be entitled to demand and receive the sum of five cents for conveying within the distance of one mile, and for more than one mile the sum of ten cents.

HOTELS AND APARTMENTS.

Buffalo's facilities for caring for the visitors in this respect will be found ample for the accommodation of the many people who will attend the Exposition. The combined hotel capacity is over 125,000 and the large number of boarding houses, private rooming houses, lodging houses and restaurants offer accommodations for as many more. Rates will range from 50 cents a day to \$10 per day, according to location, though the favorite rates will be from \$1 to \$2 per day for rooms, and meals can be procured at the regular uniform rates.

Places of Amusement.

ACADEMY OF MUSIC—Main Street, near Seneca. Reached by Main, Elmwood, Baynes & Hoyt, Niagara, Sycamore, Genesee, Elk and Seneca St. car lines.

COURT STREET THEATER—Court, near Franklin Street. Reached by same as above, excepting Seneca and Elk St. lines from which transfers can, however, be had.

LYCEUM THEATER—Washington, near Broadway. Reached by Broadway, Genesee, Sycamore, Main, Elmwood, Baynes & Hoyt and Utica St. lines.

LAFAYETTE THEATER—Lafayette Square, near Main St. Reached by same lines as above.

SHEA'S GARDEN THEATER—Pearl, near Niagara St. Same lines as above including Niagara St. line.

TECK THEATER—Main, corner Edward. Main, Elmwood, Baynes & Hoyt, Albany & School, Utica and Main and East Ferry St. cars pass the door.

STAR THEATER—Mohawk, corner Pearl; reached by Main, Elmwood, Baynes & Hoyt, West Ave. & Grant, Albany & School car lines.

DR. LINN'S MUSEUM—Main Street, corner North Division. Reached by Main, Elmwood, Baynes & Hoyt, Niagara, Sycamore and Genesee car lines.

Niagara Falls.

The far-famed falls of Niagara are only half an hour's ride from the Exposition grounds, and one may spend a week in the midst of this magnificent scenery and find new pleasures each day. It is quite impossible to describe the grandeur of these majestic cataracts, whose ceaseless roar has been heard through countless ages, and which have for centuries excited the awe and wonderment of savage and civilized men. The Niagara River receives the waters of Lakes Superior, Michigan, Huron and Erie and discharges them into Lake Ontario. At Niagara Falls there is a sheer descent of 160 feet. The width of the Falls, including Goat Island, which divides the American from the Horseshoe Falls, is nearly four-fifths of a mile. Millions of tons of water plunge unceasingly over these dizzy heights, and surge and seethe in the gorge below. The gorge itself, with the Whirlpool Rapids and the mighty Whirlpool below them, is scarcely less fascinating and interesting. There is every convenience here for the comfort and convenience of the sight-seer, and all points of interest are of easy access. The State of New York a few years ago bought the land immediately bordering on the Niagara River at the Falls, together with Goat Island, consisting of 75 acres, lying between the two great cataracts, and made the whole a public park. On the Canadian side the Ontario Government has also acquired several miles of land bordering the river and gorge, which is free to the public and is known as Queen Victoria Park. From Prospect Park the visitor has his first view of the wonderful scenery. Here he may almost dip his hand into the stream that instantly leaps far out into the deep gorge. Public vans, at a nominal price, will convey him across the long bridge over the American Rapids above the Falls to Goat Island, and around this wild and beautiful garden.

The Falls may be viewed from the gorge below by descending the incline railway from Prospect Park. Here the steamer "Maid of the Mist" will carry him well up towards the face of both the American and the Horseshoe Falls. The view is one of impressive and abiding grandeur. The Niagara Gorge is spanned just below the Falls by a steel arch bridge, so that one may take an electric car at the American side and spend a full afternoon with profit and pleasure viewing the scenery from Canadian points. A new suspension bridge between Lewiston may be crossed by the traveler, where he may take the Gorge Road and return to Niagara Falls on the American side, close to the river's edge nearly the entire distance. This is a ride of most fascinating interest and one learns to realize more fully the irresistible power of the

great river current. Observation cars upon the New York Central branch also run between Lewiston and Niagara Falls, and an electric line runs from Lewiston to Youngstown on Lake Ontario at the mouth of Niagara River. Lewiston is also the American port for a line of steamers to Toronto and to Niagara-on-the-Lake. The latter is a famous resort for Buffalonians and Canadians, lying opposite Youngstown at the mouth of the Niagara, and is reached by rail from Buffalo by the Michigan Central Railway.

POINTS OF INTEREST.

PROSPECT PARK—This beautiful forest-grove of ten acres is more frequented by visitors than any other place about the great cataract. The Park is a part of the New York State Reservation, and contains Prospect Point, Hennepin View and other fine spots for sightseeing. The park proper has a frontage of 1,000 feet along the river chasm, and of 500 feet above the American Fall.

Prospect Park is headquarters and lunching-place for nearly all picnics and excursions to Niagara Falls. Lunching is permitted in the upper half of the Park only, in the vicinity of the frame buildings.

Street cars convey passengers to the Falls street entrance of the Park, this point being the upper terminus of the Niagara Falls and Suspension Bridge street car line. This line passes the several railroad stations.

The State Reservation carriages carry people from here to Goat Island and return.

The stone building near the Falls end of the Park is the entrance to the Inclined Stair and Railway to the foot of the Fall, and contains the office of the Superintendent of the State Reservation.

GOAT ISLAND—From its location in the Upper Rapids, causing the river to divide and form two great cataracts, this island of 61 acres is an unequalled point of interest to Niagara visitors.

The surface of the land at the cliff is 205 feet above the water in the gorge below the Falls—higher than any other sight-seeing point so near to the chief object of interest. The loveliness of the sixteen small isles near Goat Island and the fact that the entire group, including it, have been left with the virgin forests almost untouched by the axe, render this spot very attractive.

The trip around Goat Island may be made in any of the public vans at a cost of 15 cents, with as many stop-overs as you may wish. The first stop is at Luna Island, where we go down several flights of steps, cross a substantial stone arch bridge and view the American Falls from a point between the Bridal Veil Falls and the American.

A few rods from the head of the stairs, we come to the stairway leading to the Cave of the Winds. It is necessary to wear oil-skin clothing and to proceed with care. The use of the suit and the services of the guide cost one dollar. You go by the railed pathway before the Bridal Veil and then behind the American Falls, where time and the waters have made a cave, about 100 by 160 feet, well named on account of the tremendous suction caused by the great volume of falling water. This trip may be made with safety, though the deafening roar of the mighty torrent must ever accompany it.

The next convenient stopping place is at the head of the stairway leading to Terrapin Rock, at the Horseshoe Falls. Here again we come close to the edge of the great fall which we had first visited on the Canadian side. The view, whether into the seething waters below, across the face of the fall, or up stream against the broad waters tumbling onward toward the cliff from which they soon must leap, is impressive and fascinating.

UPPER RAPIDS AND THE TWELVE ISLANDS—The locality of the Rapids and the twelve picturesque little islands to the north of Goat Island has always been a favorite one with visitors. At this point the river, whose current runs at the rate of seven miles an hour above Goat Island, speeds over rocky shelves at the rate of 30 miles an hour, as if hastening to make the final plunge. Here are a multitude of rolling cascades and eddies, affording a rare scene of waters in motion. As the general depth of the water is shallow compared with the greater volume of the river beyond Goat Island, the influence of continued east winds in lowering the water, and of continued west winds in deepening it, is more apparent here than at some other points.

THREE SISTER ISLANDS—With these gems of Niagara—lovely sisters they are—you can spend several hours most delightfully. Then you will wish to renew the visit some time. On the hottest days of summer the atmosphere here is remarkably cool and refreshing, and the shade complete. From between scraggy cedars and other growths and from the bridges the eye may gaze on some of Niagara's most enchanting scenery.

The Islands should be visited when the sun shines brightly, for then the extraordinary contrasts of the light on the foam-crests and mists with the deep-green water, verdure and frowning rocks is the most striking.

After a continuous period of east winds the views here are somewhat less favorable than at other times. As mentioned elsewhere, a prolonged east wind has the effect of depressing the waters of the Niag-

ara and the lower end of Lake Erie as much as one foot, or sometimes several feet, over the entire surface. On rare occasions, as a result of this, there is no water between the first island of the three and Goat Island.

STEAMER MAID OF THE MIST—A trip by passenger steamer through the gorge directly in front of all the Falls is one of the safest yet most thrilling experiences that the tourist can enjoy while at Niagara. By a tortuous course the boat makes its way through eddies along the foot of the cataract and in front of Goat Island, touching at several free landings on the two sides of the river for the accommodation of passengers. From the cabin and deck the visitor may behold the several Falls to the best possible advantage from below.

The waterproof clothing is furnished without extra charge to passengers. The fare for the round trip is 50 cents.

THE GORGE ELECTRIC RAILROAD—Skirting as the road does the very water's edge of the canon below the Falls, the visitor is introduced at close range to scenery of the most magnificent character. Here we are brought in close contact to the Niagara's waters, as they in places shoot with tremendous rapidity towards Lake Ontario, impelled first by the momentum gained in the great fall, second by the rapid descent in the river's course below the cataract.

Cars for this trip are taken at Prospect Park, where they leave at intervals of a few minutes in the summer, and less often in the winter. The length of the road is seven miles, time of round trip without stops one hour and thirty-five minutes, fare 35 cents one way, 60 cents both ways, with stop-off privileges.

The main attractions of the route, some of which will be found treated in detail elsewhere, are as follows: About one mile below the Falls the road descends by easy grade to the water's edge, which is reached almost underneath the railroad bridges. Half way down this grade the tourist gains one of the finest views to be had of the Falls, as here they are beheld a mile away, set as it were between the rising cliffs on either side of the gorge. It is a magnificent spectacle and one that only was made available with the completion of the present road.

Moving along down to the water's edge, first we pass under the railroad bridges, then meet the marvelous whirlpool rapids, of which a near view is had for their entire length. Here a stop is made and an ascent can be effected by elevator to the banks above.

Returning to the car, or rather a succeeding one, the tickets being good on any of the cars, the Great Whirlpool, with its perpetual vortex is soon passed, and then in succession the lowest rapids, the Giant Rock,

the Narrows, the Devil's Hole, gully and cavern, the ruins of the first Suspension Bridge over Niagara Gorge, Queenston Heights, Brock's Monument, ending up at the beautifully expanding lower river and the historic village of Lewiston.

THE WHIRLPOOL RAPIDS—At this point, exactly two miles below the American Fall, may be witnessed one of the most wonderful sights in the world. It is the Niagara—the mighty river combining the waters of the five great American lakes, and sufficient in places elsewhere to form a stream two miles wide and twenty feet deep—here forced through a rocky defile, in places less than one-seventeenth of a mile wide, the enormous volume of water being hurled forward at 40 miles an hour. The furious momentum of the Lower Rapids is created by the great cataract and by the river's descent of 98 feet in seven miles below the Falls to Lewiston. The remarkable constriction of the vast river, together with the large rocks beneath the surface, throws its deep waters into the most extraordinary turmoil, and causes them in places to rise no less than 20 feet above the ordinary level in tremendous foam-crowned masses, far too much agitated to be called waves.

Excellent means for viewing this unexampled scene are afforded by safe platforms erected at the river's edge on both sides, and reached by power conveyances. The price for descent and return on either side of the river by the elevators is 50 cents. A fair general view of these rapids may be had from the Lower Suspension Bridge and from the edge of the cliffs on the Canada side.

THE WHIRLPOOL—Situated one mile below the railroad suspension bridge and immediately beyond the Whirlpool Rapids, is the famous Niagara Whirlpool, a wonderfully formed oblong recess at the point of a sharp right-angle in the river. The pool, which is about one-third of a mile long and one-fourth of a mile wide, is shut in on all sides, save the two openings of the river, by rocky walls 250 feet high. Visitors can reach the water's edge on both sides of the river. On the Canadian side, an inclined railroad admits of this with ease; the charge for a round trip for each person is 50 cents.

From the water's edge observe that the river, yet quite rapid at the entrance of the basin, pours into it in a waded stream somewhat higher in the center. Then it eddies to both sides and seems to be sucked under and spurted out again. It then spreads out on both sides and courses round and round, finding its egress down stream eventually, as here it is not intercepted by the powerful incoming current. Notice logs, trees and other floating substances that have been drawn into the

vortex, many of which circle round and round for days and weeks before being drawn down.

RAILROAD BRIDGES—The Lower Suspension and Cantilever railroad bridges, two miles below the Falls, are objects of considerable interest. The river at this point is about 400 feet wide, and the bridges are over 230 feet above the wild and deep rapids below. The first-named bridge has, besides the railroad-bed, a separate floor for vehicles and pedestrians. The other is not open to the public. A charge of 10 cents is made for entering or crossing the Lower Suspension Bridge.

The first suspension bridge was thrown across the chasm here in 1840. It consisted merely of a $\frac{3}{4}$ -inch wire cable on which was suspended a basket large enough to hold two persons. It was worked by a windlass on each bank. The first cord was passed over the river by the aid of a kite.

CARRIAGE HIRE.

In hiring a carriage, take the number and arrange for the price, time and places to be visited before starting. In case no rate is agreed upon, the law of the corporation of Niagara Falls provides the following:

From one place to another in the village of Niagara Falls, 50 cents for one person and ordinary baggage (one trunk and one bag, hat or handbox or other small parcel); 25 cents for each additional person and baggage.

From Niagara Falls to Suspension Bridge, one person and ordinary baggage, \$1; each additional person, 50 cents.

Children under three, free; from three to fourteen, half price.

Carriages for points beyond and within five miles of the village line, whether one or more passengers are carried, \$2 for the first hour; \$1.50 for each additional hour.

For a carriage drawn by one horse, \$1.50 for first hour; \$1 for each additional hour occupied.

Buffalo Hotels.

Below is given a list of hotels with their location, capacity and rates per day. Those marked Family Parties are suitable for ladies. The entire list has been inspected and approved by the Pan-American Exposition Company:

AMERICAN PLAN—FAMILY PARTIES.

Name.	Location.	Capacity.	Rate.
Johnson	284 Delaware av.....	300	\$2.50 per day.
Castle Inn	Niagara sq & Delaware av.	250	\$3.00 and up.
Wm. E. Garbe.....	2865 Main st.....	35	\$2.50 per day.
Vendome	37-39 Court st.....	175	\$2.50 and up.
The Cheltenham.....	234 Franklin st.....	180	\$3.00 per day.
Moeller House.....	Scott & Main sts.....	175	\$1.50—\$2.50.
Mansion House.....	Exchange & Main sts....	450	\$2.00 and up.
Stafford House.....	Washington & Carroll sts.	350	\$2.00 "
National	Exchange & Ellicott sts...	100	\$2.00 "
John McConnell	93 Massachusetts st....	30	\$2.00 per day.
Southern	Seneca & Michigan sts....	100	\$2.00 "
Continental	Exchange & Michigan sts..	600	\$2.00 and up.
Trubee & Annex.....	414 Delaware av.....	150	\$2.00 per day.
Leydon	138 Exchange st.....	50	\$2.00 and up.
Tremont House.....	Washington & Seneca sts..	150	\$2.00 "
Normandie	660 Main st.....	95	\$2.00 per day.
Vosseller	11 Bull st.....	60	\$2.00 "
Polish	163 Parish st.....	80	\$2.00 "
Statler's	Elmwood & Forest aves....	5000	\$2.00 and up.
Broezel	Seneca & Wells sts.....	450	\$4.00 "
Temperance	220-222 Ellicott st.....	60	\$2.00 per day.
Fillmore House.....	Michigan & Carroll sts...	180	\$2.00 "

(Statler's price includes breakfast and six o'clock dinner.)

EUROPEAN PLAN—FAMILY PARTIES.

Name.	Location.	Capacity.	Rate.
Iroquois	Main & Eagle sts.....	1000	\$3.00 and up.
Lenox	North, near Delaware av..	600	\$3.00 "
New Tift House.....	465 Main st.....	550	\$2.50 "
Buckingham	Allen & Mariner sts.....	120	\$2-\$3 double.
Marlborough	Allen & Mariner sts.....	80	\$2-\$3 "
Lincoln	14th & Rhode Island sts..	220	\$2-\$3 "
Roanoke	156 West Chippewa st....	100	\$2.00 per day.
Winona	344 West av.....	200	\$2.00 "
Albemarle	Jersey & West av.....	200	\$2.00 "
Ashland Colonial.....	109 Ashland av.....	100	\$2.00 "
Aberdeen	Jersey & West av.....	200	\$2.00 "
Kenilworth	Elmwood & Anderson pl..	300	\$2.00 and up.
Rockford	1411 Main st.....	200	\$2.00 per day.

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Name.	Location.	Capacity.	Rate.
City	Michigan & Exchange sts.	150	\$2.00 and up.
Genesee	Main & Genesee sts.....	450	\$2.00 "
Niagara	Porter, Seventh & Front..	400	\$2.00 "
The Annex	Swan & Pearl sts.....	200	\$1.50 "
Twentieth Century	Amherst & Delaware.....	150	\$1.50 "
Victoria	Niagara, Eagle & Franklin	400	\$1.50 "
Voss Hotel.....	999 William st.....	100	\$1.50 per day.
Brainard House	1039 William st.....	150	\$1.50 "
Stock Exchange.....	1009 William st.....	100	\$1.50 "
Carlton	Exchange & Washington..	225	\$1.50 "
Carl Volker	572 Amherst st.....	50	\$2.00 "
Kellogg	260 Franklin st.....	55	\$1.00 "
Mrs. John McCarty.....	190 Niagara st.....	75	\$1.00 "
H. Buete	136 Hampshire st.....	30	\$1.00 "
R. Palmerton	441 Forest av.....	100	\$1.00 "
Brown	2942 Main st.....	60	\$1.00 "
Glendale	2073 Main st.....	60	\$1.00 "
Chapin	Delaware & Lancaster av..	150	\$1.00 "
V. A. Killinger	1478 Main st.....	20	\$1.00 "
M. A. Shippey.....	1558 Main st.....	40	\$1.00 "
Christ Petre	162 Landon st.....	60	\$1.00 "
Barnes	278-280 Pearl st.....	125	\$1.00 "
Barton	W. Ferry & Barton sts... 14	14	\$1.00 "
Y. M. C. A.....	Genesee & Davis sts.... 75	75	\$1.00 "
Maryland Cottages.....	105-11 Maryland-303 Front	100	\$1.00 "
Irvington	351 Washington st.....	100	\$1.00 and up.
New Gruener.....	Washington & Huron sts..	400	\$1.00 "
The Plaza	942 Main st.....	85	\$1.00 "
Kirkwood	348 Washington st.....	100	\$1.00 "
Park House.....	744 Main st.....	40	\$1.00 "
Mrs. E. M. Bedell.....	238-240 Elmwood av.... 132	132	\$1.00 "
St. Mary's Home (women only), 125 Edward st.....	77	77	\$1.00 "
Robinson	Eagle & Washington sts..	175	\$1.50 per day.
Pierpont	59 Whitney pl.....	100	\$1.50 "
Northland	385-387 Ellicott st.....	80	\$1.50 "
The Raleigh	352 Franklin st.....	275	\$1.50 "
Alcazar	Amherst, near Delaware..	500	\$1.00 and up.
Columbia	Seneca & Wells.....	800	\$1.00 "
Epworth Cottage.....	Ledger, near Hertel av... 80	80	\$1.00 "
Forest	228-230 Forest av.....	65	\$1.00 "
Gibbs	1005-1021 Elmwood av... 1000	1000	\$1.00 "
Park	Amherst & Delaware av... 1000	1000	\$1.00 "
Women's Christian Ass'n..	266-68-70 Grote st.....	300	\$1.00 "
Fornes	Court & Pearl sts.....	150	\$1.00 "
Ansteth	1067-1073 Grant st.....	200	\$1.00 "
Zenobia	16-18 Prospect av.....	80	\$1.00 "
Lackawanna	62-64 Main st.....	450	\$1.00 "
Cornell	1200 Main st.....	100	\$1.00 "
Massachusetts	694-696 West av.....	50	\$1.00 "
Riverside Park	866-868 Prospect av.....	200	\$1.00 per day.

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Name.	Location.	Capacity.	Rate.
Paul Voorhees	935-945 W. Ferry st.....	375	\$1.00 per day.
C. B. Carrick.....	20 Exchange st.....	80	.50 "
D. G. McLeod.....	Exchange & Wells sts....	100	\$1.00 and up.
Arlington	Exchange & Wells sts....	200	\$1.00 "
C. H. Lowrey	73-75 Main st.....	150	\$1.00 "
Russell House.....	39-41-43 Swan st.....	160	\$1.00 "

EUROPEAN PLAN—MEN ONLY.

Name.	Location.	Capacity.	Rate.
John H. Mallon.....	Clinton & Michigan.....	20	\$1.00 per day.
Mrs. M. E. McGuire.....	295 Fulton st.....	14	\$1.00 "
Murray Hotel.....	47 E. Mohawk st.....	6	\$1.00 "
Henry Oertel	823 Washington st.....	24	\$1.00 "
David Pallister.....	574 Washington st.....	30	\$1.00 "
M. Patchen.....	139 Eagle st.....	8	\$1.00 "
Wm. J. Petsing.....	165 Seneca st.....	12	\$1.00 "
Geo. L. Pinzel.....	485 North Division st....	14	\$1.00 "
Andrew Richard.....	437 Ellicott st.....	18	\$1.00 "
Rosenberger Bros.....	Michigan & Eagle sts.....	10	\$1.00 "
Edward Sell	182 Broadway	22	\$1.00 "
Fred C. Spuecher.....	146 Goodell st.....	8	\$1.00 "
J. E. Frant.....	Conservatory, W. Seneca..	15	\$1.00 "
Louis W. Yauch.....	2455 Seneca st.....	25	\$1.00 "
H. A. Socwell.....	950 Grant st.....	30	\$1.00 "
Wm. McFarland.....	Smith & Prenatt sts.....	16	\$1.00 "
Forrestal & Strich.....	9 East Seneca st.....	75	\$1.00 "
Fulton Hotel.....	Oak & Clinton sts.....	54	\$1.00 "
Mr. Garvin.....	277 North Division st....	16	\$1.00 "
Hoffman & Lami.....	551 Main st.....	10	\$1.00 "
Mrs. Rose Elser.....	148 Exchange st.....	125	\$1.50 "
George Herman.....	894 Seneca st.....	18	\$1.50 "
Healey & Turner.....	248 North Division st....	80	\$1.50 "
Fred Warren.....	161 Ellicott st.....	20	\$1.50 "
Erler Hotel.....	1019 William st.....	81	\$1.50 "
John Smith.....	Fillmore av & C st.....	75	\$1.00 "
H. P. Eyring.....	747 Abbott road.....	6	\$1.00 "
Albert Clawson.....	646 Abbott road.....	18	\$1.00 "
Canandaigua Hotel.....	Michigan & Seneca sts....	30	\$1.00 "
Carolina Hotel.....	112 Main st.....	30	\$1.00 "
Reinal Hotel.....	354-56-58 Main st.....	150	\$1.00 and up.
Fitch	63 Main st.....	150	\$1.00 per day.
Olympic	97-101 Eagle st.....	51	\$1.00 and up.
T. J. Murphy.....	288 South Division st....	50	\$1.00 per day.
John Scheer	822 Seneca st.....	10	.75 "
John G. Seeger.....	122 East Genesee st.....	40	.75 "
Dunning Hotel.....	Ellicott & Clinton sts....	75	.75 "
George Flore.....	71 Clinton st.....	24	.75 "
Grand Central Hotel....	Clinton & Ellicott	90	\$1.00 "
Y. M. C. A.....	19 West Mohawk st.....	100	.50 to \$1.00.
Y. M. C. A.....	84 Exchange st.....	100	.50 per day.

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Name.	Location.	Capacity.	Rate.
United States Hotel.....	22 Pearl st.....	300	.50 to \$2.
Meadow View Hotel.....	Crescent & Colvin st.....	200	.50 to \$1.
Louis F. Kirst.....	914 Genesee st.....	60	.75 per day.
Crystal Hotel.....	Ellicott & Clinton.....	100	\$1.00 "
Stricht	Ellicott & Huron sts.....	50	\$1.00 "
Villa Hotel.....	North Division & Oak....	60	\$1.50 and up.
Cosmopolitan Hotel.....	Swan & Washington sts..	50	\$1.00 "
Wm. Heberly.....	Front & Porter av.....	14	\$1.00 per day.
Peter Campbell.....	530 Rhode Island.....	18	\$1.00 "
J. H. Delair.....	196 Rhode Island st....	40	\$1.00 "
F. H. Davis.....	109 Chenango st.....	25	\$1.00 "
Conrad Goetz.....	387 Vermont st.....	30	\$1.00 "
Tivoli Hotel.....	389 Washington st.....	19	\$1.00 "
W. J. McCormac.....	26 South Park av.....	25	\$1.00 "
Richard Crowley.....	Lafayette & Niagara sts..	26	\$1.00 "
E. Saville.....	839 West av.....	20	\$1.25 "
Jas. H. White.....	86 Forest av.....	100	\$1.00 "
W. W. Mang.....	2662 Delaware av.....	52	\$1.00 "
George Miller.....	264 Genesee st.....	170	\$1.00 "
George Diebold.....	Parade House.....	145	\$1.00 "
P. J. Kavanaugh.....	Perry & Van Rensselaer..	25	\$1.00 "
John Langford.....	Alabama & Elk sts.....	8	\$1.00 "
Samero Pittaro.....	243 West Genesee st....	20	\$1.00 "
George M. Mullen.....	71 Lakeview av.....	24	\$1.00 "
M. J. Kiefe.....	140 Seneca st.....	50	\$1.00 "
Butler & Garvin.....	134 East Eagle st.....	18	\$1.00 "
Thomas J. Diggins.....	120 North Division st....	10	\$1.00 "
Mrs. J. F. Mathews.....	47 Oak st.....	60	\$1.00 "
Murphy & Sutherland....	125 East Eagle st.....	75	\$1.00 "
White Line Hotel.....	51 East Genesee st.....	24	\$1.00 "
Mackinaw Hotel.....	258 Ohio st., near Moore..	75	\$1.00 "
Mr. B. W. Ward.....	714 Swan st.....	200	\$1.00 "
John Walsh.....	49 South Division st.....	150	\$1.00 "
Alexander Turnbull.....	1012 Genesee st.....	50	\$1.00 "
Frank Beer.....	Carroll & Van Rensselaer.	12	\$1.00 "
Ross Sauter.....	288 Triangle st.....	44	\$1.00 "
Jim Smith.....	Myrtle av & South Cedar..	16	\$1.00 "
John T. Fulton.....	390 Michigan st.....	20	\$1.00 "
J. H. Gilbert.....	Sycamore & Fillmore av..	24	\$1.00 "
J. Singer.....	234 Ellicott st.....	100	\$1.00 "
McKay Hotel.....	40 East Eagle st.....	90	\$1.00 "

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BANKS AND TRUST COMPANIES.

American Exchange Bank, 220 Main.
Bank of Buffalo, 236 Main, corner Seneca.
Buffalo Loan, Trust & Safe Deposit Co., 449 Main.
Buffalo Savings Bank, Main, N. E. corner Huron.
Columbia National Bank, Prudential Building.
City National Bank, 319 Main.
Citizens' Bank, 561 William, corner Sherman.
Commercial Bank, 26 West Seneca, corner Pearl.
Empire State Savings Bank, 174 Pearl, corner Niagara.
Erie County Savings Bank, 344 Main, corner Niagara.
Fidelity Trust & Guarantee Co., Main, corner Church.
German Bank, 447 Main, corner Broadway.
German-American Bank, 428 Main, corner Court.
Manufacturers' and Traders' Bank, 270 Main, corner Swan.
Marine Bank, 220 Main, S. W. corner Seneca street.
Merchants' Bank, 208 Main.
Metropolitan Bank, 485 Main, corner Mohawk.
People's Bank, 257 Washington.
Third National Bank, 275 Main, corner Swan.
Union Bank, 498 Main, corner Mohawk.
Western Savings Bank, 438 Main, corner Court.

TELEGRAPH COMPANIES.

Postal Telegraph & Cable Co., 207 Main.

Branch offices:

56 Main.
Hotel Iroquois.
22 Palace Arcade.
Mooney-Brisbane Bldg., second floor.
141 Michigan.
Board of Trade.
100 Lakeview avenue.
187 Tonawanda.
Prudential Building.
Mutual Life Building.

64 Exchange.

Jacob Dold Packing Co.
Snow Steam Pump Works.
Live Stock Exchange, East Buffalo.
Morgan Building, first floor.
Niagara, corner Maryland.
Main, corner Seneca.
Ganson, corner Michigan.
Continental Hotel.
15 1-2 Wadsworth street.

Western Union, corner Main and Swan.

Branch offices:

Room 35 Board of Trade.
319 Main (City National Bank).
Erie County Bank Building.
537 Main.
943 Main.
935 West Ferry.
488 William.
Live Stock Exchange.
173 Perry.
211 Vermont.
413 Niagara.
Tifft House.
Hotel Broezel.
Exchange Street Depot.
Erie Railway Depot.
1593 Niagara.
D., L. & W. Railway Depot.
194 Main street.
Wm. Hengerer Co.
2431 Main street.
Chapin & Co., D. S. Morgan Bldg.
Anchor Line Office.
Snow Steam Pump Works.
Pullman Co., East Buffalo.
Lehigh Valley R. R. Depot.
Erie Railway Station, East Buffalo.
Erie Railway Station, Kensington.
Larkin Soap Co.

OFFICE AND OTHER PUBLIC BUILDINGS.

American Block, Main between Court and Eagle.
Austin Fire Proof Building, 110 Franklin.
Beecher Building, 64 South Division, corner Elllicott.
Bapt Building, Seneca, corner Washington.

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- Board of Trade Building, Seneca, corner Pearl.
- Brown Building, Main, corner Seneca.
- Buffalo Library Building, Washington, corner Broadway.
- Builders' Exchange, Court, corner Pearl.
- Chapin Block, West Swan, between Main and Pearl.
- City National Bank, Main, near South Division.
- City and County Hall, Franklin Square, between Franklin, Delaware avenue, Church and West Eagle.
- Coal and Iron Exchange Building, 257 Washington.
- Colt Block, Pearl, corner West Swan.
- Columbia Building, 101 to 107 Seneca.
- Custom House, Washington, corner Seneca.
- Ellicott Square Building, Main, Swan, Washington and South Division.
- Erle County Savings Bank Building, Main, Niagara, Pearl and Church.
- Exchange Building, 196 to 202 Main.
- Fire Department Headquarters, Court, corner Staats.
- Fitch Creche Building, 159 Swan.
- Fornes Building, Court, corner Pearl.
- Franklin Block, Franklin, between Erle and West Seneca.
- Franklin Hall, over 50 West Eagle.
- German Insurance Co. Building, Main, corner Lafayette.
- German Young Men's Association Building, Main, corner Edward.
- Germania Block, 820 Main.
- Granite Block, Main, between Seneca and Swan.
- Greene's Block, Washington, corner N. Division.
- Prudential Building, Pearl, cor. Church.
- Harvey Block, Main, corner Swan.
- Hayen Building, Main, corner Seneca.
- Hutchinson Building, 73 West Eagle.
- Kremlin Block, Main, between Niagara and Eagle.
- Kremlin Hall, West Eagle, corner Pearl.
- Lehigh Valley Building, Main, corner Seneca.
- Lewis Block, Washington, S. W. corner Swan.
- Liberty Block, Chippewa, corner Pearl.
- Live Stock Exchange, William and Depot.
- Market Hall, Ellicott, opposite Market.
- Masonic Temple, 41 to 45 Niagara.
- Matthews Building, Washington, corner Exchange.
- Merchants' Exchange, Board of Trade Building, West Seneca, corner Pearl.
- Mooney-Brisbane Building, Main, corner Clinton.
- Morgan Building, 544 Main.
- Morgan, D. S., Building, Niagara, corner Pearl.
- Municipal Court Building, 34 Delaware avenue.
- Palace Arcade, 617 Main.
- Root Building, Wells, corner Carroll.
- Spaulding Exchange, Main, corner Terrace.

MILITARY.

- 74th Regiment Armory—Bounded by Connecticut, Niagara, Prospect avenue and Vermont street. Take Niagara Street Car Line.
- 65th Regiment Armory—New York State Arsenal, Broadway and Potter street. Take cars of the Broadway Line.

PRINCIPAL CHURCHES.

- Asbury (Methodist), Pearl and Chippewa Streets.
- Ascension (Episcopal), North Street and Linwood Avenue.
- Calvary (Presbyterian), Delaware Avenue, near Tupper.
- Central (Presbyterian), Genesee and Pearl Streets.
- Church of Our Father (Unitarian), Delaware Avenue, near Mohawk Street.
- Church of the Messiah (Universalist), North and Mariner.
- Delaware Avenue (Baptist), Delaware Avenue, near Bryant.
- Delaware Avenue (Methodist), Delaware Avenue and Tupper.
- First (Presbyterian), Wadsworth Street and the Circle.
- North (Presbyterian), Main, near Chippewa Street.
- People's (Congregational), Niagara Square.

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St. Joseph's Cathedral (Catholic), Swan and Franklin.

St. Louis' (Catholic), Main and Edward Streets.

St. Paul's (Episcopal), Main, Erie and Church Streets.

Temple Beth Zion, Delaware Avenue, near Allen Street.

Trinity (Episcopal), Delaware Avenue, near Tupper Street.

Westminster (Presbyterian), Delaware Avenue, near North.

St. Peter's (Catholic), Main, corner Best.

Lafayette Avenue (Presbyterian), Lafayette, N. E. corner of Elmwood.

MASONIC TEMPLE.

41-45 Niagara Street, near Main Street.

ODD FELLOWS' TEMPLE.

William Street, near Jefferson.

MEDICAL COLLEGES.

University of Buffalo, High, near Main.
Niagara University.

PUBLIC PARKS.

Botanical Gardens, South Park.

Bennett Park, 273 Clinton, corner Pine.
Casenovia Park, at 1438 Abbott road, and at 2331 Seneca.

Day's Park, at 262 Allen, and 125 Cottage.

Front, The, at 586 Front avenue, corner Porter.

Humboldt Park, at 1108 Fillmore avenue and 1132 Genesee, corner Best.

Johnson Park, 274-280 Delaware avenue.
Lafayette Square, at 411 Main, corner Clinton.

Masten Park, at 236 North, corner Masten.

Park, The, at 665 Forest avenue, and at 2100 Main.

Prospect Parks (two), at 648 Niagara, corner Porter avenue.

Riverside Park, at 2687 Niagara and at City Line.

South Parks, from 951 Abbott road, at junction of South Park avenue.

Stony Point Park, on the Lake Front, just beyond the City Limits.

Terrace Parks, from junction of Delaware and Church to 180 Court.

Zoo, The, Delaware Park.

STEAMER WHARVES.

Northern Steamship Co., foot of Main Street.

Cleveland & Buffalo Transit Co., corner Ohio and Illinois.

Anchor Line, foot of Evans Street.

Excursion Steamers, foot of Main Street.

River Boats, foot of Main Street; also foot of Ferry.

RAILROAD TICKET OFFICES.

Buffalo Street Railway Co., Main, N. W. corner Terrace.

Buffalo Traction Co., Main, N. W. corner Terrace.

Buffalo, Rochester & Pittsburg R. R., 307 Main.

Canada Pacific R. R., 283 Main.

Delaware, Lackawanna & Western R. R., 289 Main (Ellicott Square).

Erie R. R., 309 Main (Ellicott Square).
Grand Trunk R. R., 285 Main.

Lake Shore & Michigan Southern, 221 Main.

Lehigh Valley R. R., 369 Main.

Michigan Central R. R., 299 Main.

New York Central R. R., 377 Main.

Nickel Plate (New York, Chicago & St. Louis) R. R., 291 Main.

Niagara Falls and Lockport Electric R. R., Main, corner Terrace.

Northern Central R. R., 307 Main.

Wabash R. R., 287 Main.

Western New York & Pennsylvania R. R., 285 Main.

West Shore R. R., 219 Main, corner Erie.

CEMETERIES.

Black Rock German, Hertel avenue.

Buffalo Cemetery, Pine Hill.

Concordia, Walden avenue.

Evangelical, Pine Hill.

Forest Lawn, Main and Delaware entrances.

Holy Cross, Limestone Hill.

Holy Rest, Pine Hill.

Howard Free Cemetery, Limestone Hill.

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Jewish, Pine Hill.
Lake Side, near Athol Springs.
Mount Hope, Pine Hill.
Potters' Field, Limestone Hill.
Ridge Lawn, Pine Hill.
St. John's Church, Pine Hill.
St. Stanislaus, Pine Hill.
United German and French R. C., Pine Hill.
Zion's Church, Pine Hill.
Buffalo Crematory, Delavan avenue, opposite entrance to Forest Lawn.

DEPOTS.

Delaware, Lackawanna & Western R. R.
Depot at foot of Main. Reached via Main St. Car.
Erie Depot, at 237 Michigan, corner Exchange. Reached via Baynes and Hoyt, Jefferson, Michigan and Utica Cars. Trains of the following railroads depart from this depot:
Erie R. R.
Nickel Plate (New York, Chicago & St. Louis) R. R.
Wabash R. R.
Grand Trunk Depot, at 157 Erie and Erie Canal. Two trains daily via International Bridge.
Lehigh Valley Depot, at 119 Washington, corner Scott. Reached via Scott, Main, Genesee, Elk and Sycamore Cars.
Trains of Lehigh Valley R. R.
Grand Trunk R. R.
New York Central Depot, at 121 Exchange. Reached by Baynes and Hoyt, Michigan, Jefferson and Utica Cars. Trains of the following railroads depart from this depot:
Buffalo, Rochester & Pittsburg R. R.
Canadian Pacific R. R.
Lake Shore & Michigan Southern R. R.

PRINCIPAL HOSPITALS.

Buffalo General Hospital, 100 High.
Buffalo Homeopathic Hospital, corner Cottage and Maryland.

Buffalo Hospital (Sisters of Charity), 1883 Main.
Buffalo Quarantine Hospital, 762 East Ferry.
Buffalo State Hospital, entrance West Forest avenue, near Elmwood avenue.
Buffalo Women's Hospital, 191 Georgia.
Children's Hospital, 219 Bryant.
Emergency Hospital, corner South Division and Michigan.
Erie County Hospital, 3399 Main.
German Deaconess Home, 230 Kingsley.
German Hospital, 740 Jefferson, opposite Brown.
Lexington Heights Hospital, 173 Lexington avenue.
Maternity Hospital, 191 Georgia.
Providence Asylum, corner Main and Humboldt Parkway.
Riverside Hospital for Women, 306 Lafayette avenue.
St. Francis Hospital, 337 Pine.
St. Mary's Hospital, 120 Edward.
U. S. Marine Hospital, 1883 Main.
U. S. Marine Hospital Dispensary, 25 Postoffice Building.
Y. M. C. A. Hospital (East Buffalo Branch), corner Broadway and Bailey avenue.

PUBLIC BUILDINGS.

Albright Gallery of Fine Arts, the Park.
Buffalo Library (free), at 421 Washington, corner Broadway.
Grosvenor Library, 385 Franklin, S. E. corner of Edward street.
Buffalo Historical Society, 421 Washington, corner Broadway.
City and County Hall, at 78 Franklin corner Church and corner Eagle.
City Convention Hall, 392 Virginia, corner Elmwood.
Erie County Almshouse, 3399 Main.
Erie County Jail, Delaware avenue, corner Church.
Erie County Morgue, at 241 Terrace.
Erie County Penitentiary, at 418 Trenton avenue, corner Pennsylvania.
Fire Department Headquarters, at 167 Court, corner Staats.

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Municipal Building, 42 Delaware avenue.
New York State Arsenal, at 173 Broadway, corner Potter.
Police Headquarters, Franklin, corner West Seneca.
Postoffice, Ellicott, corner Swan.
Buffalo Art Gallery, Broadway, corner Washington.
74th Regiment Armory, at 711 Niagara, corner Connecticut.
United States Court House, in new Federal Building, corner Ellicott and Swan streets.
Young Men's Christian Association Building, Library and Reading Rooms, Pearl, corner Mohawk (one block from Main street).
United States Customs House, Swan corner Ellicott.
United States Life Saving Station, on Buffalo River, opposite foot of Erie street.
United States Weather Bureau, at 146 Pearl, corner Church (Prudential Building).

SUBURBAN LINES.

Buffalo, Depew and Lancaster (color of cars, Yellow)—From Main and Clinton to Washington, to Broadway, to City Line, to Bellevue, to Depew, to Lancaster (every 30 minutes).
Buffalo and Gardenville—From Seneca street, at the East City Line, to Gardenville, to Ebenezzer.
Buffalo and Grand Island—From Niagara and Hertel avenue to City Line, to River road, to Grand Island Ferry.
Buffalo and Hamburg—From Bailey avenue line, at Limestone Hill, to Roland, to Biadell.
Kenmore—From Terrace on Main, to Florence, to Parkside, Hertel, to Virgil, to Kenmore, to Delaware, to Tonawanda (every half hour).
Lockport—Lockport cars run from Main and Terrace over Main to Erie tracks, to Tonawanda and Lockport.
Niagara Falls Line (color of cars, Yellow)—From Main and Exchange to Niagara to Tonawanda street, to Am-

herst, to Military road, to Tonawanda, to La Salle, to Niagara Falls.

Tonawanda Line—From Niagara and Hertel avenue to Tonawanda street, to O'Neil, to Niagara boulevard, to Tonawanda.

Williamsville Line—From City Line and Main to Eggertsville, to Snyder and Williamsville.

CITY STREET CAR LINES.

Bailey Ave. (color of cars, Dark Red)—Terrace and Erie street to South Division, to Cedar, to Swan, to Seneca, to Bailey avenue, to South Park Avenue to City Line. Returning over same route to Swan, to Terrace and Erie.
Baynes & Hoyt Line (color of cars Green)—From Main and Exchange to Allen, to Wadsworth, to Fourteenth, to Rhode Island, to Chenango, to Baynes, to Forest avenue, to Exposition. Returning by Forest, to Hoyt, to Hampshire, to Winter, to Brayton, to Vermont, to Seventeenth, to Connecticut, to Normal, to Jersey, to Plymouth, to Hudson, to Cottage, to Day's Park, to Allen, to Main, to Seneca, to Pearl, to Terrace, to Main.
Best Line (color of cars, Yellow)—Erie to South Division, to Ellicott, to Tupper, to Elm, to Best, to Walden, to Belt Line. Returning by Best to Elm, to Swan, to Erie.
Broadway (color of cars, Wine Red)—City Line and Broadway to Main, to Seneca, to Washington, to Broadway, to City Line.
Cazenovia Line—From Bailey avenue to Abbott road, to Cazenovia, to Seneca street.
Chicago (color of cars, Yellow)—From Erie to South Division, to Chestnut, to Swan, to Chicago, to Perry, to Hamburg, to Erie Crossing. Returning over same route to Swan, to Terrace, and Erie.
Clinton and Eagle Line (color of cars, Red)—From Main and North Division to Eagle, to Emslie, to Clinton, to City Line. Returning by Clinton to Michigan, to North Division, to Main.

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- Connecticut and Brayton Line**—From Euclid on Elk to Michigan, to Perry, to Main, to Court, to Niagara, to Connecticut, to Fourteenth, to Rhode Island, to Brayton. Returning by Brayton, to Seventeenth, to Connecticut, to Niagara, to Court, to Main, to Perry, to Michigan, to Elk.
- East Utica Line** (color of cars, Yellow)—Niagara and Ferry on Ferry to Hampshire, to Winter, to Brayton, to Utica, to French, to Kehr, to East. Returning over same route.
- Elk Street Line** (color of cars, Wine)—From Main and Seneca to Washington, to Perry, to Michigan, to Elk, to Euclid. Returning from Euclid and Elk to Michigan, to Perry, to Main, to Seneca.
- Elmwood Avenue Line** (color of cars, Dark Red)—From Main and Exchange to Virginia, to Elmwood avenue, to Exposition. Returning same way.
- Elmwood via Utica St. Line** (color of cars Dark Red)—From Main and Exchange to Utica, to Elmwood, to Exposition. Returning same way.
- Genesee Street Line**—Washington and Perry to Genesee, to City Line.
- Herman Street Line** (color of cars, Yellow)—From Walden avenue and Herman to Smith, to Peckham, to Spring, to Cedar, to Swan, to Erie, to Franklin. Returning by Erie to South Division, to Spring, to Peckham, to Smith, to Herman, to Walden avenue.
- Hertel Avenue Line** (color of cars, Dark Red)—From Main and Hertel avenue to Niagara.
- Jefferson Street Line** (color of cars, Dark Red)—From Main and Exchange to Louisiana, to Seneca, to South Cedar, to Swan, to Jefferson, to Main, to Florence, to Parkside avenue, to Hertel avenue, to Exposition. Returning same way.
- Kensington Line** (color of cars, Dark Red)—From foot of Main street to East Ferry, to Grider, to Kensington avenue, to Bailey avenue, to City Line. Returning over the same route to foot Main street.
- Main St. Line** (color of cars Dark Red)—From foot of Main to Florence, to Parkside avenue, to Hertel, to Exposition. Returning same way.
- Main Street Line** (color of cars, Dark Red)—From foot of Main to City Line.
- Michigan and Forest Avenue** (color of cars, Dark Red)—From Main and Exchange to Michigan, to Delavan, to Forest, to Elmwood, to Exposition. Returning, Elmwood, Forest to Linwood, Balcom, Masten, North, Michigan to Main and Exchange.
- Niagara Street Line** (color of cars, Dark Red)—From Main and Exchange to Niagara, to Hertel avenue.
- Seneca Street Line** (color of cars, Dark Red)—From Main and Seneca to East City Line and Cazenovia Park.
- School** (color of cars, Dark Red)—Niagara and School to Plymouth, to Hampshire, to Normal, to Jersey, to Plymouth, to Cottage, to Allen, to Elmwood, to Virginia, to Main. Returning over same route.
- Sycamore Street Line** (color of cars, Green)—From Perry and Washington to Huron, to Sycamore, to Walden avenue, to City Line.
- Utica** (color of cars, Green)—Ferry and Niagara, Ferry to Hampshire, to Winter, to Brayton, to Utica, to Main, to Seneca, to Michigan, to Exchange, to Main, to Utica, to Chenango, to Ferry, to Niagara.
- West-Grant Street Line** (color of cars, Red)—From Main and Exchange to Niagara, to Carolina, to West avenue, to York, to Plymouth avenue, to Hampshire, to Grant, to Forest avenue, to Elmwood, to Exposition. Returning Elmwood, to Forest, to Grant, to Hampshire, to Normal, to Jersey, to Plymouth, to Hudson, to West avenue, to Carolina, to Niagara, to Huron, to Pearl, to Terrace.
- William Street Line** (color of cars, Red)—From Main and North Division to Eagle, to Michigan, to William, to City Line. Returning by William to Michigan, to North Division, to Main.
- Zoo**—Jefferson Street Line, from Jefferson on Main to Florence, to Parkside; Main to Zoo, to Exposition. Returning same way.

Exposition Concessions.

Frederic W. Taylor, Supt.

Following is a list of the concessions granted by the Pan-American Exposition Co., together with the names and addresses of the concessionaries.

- ADV. IN TOILET ROOMS—Francis B. Lane.
- AERIO CYCLE—E. S. Dundy, N. Midway.
- AFRICAN VILLAGE—African Village Co., 45 Erie Co. Bank Bldg. N. Midway.
- "ALT NURNBERG"—A. E. Esenwein, Mall and Midway.
- ALASKA SOUVENIRS—Arthur C. Jackson, Alaska Building.
- ART CATALOGUE—David Gray, 953 Ellicott Sq., City.
- AROUND THE WORLD—F. W. Thompson, N. Midway.
- AUTOMATIC PHOTOGRAPH MACHINES—M. L. Linquist, 497 Elmwood Ave., City.
- AUTOMATIC MACHINES FOR THE SALE OF PINYAN NUTS—Mills Novelty Co., 11 S. Jefferson St., Chicago.
- BADGES, BUTTONS AND MEDALS—Pan-American Badge & Souvenir Co., 428 Ellicott Sq., Plaza Kiosk.
- BECK DESIGN ON FABRICS, &c.—Adam, Meldrum & Anderson Co., 404 Main St.
- BECK DESIGN ON BICYCLES—G. N. Pierce Co., Main St., City.
- BECK DESIGN DELCALCOMANIE—Palm Fechtler & Co., 3 W. 13th St., New York.
- BECK DESIGN ON HAT TIPS AND BOX LABELS—Bill & Caldwell, 538 Broadway, New York.
- BECK DESIGN ON PLAYING CARDS—Pan-American Souvenir Co., 423 Ellicott Sq.
- BECK DESIGN ON CLOCK DIALS—C. H. Choufret, 379 Main St., City.
- BECK DESIGN ON SMYRNA AND MOQUETTE RUGS—The Wm. Hengerer Co., 256 Main St., City.
- BECK DESIGN ON GLASS PAPERWEIGHTS—Wm. J. Doran, 528 Prudential Bldg., City, and Bazaar.
- BECK DESIGN ON LAMPS—Wm. J. Reid, 42 Day's Park, City.
- BECK DESIGN ON ORANGE AND LEMON BOX LABELS—Covina Fruit Exchange, 98 W. Market St., City.
- BECK DESIGN ON WATCHES AND PARTS THEREOF—W. F. Doll Mfg. Co., 175 Broadway, New York.
- BEAUTIFUL ORIENT—Gaston Akoun, 401 D. S. Morgan Bldg., City, and N. Midway.
- BECK DESIGN ON NAPKIN RINGS, TOOTHPICK HOLDERS & METAL PIN TRAYS—Wilbur B. Hall, Meriden, Conn., and Bazaar.
- BECK DESIGN ON CANES AND PIPES—W. S. Jackson, 31 City Hall, Buffalo, and Bazaar.
- BECK DESIGN ON PAPER NAPKINS—Nathan Cohen, 41 Emerson Place, City.
- BECK DESIGN ON HAND BAG TOPS AND BRACELET CLASPS—Wm. C. Popper.
- BECK DESIGN ON POCKET MIRRORS AND MATCH SAFES—Pan-American Badge and Souvenir Co., Plaza Kiosk.
- BICYCLE CHECKING—Wm. H. Alport, W. Amherst Gate.
- BOATING—J. B. Chaddock, 214 Pearl St., City, and Park Lake.

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- BOOTBLACKING AND TOILET ROOMS**—H. C. Prichard, 212 Delaware Ave.
- CARDIFF GIANT**—The Cardiff Giant Company.
- CATALOGUE AND GUIDE**—Charles Abhart, 211 Ellicott St., City.
- CARRIAGE BOOTHS**—C. W. Miller, Buffalo.
- CAPTIVE BALLOON**—Mark L. Stone, Exposition Grounds.
- CELLULOID SOUVENIRS**—Whitehead & Hoag Co., Newark, N. J.
- CHIQUITA**—F. C. Bostock, The Zoo, Indianapolis, Ind., and S. Midway.
- CHOCOLATES AND CHOCOLATE BONBONS**—The Walter M. Lowney Co., 445 Commercial St., Boston, Mass., and S. Midway.
- CHOCOLATE AND COCOA**—Walter N. Baker & Co., 158 State St., Boston, and S. Midway.
- CLEOPATRA**—Alonso Lincoln, N. Midway.
- COIN SOUVENIRS FROM SLOT MACHINES**—Chas. F. Damm.
- COLORADO GOLD MINE**—J. T. Hayward, 543 Main St., City, and N. Midway.
- CONFECTIONERY**—Pan-Am. Candy Co., 113 Seneca St., City, and Plaza Kiosk.
- CUTLERY**—Cattaraugus Cutlery Co., Little Valley, N. Y., and Manufacturers' Bldg.
- DARKNESS AND DAWN**—J. J. Dunnavant.
- DAILY PROGRAM**—Robt. L. Cox, 786 Ellicott Sq., City.
- DAWSON CITY**—E. M. Bayliss, St. Louis, Mo., and S. Midway.
- DIVING AND SWIMMING**—E. S. McConnell.
- EDUCATED HORSE "BONNER"**—E. S. Dundy, N. Midway.
- ELECTRIC LAUNCHES**—Abergo & Baroni, 500 Amherst St., City, and S. Midway.
- EMBOSSSED BECK DESIGN**—C. E. Brinkworth, 331 Main St., City.
- ESKIMO VILLAGE**—Labrador Exhibition Co., J. G. H. Marvin, Pres., 143 Perry St., and N. Midway.
- FANS**—N. Nasr, The Stadium.
- FALL OF BABYLON**—J. J. Dunnavant, N. Midway.
- FRUIT**—J. A. McGinnis.
- GLASS FACTORY**—National Glass Co., Pittsburg, Pa., N. Midway.
- GUM**—The Buffalo Sour Pepsin Gum Co., 40 Pearl St.
- GYPSEY CAMP**—Enrique Gabardon, N. Midway.
- HAWAIIAN VOLCANO & THEATER**—E. W. McConnell, 584 Potomac Ave., and N. Midway.
- HOUSE UPSIDE DOWN**—Arabian Nights Co., N. Midway.
- IDEAL PALACE**—Capaceloff & Sarsal, Elmwood Hotel, City, and S. Midway.
- INDIAN VILLAGE**—Gaines & Cummins, S. Midway.
- INFANT INCUBATOR**—Dr. S. Schenkeln, The Cheltenham, City, and S. Midway.
- JAPANESE VILLAGE**—Japanese Village Co., S. Midway.
- JERUSALEM ON THE DAY OF THE CRUCIFIXION**—Percival M. White, 310 Mooney-Brisbane Bldg.
- JOHNSTOWN FLOOD**—Alfred E. Swift, 712 Prudential Bldg., City, and N. Midway.
- LABELS FOR CANNED GOODS**—U. S. Canning Co., 425 Ellicott Sq., City.
- LITHOGRAPHED METAL TRAYS**—Chas. W. Sheak, 983 Ellicott Sq., City.
- LOOM CONCESSION**—Anderson Bros., Paterson, N. J., and Mach. Bldg.
- LOOM CONCESSION**—Miss Kate Fearn, Windemere, Long Lake, Ill., and Elec. Bldg.
- LOOM CONCESSION**—Allen Chesters, Paterson, N. J., and Machinery Bldg.
- LOOM CONCESSION**—Taylor Silk Mfg. Co., Paterson, N. J., and Mfrs. Bldg.
- MARINE AND FIELD GLASSES**—Charles W. Dennis.
- MEXICAN VILLAGE**—H. F. McGarvie, 7 East Swan St., City, and N. Midway.
- MICROSCOPES**—M. G. Thompson, 98 Yonge St., Toronto, Ont., and Mfrs. Bldg.
- MINIATURE RY.**—Miniature Ry. Co., 301 Broadway, New York.
- MINIATURE WORLD'S FAIR**—L. V. Rice, 1288 N. Clark St., Chicago, Ill., and N. Midway.
- MIRROR MAZE**—J. Francis Brown, 680 Main St., City, and N. Midway.
- MOVING PICTURES**—S. Lubin, 21 S. 8th St., Philadelphia, Pa., and N. Midway.

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- NATURAL QUARTZ CRYSTALS**—A. B. Crim, Middleville, N. Y., and Mines Bldg.
- NEWSPAPERS, ETC.**—C. S. A. Coe.
- OLD PLANTATION**—E. S. Dundy, N. Midway.
- OPTICAL GOODS**—M. Brown & Co., 300 E. 12th St., New York, and Agr. Bldg.
- OPTICAL GOODS**—J. J. Mannion, 563 Main St., City, and Machinery Bldg.
- OPERA AND FIELD GLASSES**—N. Y. Opera Glass Company.
- OSTRICH FARM**—
- PANOPTICON**—A. F. Turpin, Panopticon, Ex. Grounds.
- PAN-AMERICAN PUZZLE**—Pan-American Puzzle Co., 716 Mutual Life Bldg.
- PALMISTRY**—Leo Bonet, S. Midway.
- PENS, PENCILS, &c.**—M. Brown & Co., 300 E. 12th St., City, and Mines Bldg.
- PHILIPPINE VILLAGE**—Philippine Exhibit Co., 584 Potomac Ave., and N. Midway.
- PHOTOGRAPHS**—C. D. Arnold, 123 Bidwell Parkway, City, and S. Midway.
- PLASTER CASTS**—Aug. Langenbahn & Son, 446 Niagara St., City.
- POTTERY**—Geo. W. Parker.
- POPCORN & PEANUTS**—G. A. Dirnberger, Elliccott Sq. Court, City, and N. Midway.
- PRE-EXPOSITION RESTAURANT**—Geo. Swanz, 46 Delaware Ave., City.
- PRE-EXPOSITION POPCORN & PEANUTS**—G. A. Dirnberger, Elliccott Sq.
- RENTAL OF UMBRELLAS & PARASOLS**—T. S. Clarkson, The Cheltenham, Buffalo, and The Stadium.
- RESTAURANT**—F. J. Bailey, 1108 D. S. Morgan Bldg., City.
- RESTAURANT**—Pabst Brewing Co., Milwaukee, Wis., N. Midway.
- RESTAURANT**—Mrs. J. T. McCready, 43 E. Utica St., City, and N. Midway.
- RESTAURANT**—Wm. Hurley, 372 South Park Ave., Buffalo, S. Midway.
- RESTAURANT**—S. P. Gross, 44 S. Division St., Buffalo, and N. Midway.
- RESTAURANT**—John Krider, Exposition Grounds.
- RESTAURANT**—G. A. Swanz, Buffalo, N. Y.
- RICE KITCHEN**—Rice Association of America.
- ROLLER CHAIRS**—Byron B. Daggett, 723 Elliccott Sq., City, and The Stadium.
- SCENIC RAILWAY**—The L. A. Thompson Ry. Co., 150 Nassau St., N. Y., and S. Midway.
- SEATING CONCESSION**—Major T. S. Clarkson, The Cheltenham, City, and The Stadium.
- SHARPENING STONES**—George F. Lucas, and Bazaar.
- SLOT PICTURE MACHINES**—Edwin Allen McPherson, 50 Coal & Iron Ex. and N. Midway.
- SOFT DRINKS**—Buffalo Concessions Co., 320 Elliccott Sq., and N. Midway.
- SOUVENIR FINGER RINGS**—C. D. Arnold, 123 Bidwell Parkway, City.
- SOUVENIR WATCHES**—R. H. Ingersoll & Bro., 67 Cortlandt St., New York.
- SOUVENIR HORSESHOES**—The Bryden Horseshoe Co., Catasaqua, Pa., Mach. Bldg.
- SOUVENIR MAILING CARDS**—Niagara Envelope Co., 117 Seneca St., City.
- SOD HOUSE**—Mrs. L. Bowser, City, Exposition Bldg.
- "SPIRIT OF NIAGARA" POSTERS**—The Goff Co., 1005 Mutual Life Bldg., City.
- SOUVENIR SPOONS**—American Souvenir Co., City National Bank.
- SOUVENIR CHINA**—American Souvenir Co., City National Bank.
- STADIUM SCORE CARD**—Frank P. Stockbridge.
- STAIR LIFT**—Stair Lift Company, Nlacetown, Pa.
- STATUARY**—Aug. Langenbahn & Son, 446 Niagara St.
- TRIP TO THE MOON**—F. W. Thompson, N. Midway.
- THE GILDED CHARIOT**—Frank C. Bostock, The Zoo, Baltimore, Md., and S. Midway.
- VENICE IN AMERICA**—Street; of Venice Co., S. Midway.
- WAR CYCLORAMA**—A. B. Penfield, N. Midway.
- WAGONETTES**—C. F. Dunbar.
- WILD ANIMAL SHOW**—Frank C. Bostock, The Zoo, Baltimore, Md., and S. Midway.
- WOOD SOUVENIRS**—Romeyn B. Hough, Lowville, N. Y., and Forestry Bldg.
- WOOD SOUVENIRS**—Nelson G. Freeman, Saratoga, N. Y., and Forestry Bldg.

CATALOGUE



OFFICIAL CLASSIFICATION OF EXHIBITS.

DIVISIONS.

AGRICULTURAL AND DAIRY PRODUCTS

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FOODS AND THEIR ACCESSORIES

HORTICULTURE

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Floriculture
Viticulture

FORESTRY AND FOREST PRODUCTS

MINES AND METALLURGY

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Bookbinding

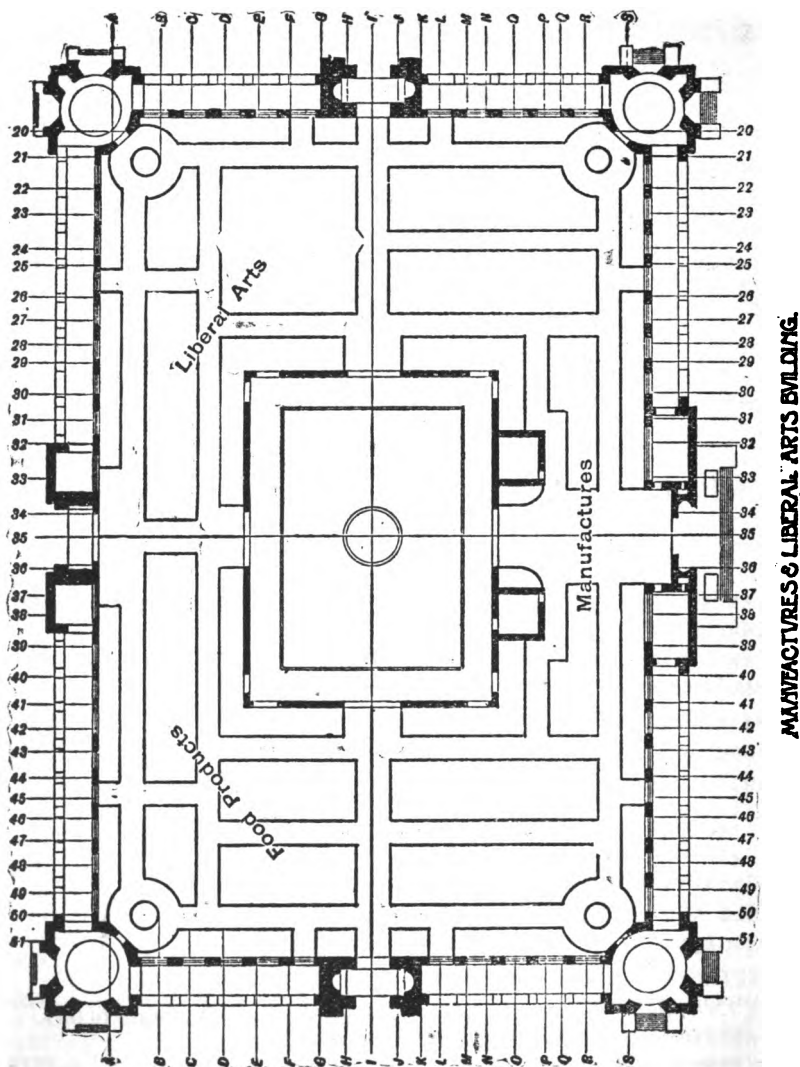
LIBERAL ARTS

Education
Engineering
Public Works
Sanitation
Constructive Architecture
Social Economy
Music and the Drama

ETHNOLOGY AND ARCHÆOLOGY

FINE ARTS

Painting
Sculpture
Decoration



MANUFACTURES & LIBERAL ARTS BUILDING.

Manufactures and Liberal Arts Building.

KEY TO INSTALLATION.

For the purpose of conveniently locating the exhibits, the ground plan of the building (see opposite page) is divided into *sections*, which are indicated by the letters A to S in one direction, and by the figures 20 to 51 in the other. By this system each exhibit has a position of longitude and latitude. For example, an exhibit indicated in the catalogue as being at "I-35," would be found at that point where a line drawn vertically from "35" intersects with a line drawn horizontally from I.

Manufactures Division.

Rigar M. Wheeler, Supt.

(Office in East Gallery of Building.)

NATURE OF EXHIBITS.

General Manufactures, Jewelry, Clocks, Gold and Silverware,
Silks, Woolens, Worsteds, Cottons, Dress Goods, etc.

Furs, Fur Clothing, etc.

Chemicals, Paints, Oils, Varnishes, Soaps, etc.

Hardware, Tools, Typewriters.

EXHIBITORS.

American Automatic Fan Co.,
Richmond, Va. Automatic sewing
machine fans. O—39.

American Buffalo Robe Co., 1
Howell St., Buffalo, N. Y. Robes.
N—51.

American Enameled Brick & Tile
Co., 1 Madison Ave., New York, N. Y.
In Electricity Bldg.

American Metile Co., 112 No. 12th
St., Philadelphia, Pa. Enameled met-
al tiling. Q—44.

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- American Net & Twine Co., 93 Commercial St., Boston, Mass.** Fish nets, etc. Q—20.
- American Woolen Co., The, 74 and 76 Worth St., New York, N. Y.** Worsted and woolen cloths. Manufacturers of worsted and woolen cloths, overcoatings, cloakings, etc., also worsted yarns of every description. Chas. B. Newhall, Pan-American representative. J—22.
- American Wringer Co., 99 Chamber St., New York.** Clothes wringers, etc. S—49.
- Ames Bonner Co., Toledo, Ohio.** Brushes. L—49.
- Amory, Browne & Co., Boston, Mass.** Cotton goods. S—22.
- Arlington Mills, Boston, Mass.** Dress goods. Q—22.
- Artistic Glass Painting Co., Cincinnati, O.** Stained glass windows. O—33.
- Azure Mining Co., 172 Broadway, New York, N. Y.** Jewelry. D—35.
- Babbitt, B. T., 82 Washington St., New York, N. Y.** Soap. M—45.
- Bailey Co., The, Detroit, Mich.** Novelties in terra cotta. Q—48.
- Bannigan Rubber Co., care of E. R. Rice, 204 Main St., Buffalo, N. Y.** Boots and shoes. J—44.
- Barber Jewelry Co., New York, N. Y.** Jewelry. Q—51.
- Belding Bros., 455 and 457 Broadway, New York.** Manufacturers of the celebrated New Process Art Embroidery Silks; Prize Medal Machine Twist; Sewing, Crochet and Purse Silks; also Satins, Surahs, Serges and Mervelleux. N—42.
- Berry Bros., Detroit, Mich.** Varnishes. R—35.
- Birge Sons Co., M. H., Buffalo, N. Y.** Paper hangings. In Mission Bldg., north of Dairy Bldg.
- Bissell Carpet Sweeper Co., 103 Chambers St., N. Y.** Carpet sweepers. S—48.
- Blake & Co., Charles G., 720 Women's Temple, Chicago, Ill.** Monuments. Q—49.
- Blickensderfer Mfg. Co., Stanford, Conn.** Typewriters. K—44.
- Bliss & Co., A. H., North Attleboro, Mass.** Chain machines. S—21.
- Bommer Bros., 257 Classon Ave., Brooklyn, N. Y.** Spring hinges. M—51.
- Brady, Miss Florence, 607 Macon St., Brooklyn, N. Y.** Embroidery. Q—32.
- Brainerd & Armstrong, New London, Conn.** Spool silk, etc. O—26.
- Bridgeport Gun Implement Co., 318 Broadway, N. Y.** Golf clubs, etc. P—20.
- Bridgeport Wood Finishing Co., New Milford, Conn.** Paint, etc. O—28.
- Brunswick-Balke-Collender Co., 84 Pearl St., Buffalo.** Billiard Tables. L—28.
- Buck Bros., Millbury, Mass.** Tools, etc. P—51.
- Buffalo Mfg. Co., 444 Niagara St., Buffalo, N. Y.** Water filters. N—48.
- Buffalo Oil, Paint & Varnish Co., 1817 Elk St., Buffalo, N. Y.** Oil, paint and varnish. O—37.
- Buffalo Scale Co., Buffalo, N. Y.** Scales. R—38.
- Butterick Publishing Co., 7-17 W. 18th St., New York.** Paper patterns. S—25.
- Cary Safe Co., Buffalo, N. Y.** Safes, etc. S—47.
- Cassidy & Son Mfg. Co., 133 W. 23d St., New York, N. Y.** In Electricity Bldg.
- Cattaraugus Cutlery Co., Little Valley, N. Y.** Cutlery. J—49.
- Century Corset Co., New Haven, Conn.** Corsets. R—40.
- Chamberlain Metal Weather Strip Co., Detroit, Mich.** Weather strips. M—48.
- Chase & Co., L. C., 129 Washington St., Boston, Mass.** Plush goods. L—23.
- Mohair plushes and artificial leather. Manufacturers of goat brand mohair car and furniture plush. Chase artificial leather for all kinds of upholstery work. Three horse head hose blankets and carriage robes.
- Chicago Writing Machine Co., Chicago, Ill.** Typewriters. S—48.
- "The Chicago" typewriter is manufactured by the Chicago Writing Machine Co. of Chicago. It is the typewriter which combines maximum quality with minimum prices.
- Clark & Co., Geo. M., Chicago, Ill.** Gas stoves. P—49.
- Columbia Typewriter Co., New York City.** Typewriters. N—48.
- Corbin Cabinet Lock Co., New Britain, Conn.** Locks, keys, etc. K—48.
- Crompton Co., Providence, R. I.** Corduroys. S—21.

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- Cutler and Son, A., Buffalo, N. Y. Furniture. K—25.
- Dennison Mfg. Co., 301 Ellieott Square, Buffalo, N. Y. Tags, etc. S—40.
- Densmore Typewriter. See United Typewriter & Supplies Co.'s exhibit. K—49.
- Elliott Addressing Machine Co., 100 Purchase St., Boston, Mass. Addressing machines. S—40.
- Enterprise Mfg. Co., of Pa., Philadelphia, Pa. Hardware. K—49.
- Erickson Artificial Limb Co., E. H., Minneapolis, Minn. M—28.
- Esterbrook Steel Pen Co., Camden, N. J. Pens. All visitors should see this handsome exhibit of the world-renowned Esterbrook Pens—embracing every variety to meet the requirements of all writers. J—51.
- Fireproofing Mfg. Co., New York. Fireproof material. Fireproofing, the only perfect fireproofing solution in existence. All woods and any fabrics rendered absolutely fireproof without the slightest injury to color or texture. N—41.
- Fleisher, S. B. & B. W., Incorporated, Philadelphia, Pa. Manufacturers of the celebrated Fleisher's Worsted and woolen yarns, especially adapted for knitting purposes; also Worsted braids of all kinds and widths. M—23.
- Frink, J. B., New York, N. Y. Receptors in Transportation Building.
- Fullayter & Keen, Buffalo, N. Y. Dress goods. O—22.
- Gardner, Mrs. Mary A., Miami, Fla., Jewelry.
- Garner & Co., New York City. Textiles, silks. O—22.
- Gem Cutlery Co., New York, N. Y. Safety razors.
- Globe Woolen Co., 377 Broadway, N. Y. Woolen cloths. N—22.
- Grand Rapids Chair Co., Grand Rapids, Mich. Settees and tables in Michigan State Building.
- Grand Rapids Clock and Mantle Co., Grand Rapids, Mich. Colonial Clock in Michigan State Building.
- Grasselli Chemical Co., The, main office, Cleveland, Ohio. Chemicals. Manufacturers of "Commercial" and "Chemically Pure" chemicals. Principal factories located at Cleveland, Ohio; New York, N. Y.; East Chicago, Ind.; Birmingham, Ala.; Beaver Falls, Pa.; and Titusville, Pa. Sales branches at Cincinnati, Ohio; St. Louis, Mo.; Milwaukee, Wis.; St. Paul, Minn.; and New Orleans, La. M—48.
- Hanan & Son, Brooklyn, N. Y. Boots and shoes. R—26.
- Harding, Whitman & Co., Boston, Mass. Cotton yarns. R—22.
- Hart, Wm. W., 47 E 12th St., N. Y. City. Furs and skins. Q—40.
- Hartshorn Co., Stewart E., Newark, N. J. Shade rollers. P—47.
- Havana Commercial Co., 135 Broadway, N. Y. Cigars. P—35.
- Heinigke & Bowen, New York, N. Y. Stained glass windows. O—33.
- Heller & Mers Co., 55 Maiden Lane, New York, N. Y. Coal tar colors, etc. O—42.
- Herper Bros., Newark, N. J. Jewelry. P—51.
- Herrick & Co., G. W., Lynn, Mass. Boots and shoes. O—30.
- Hibbard-Rodman-Ely Safe Co., New York, N. Y. Exhibit in Mines Building.
- Hoefner, Anselm, Buffalo, N. Y. Soaps. K—46.
- Hyde Fountain Co., Rochester, N. Y. In four corners of building.
- Howard Clock Co., E., Boston, Mass. Tower clocks. P—51.
- Ideal Cash Register Co., Bound Brook, N. J., Buffalo, N. Y. Cash registers. J—47.
- Independent Cordage Co., Toronto, Ont. Cords, etc. R—42.
- Ironclad Mfg. Co., New York, N. Y. Enamelled ware. P—26.
- Kampfe Bros., 8-12 Reade St., New York City. Safety razors. O—40.
- Kahn Tailoring Co., Cor. Meriden and Washington Sts., Indianapolis, Ind. Garments. M—26.
- Keok, Henry, New York, N. Y. Stained glass windows. O—33.
- Kellogg, Spencer, Buffalo, N. Y. Linseed oil. Q—26.
- Kochs Co., Theo. A., Chicago, Ill. Barbers' chairs. Q—40.
- Korn Mfg. Co., Geo. W., Little Valley, N. Y. Razors. J—49.
- Lamb, J. & R., New York, N. Y. Stained glass articles. In Mission Bldg., north of Dairy Bldg.
- Lambert Typewriter Co., 253 Broadway, N. Y. Typewriters. S—42.
- Laird, Schober Co., 19th & Buttonwood Sts., Philadelphia, Pa. Shoes. S—32.
- Larkin Soap Co., Buffalo, N. Y. (Outdoor Bldg.)

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- Long, Adelaide H., New York, N. Y.** Stained glass windows. O—33.
- Lorillard Refrigerator Co., New York, N. Y.** Refrigerators. In N. Y. State Bldg.
- Lorraine Mfg. Co., 53 Leonard St., N. Y., Pawtucket, R. I.** Dress goods. R—23.
- Los Angeles Art Leather Co., Los Angeles, Cal.** Art leather. D—33.
- Lutzy & Mackson, 2 Carlisle St., New York.** Art needle work etc. N—28.
- Maloney Bros., Rochester, N. Y.** Shoes. Q—30.
- Mannion, J. J., Buffalo, N. Y.** Optical goods. P—44.
- Manville Co., Board of Trade Bldg., Providence, R. I.** Dress goods. P—22.
- Macey Co., The Fred, Grand Rapids, Mich.** Bookcases. R—31.
- Marks Adjustable Folding Chair Co., 1140 Broadway, N. Y.** Folding chairs. R—41.
- Maurer, Henry & Son, New York, N. Y.** Terra cotta arches. Outdoor space, near Canada Building.
- Maydole Hammer Co., David, Norwich, N. Y.** Steel hammers. O—39.
- McCallum Silk Co., North Hampton, Mass.** Silk hosiery. G—32.
- McDowell Garment Drafting Co., 6 W. 14th St., New York, N. Y.** Dress making. R—20.
- McHugh & Co., Joseph P., 3 W. 42d St., New York, N. Y.** Artistic furniture and hangings. In N. Y. State Bldg.
- Merts Sons, Geo., Port Chester, N. Y.** Wood mouldings. S—23.
- Milner Seating Co., Canal Dover, Ohio.** Stools, tables, etc. O—51.
- Michigan Chair Co., Grand Rapids, Mich.** Mahogany chairs, Michigan State Building.
- Michigan Stove Co., Detroit, Mich.** Stoves. S—44.
- Mosaic Tile Co., Zanesville, Ohio.** Illinois State Building.
- Muller & Slack, Grand Rapids, Mich.** Divan and chairs in Michigan State Building.
- Mussy Bros., Paterson, N. J.** Colored water paints. S—26.
- National Bronze and Brass Co., 25 W. Broadway, New York, N. Y.** Ornaments. O—40.
- National Cash Register Co., Dayton, Ohio.** Cash registers. O—33.
- Nelson, Matter Furniture Co., Grand Rapids, Mich.** Desk in Michigan State Building.
- New Century Callgraph Typewriter.** See United Typewriter & Supplies Co.'s exhibit. K—49.
- New Domestic Sewing Machine Co., New York, N. Y.** Sewing machines. R—44.
- New York Mills, New York Mills, N. Y.** Onelda Co. Cotton goods. O—20.
- Nineteen Hundred Washer Co., Binghamton N. Y.** Washing machines. N—47.
- Nonotuck Silk Co., Florence, Mass.** Silks. O—51.
- Nonparell Cork Mfg. Co., Bridgeport, Conn.** Laid floor. O—28.
- Northfield Knife Co., Northfield, Conn.** Pocket knives. O—51.
- Northwestern Grass Twine Co., 204 Van Brunt St., Chicago.** Twines, etc. J—25.
- Ohio Tool Co., Columbus, Ohio.** Hand tools. N—51.
- Oliver Bros. Co., Lockport, N. Y.** Brass and iron beds. R—43.
- Oliver Typewriter Co., 253 Broadway, New York, N. Y.** Typewriters. M—47.
- Onelda Community Ltd., Niagara Falls, N. Y., and Kenwood, N. Y.** Hardware, silverware, etc. M—49.
- Oussani Yak, New York, N. Y.** Cigarettes. N—44.
- Oxford Mfg. Co., Oxford, Nova Scotia.** Homespun and tweeds. S—43.
- Oxley & Emos Mfg. Co., New York, N. Y. (N. Y. State Bldg.)** Hanging fixtures for electric lighting.
- Palmer, Isaac E., Middletown, Conn.** Loom. S—28.
Manufacturers of Palmer's Perfection, Arawana, Utopia, and Solitaire Hammocks; Supports; Trapeze Bars; Antifriktion Hitch Hooks for Hammocks; Minnow Nets, and Horse Nettings.
- Pantasote Co., The, 29 Broadway, N. Y.** Leather substitutes. R—42.
- Peace Dale Mfg. Co., Peace Dale, R. I.** Cloth rugs, etc. M—22.
- Phoenix Furniture Co., Grand Rapids, Mich.** In Michigan State Building. Furniture.
- Pike Mfg. Co., Pike Station, N. H.** Sharpening stones. R—47.
Oilstones, scythestones, grindstones, razor hones, emery and corundum stones and wheels, polishing powders, etc. World's headquarters for sharpening and grinding stones and material of all kinds and for all purposes. Gold medal, Paris, 1900.

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- Pittsburg Plate Glass Co.,** Hudson and Van Dam Sts., New York, N. Y. Glass. S—37.
- Pittsburg Reduction Co.,** Niagara Falls, N. Y. Aluminum. J—46.
- Plant, Thos. G.,** Center & Bickford Sts., Boston, Mass. Shoes. S—25.
- Pratt & Letchworth,** Buffalo, N. Y. Malleable Iron, etc. O—49.
- Pugl Bros.** Statuary.
- R. & G. Corset Co.,** 361 Broadway, N. Y. Corsets. S—47.
- Regal Textile Co.,** Utica, N. Y. Knit underwear. B—31.
- Revillon Freres,** 13-15 W. 28th St., New York, N. Y. Furs. R—21. Importers, exporters, manufacturers of high class novelties and staple goods in fur and fur-lined garments. Members of jury at Paris Exposition, 1900. Hors concours (beyond competition).
- Rockwell & Rupel Co.,** Chicago, Ill. Pan-American office furniture.
- Robinson Fur Co.,** Buffalo, N. Y. Furs. O—36.
- Rodriguez, Salvador,** New York, N. Y. Cigars. P—35.
- Roessler & Hasslacher Chemical Co.,** The, New York. Manufacturing chemists. Acetone, Chloroform, Cyanide, Caffeine, Cocaine, Coumarine, Pilocarpine, Ceramic Colors (enamel and underglaze), Liquid Bright Gold, Platinum, Silver, Sulphur Dioxide, Buratylene, Peroxide of Sodium. L—49.
- Rowe Knitting Co.,** W. H., 79 Franklin St., New York, N. Y. Knit underwear. O—23.
- Russits Fur Company, John,** 73-75 Mercer St., New York. Furs, skins, etc. A complete stock of the Russits furs can be seen at Flint & Kent's, 554-562 Main St., Buffalo, where all orders for present or future delivery will receive careful attention. L—22.
- Sanchez & Haya,** New York, N. Y. Cigars. P—35.
- Schoellkopf, Hartford & Hanna Co.,** Buffalo, N. Y. Chemicals. B—49.
- Seabury & Johnson, Maiden Lane,** New York. Surgical instruments. Q—41.
- Shantz & Co.,** M. B., Rochester, N. Y. Buttons. K—25.
- Singer Sewing Machine Co.,** New York, N. Y. Embroidery. J—31.
- Slade & Hicks,** Chicago, Ill. Paper. M—24.
- Smith Premier Typewriter Co.,** Syracuse, N. Y. Typewriters. B—46.
- Standard Paint Co.,** 81 John St., New York City. Paints, fireproof materials. Separate building, north of Grange Bldg.
- Standish Worsted Co.,** The, Plymouth, Mass. High grade cloth. N—23.
- Stanley Works,** New Britain, Conn. Hardware. O—49.
- Stern Bros. & Co.,** 68 Nassau St., New York, N. Y. Diamond cutting. K—33.
- Taylor Silk Mfg. Co.,** 16 Bridge St., Paterson, N. J. Silk. S—31.
- Todd, Bancroft & Co.,** Rochester, N. Y. Boots and shoes. Q—33.
- Union Bag & Paper Co.,** Fisher Bldg., Chicago, Ill. Paper bags, etc. S—27.
- United Shoe Machinery Co.,** Albany Bldg., New York, N. Y. Shoe machines. Q—30.
- United Typewriter and Supplies Company,** 316 Broadway, New York, N. Y. Standard typewriters and supplies. K—49.
- United Typewriter and Supply Co.,** 21 Niagara St., Buffalo, N. Y. Typewriters. M—45.
- Wagner Mfg. Co.,** Sidney, Ohio. Iron hollow ware. S—40.
- Wagner Typewriter Co.,** 220 Broadway, New York, N. Y. Typewriters. Q—42.
- Wanskuck Mills Co.,** Providence, R. I. Textiles, etc. P—23.
- Waterman Fountain Pen Co.,** L. E., New York, N. Y. Fountain Pens. S—42.
- Weingarten Bros.,** New York, N. Y. Corsets. L—26. Nos. 377 and 379 Broadway, New York Corsets. "W. B." and "La Vida" corsets. The largest corset manufacturers in the world.
- Wemp Co.,** J. C., New York, N. Y. Window shades. S—24.
- Whitehead & Hoag, Cor. Wash. & Warren Sts.,** New York, N. Y. Badges, etc. R—28.
- Whitman & Co.,** Clarence, 39 Leonard St., New York, N. Y. Textiles. Fine white cotton dress goods, plain and fancy weaves. "Nottingham Lace" curtains and nets. Bed spreads, white and colored hemmed and fringed. J—20.
- Williams Co.,** J. B., Glastonbury, Conn. Soaps. Q—40.

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Williams Mfg. Co., The, Ltd., Montreal, Canada, and Plattsburg, N. Y., Wellington No. 2 Typewriter. N.
Wilke Mfg. Co., Anderson, Ind. Refrigerators. Q—45.
Wirt, Paul E., Bloomsburg, Pa. Fountain pens. O—25.
Wood Mosaic Co., care of George A. Stevens, 575 Ellcott Sq., Buffalo, N. Y. Parquette floor. S—38.
Wyckoff, Seaman & Benedict, New York, N. Y. Remington Standard Typewriter. J—26.
The recognised standard of the world. Recent International Expositions awarded Grand Prize (highest award) Brussels, 1897; Diploma of Honor (highest award) Luxembourg, 1898, Ghent, 1899; Grand Prize, Paris, 1900.
Yost Typewriter. See United Typewriter & Supplies Co.'s exhibit. K—49.

MEXICO.

Aboltis, Manuel, Salamanca, Guanajuato. Gloves.
Acosta, Simon, Tulancingo, Hidalgo. Scales.
Aguilar, Angela, Pachuca, Hidalgo. Embroidery.
Aispurdi, Alberto, Mexico. Toilet articles. D—F.
Alarcon, Filiberto, Huasalingo, Hidalgo. Cigars.
Aleman, Fernando, Morelia, Michoacan. Drugs.
Arosa, A., Teoloyuca, Mexico. Cushions.
Arriaga, Joaquin, Morelia, Michoacan. Cigarettes.
Avila, Anselmo, E. Hijo, Mexico. Toilet articles. D—F.
Aviles, Manuel, Salamanca, Guanajuato. Gloves.
Ayuntamiento de Tequixquidpan, Querataro. Chairs.
Barragan, Maria, Zacatecas. Embroidered handkerchief.
Barragan, Sebastian, Santa Ana Chilautempan, Flaxcala. Woolen sarapes.
Basallo, Vicente, Mexico. Pharmaceutical products. D—F.
Belas, Hermanos, Veracruz. Cigars.
Bueno Barroso Arias, L., Tajimaroas, Michoacan. Cotton goods.
Burgas, Senoritas, Querataro. Embroidered handkerchiefs.
Bustillos, Jose E., Mexico. Chemical products. D—F.
Carandente, F., Tacubaya. Bronze statue. D—F.
Carrasco, Vicente, Otumba, Mexico. Syrup balsam.
Carrillo, Francisca, Guanajuato. Embroidered handkerchiefs and veil.
Casas, D., San Juan Bautista, Tabasco. Cigars.
Castanos, Guadalupe, Mazatlan Sinaloa. Embroidery.
Casares, N., Otumba, Mexico. Pharmaceutical products.
Chambon, Hipolito, Mexico. Mexican silks and shawls. D—F.
Coeto, Manuel, Puebla. Colored glass.
Colegio de Santa Teresa, Toluca, Mexico. Embroidery.
Commission of Parasitologia, Mexico. Chemicals and drugs. D—F.
Compania Cigarrera Mexicana, Mexico. Cigars and cigarettes. D—F.
Compania Industrial de Orizaba, Veracruz. Cotton goods.
Compania Industrial Manufacturera de Monterey, Nuevo Leon. Tiles.
Compania Manufactura de Orizaba, Veracruz. Jute goods.
Compania Mexicana Manufactura San Manuel, Flaxcala. Cotton goods and muslins.
Cornu, Pedro, Aguascalientes. Cassimeres.
Corvera y Corona, Guadalajara, Jalisco. Pharmaceutical products.
Delius y Compania, Ixtapa Concepcion, Tepic. Cigars.
Dominguez, Sinfiriano, Comitán, Chiapas. Bed cover.
Elle, Paul, Mexico. Drugs. D—F.
Elle, Paul, Mexico. Square. D—F.
Espinosa, Felix M., Mexico. Medicinal products. D—F.
Evla, Jose Maria, Campeche. Cigarettes.
Fernandez, Juana, Zacatecas. Foot cover.
Fletes, Amado, Tepic. Cigars.
Fleury, Enriqueta E. De, Mexico. Embroidery.
Galvan de Lostroes, Josefa, Mexico. Busts. D—F.
Garcia, Esteban, Colima. Cigars.
Garcia, Maria, Mexico. Screen. D—F.

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- García, Martín, Tulancingo, Mexico.** Cotton and woolen goods.
- Garza, Juana De La, Guerrero, Tamaulipas.** Counterpane.
- Garza, Lorenzo de L., Ciudad Victoria, Tamaulipas.** Quilt.
- Gobierno de Durango.** Carpets.
- Gobierno de Durango.** Cassimeres.
- Gobierno de Zacatecas.** Mexican shawls (rebozos).
- Gobierno de Zacatecas.** Woolen sarapes.
- Gobierno de Yucatan, Merida.** Hammock.
- Gomez, Piedad, Guanajuato.** Cloth.
- Gomez, Rita, Colima.** Napkin.
- Gonzales, Hermanos, San Juan Bautista, Tabasco.** Cigars.
- Gonzalez, Eusebio, Guanajuato.** Cassimeres.
- Gonzalez, Gregorio, Merida, Yucatan.** Cigars and cigarettes.
- Guerrero, Ignacio, E. Hijos, San Luis Potosí.** Mexican shawls (rebozos).
- Guiard, Enrique, Zirisiuaro, Michoacan.** Ceramic goods.
- Hermínia, Charles, Coahuila.** Drawn linen work.
- Hinojosa, Josefina, Mexico.** Screen. D—F.
- Holek, C. y Compania, Monterrey, Nuevo Leon.** Matches.
- Hurtado, María, Zacatecas.** Foot cover.
- Isla, Aurelia, Zacatecas.** Handkerchief.
- Jacques, S. & J., Celaya, Guanajuato.** Undershirts.
- Jaspeado, Ruperto, Texcoco, Mexico.** Silks, fabrics.
- Journel, María, Zacatecas.** Bureau cover.
- Juambels, Hermanos, Sucesores, Durango.** Woolen goods.
- Junta de Senoras, Cuernavaca, Morelos.** Pillow case, embroidered quilt.
- Junta Local de Puebla, Puebla.** Hat.
- Junta Local de Pueblo, Pueblo.** Bust in bronze.
- L. Tajimaroa Bueno Barroso Arias, Michoacan.** Cotton fabrics.
- "La Concordia" Fabrica, Chihuahua.** Blankets and cassimeres.
- La Industrial (Sociedad Anonima) Merida Yucatan.** Hemp goods.
- Lansagorta Hermanos, San Blas, Tepic.** Cigars.
- "La Paz" Gran Fabrica de ropa (Sociedad Anonima), Chihuahua.** Men's shirts.
- "La Paz," Sociedad Anonima, Chihuahua.** Counterpane.
- Lasso de la Vega, J. M., Mexico.** Febrifuge. D—F.
- Leon, Juan, Texcoco, Mexico.** Cassimeres.
- Leyarish, Jose, Leon, Guanajuato.** Leather goods.
- Lion, Eugenia, Aguascalientes.** Drawn linen work.
- Llerena, Tecla, Colima.** Napkin.
- Lopez, Felipa, Mocorito, Sinaloa.** Vell.
- Lucarra, Emilia, Hermosillo, Sonora.** Drawn linen work.
- Madrado y Corrales, Veracruz.** Cigars.
- Mais, Hermanos, Monterey, Nuevo Leon.** Hats.
- Marnat, Paul, Mexico.** Cuffs, collars and shirts. D—F.
- Mestas, Anastasio, Mexico.** Brass beds. D—F.
- Moebius, Guido, Monterey, Nuevo Leon.** Matches, candles.
- Moreno, Romulo, Valle de Santiago, Guanajuato.** Cigarettes.
- Morentin, Paulo, Colima.** Napkin.
- Morán, Antonio, Aguascalientes.** Cigars and cigarettes.
- Morgado, María, Zacatecas.** "Schachet."
- Navarro, Juan, Mexico.** Brass Bed. D—F.
- Nieto (Jose de Jesus) E. Hijo, Puebla.** Gold and silver trimmings.
- Nuncio, Miss Gertrudis, Mexico.** Drawn linen work. D—F.
- Nuncio, Miss Otilia, Mexico.** Drawn linen work. D—F.
- Ollivier, D. y Compania, Flanapantla, Mexico.** Percale goods.
- Ontiveros, Piedad, Guanajuato.** Embroidery.
- Penitenciaría Del Estado de Nuevo Leon, Monterey.** A comb.
- Penitenciaría del Estado de Nuevo Leon, Monterey.** Baskets, purses.
- Penitenciaría del Estado de Nuevo Leon, Monterey.** Collars.

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- Peres, Reguera Luis, Oaxaca.** Cigarettes.
- Plego, Hermanos, Toluca, Mexico.** Cotton fabrics.
- Ramires, Jose G., Villa Alta, Oaxaca.** Pita hammock.
- Ramos, Concepcion, Oaxaca.** Cushion.
- Ramos, Evaristo, Morelia, Michoacan.** Shoes.
- Reyes, Manuel Duron, Ayuas Galientes.** Cassimeres and woolens.
- Reyes, Senorita Carmen, Puebla.** Fancy articles.
- Rivers, Mauricio, Mexico.** Shoe lasts. D—F.
- Rivero, Valentin, Sucesores, Nuevo Leon.** Cotton goods.
- Robledo, Eulolia, Mocorito, Simaloa.** Hook weaved napkin.
- Robles, Francisco, Colima.** Cigars.
- Rodriguez Samano, Francisco, Morelia, Michoacan.** Cigarettes.
- Rosado, Desiderio G., Comalcalco, Tabasco.** Medicinal products.
- "Saint Manuel River Fall," Fabrica.** Tlaxcala. Cotton goods.
- Salas Herrero, Ismael, San Luis Potosi.** Wooden mosaic furniture.
- Sanchez, Carmen, Tuxtla Gutierrez Chiapas.** Weaving hook.
- "San Ildefonso" (sociedad Anonima), Flanepantla, Mexico.** Carpets and mats.
- "San Ildefonso" (sociedad Anonima), Flanepantla, Mexico.** Woolen goods.
- "Santa Gertrudis" Compania Manufacturera De Yute, Orizaba, Veracruz.** Jute goods.
- Santos, Rafael, Zacatlan, Puebla.** Mexican shawls (rebozos).
- Silva de Gutierrez, Otilia, Aguascalientes.** Drawn linen work.
- Solis, Dario J., Otumba, Mexico.** Medicinal products.
- Stiker, Valentin, y Hermanos, Aguascalientes.** Carpets.
- Suarez, Eduardo, Texcoco, Mexico.** Woolen zarapes.
- Tolsa, Manuel C., Mexico.** Mexican onyx goods. D—F.
- Vasquez, Cipriano, Mazatlan, Sinaloa.** Cigars.
- Vasquez, Monico, Valle de Bravo, Mexico.** Silk skeins.
- Von Gehren, Edmundo, Zacatecas.** Birch furniture.
- Villa Hermanos, Sucesores, Orizaba, Veracruz.** Cigarettes.
- Villada de la Pena, Guadalupe, Toluca, Mexico.** Embroidery, muffler.
- Zavala, Francisco, Puebla.** Chairs.
- Zeniso, Christobal, Puebla.** Shoes.
- Zolly, Hermanos, Mexico.** Hats. D—F.
- Zorilla, J. y Compania, Oaxaca.** Cotton fabrics.

INTERIOR COURT EXHIBITORS.

Art Manufactures.

Collective Exhibit of Buffalo Women's work. Arts and craft.

Glina Fuldner, Minerva P. Lytle, Giulia Regoli, Sara Hadley, Lizzie Heeman, Jennie M. Hayden, Edith Sterling Nichols, Mrs. E. O'Donnell, Hannah M. Herbert, Mrs. E. L. Humphrey, Miss Matilda Middleton, Miss Florence Hart Miner, Mrs. LeRoy T. Steward, Mrs. J. B. McCrystle, Miss Helen M. Topping, Miss Mary A. Phillips, Mrs. F. M. Sessions, Miss Eva E. Adams, Mrs. A. A. Frazee, Mrs. B. L. Frazer, Miss Mary Alden, Mrs. Henrietta F. Zeublin, Miss Grace H. Peck, Miss Mabel C. Dibble, Miss Lillie E. Cole, Mrs. E. S. Bailey, Mrs. W. W. Foggo, Mrs. W. H. Klapp, Miss Amy C. Townsend, Mrs. Sarah Weber, Mary Lawrence, Mrs. Thomas Henning, Miss Emma D. Dakin, Mrs. C. F. Richert, Mrs. George C. King, Miss L. Garretson, Miss Ella Newton, Miss E. Grace Milson, Mrs. Mary West Stickney, Mrs. Mary A. Clarke, Mrs. Ella F. Coombs, Mrs. Kate Wildemuth, Miss Minnie Beamer, Mrs. Allen E. Day, Mrs. Sarah B. Scott, Anna A. Thompson, Mrs. Frank J. Shuler, Miss Charlotte Pendleton, Mrs. L. W. Boss, Mrs. May Hundly Bowly, Josephine Klippart, Herminia Davila, Augustina T. Zumbado, Mrs. Grace Huntington Buckland, Laura C. Wiley, Mrs. A. J. Haines, Mrs. Dorothea Friedman, Florence C. Davis, Mrs. J. A. Hall, Henrietta C. Schuetz.

Copper Queen Consolidated Mining Co., New York, N. Y. Copper and brass goods.

Cutler & Girard, New York, N. Y. Art furniture. M—25.

Drake Co., The, St. Paul, Minn. Petrified wood table tops.

Gorham Mfg. Co., New York, N. Y. Silverware. G—37.

Grueby-Faience Co., Boston, Mass. Pottery.

National Art Club, 37 W. 23d St., New York, N. Y. Collective exhibit, arts and craft.

National Fine Arts Foundry, 218 E. 25th St., New York, N. Y. Statues in bronze.

National League of Mineral Painters. Decorated china and pottery.

Rohlf, Charles, Buffalo, N. Y. Art furniture.

Rookwood Potteries, Cincinnati, Ohio. Pottery.

Singer Mfg. Co., New York, N. Y. Embroidery.

Sloane, W. & J., Broadway and 19th St., New York. House furnishings, imported and domestic carpets and rugs, upholstery, classic furniture, decorations. Established 1843, New York and San Francisco. G—39.

Stickley, Gustave, Syracuse, N. Y. Fancy wood and leather work.

Tiffany Studios, New York, N. Y. Favrille and other glass. L—39.

Tiffany & Co., New York, N. Y. Jewelry, etc.

NATIONAL ART CLUB EXHIBITORS.

Ainsley, Oliver, 939 8th Ave., New York City. Design for glass window.

Albee, Mrs. John, Providence Art Club, Providence, B. I. Rugs.

Amaden, Harriet, 105 E. 17th St., New York City. Pillow cover, copper bowl.

Andrews, Harriet W., 119 E. 23d St., New York City. Panel.

Artist Frederic MacMonnies. Bacchante, Boy and Heron, Venus and Adonis, Running Cupid, large Shakespeare.

Artist Henry M. Shrady. Buffalo, Moose.

Artist Max Bachmann. Bust, faun, Bust, Indian.

Artist Mrs. Chlo Bracken. Lotus Flower, figure, the Pearl, dancing figure, statuette, dancing figure, Sea Nymph, figure, the Wave.

Artist Beattie Potter. Group the Mother, figure dancing girls.

Artist H. Lindner. Pair andiron, the Blowers, Bust, Morning; Bust, Evening.

Artist Hinston Perry. Bronze, Lion in Love.

Artist MacDonald. Bust, Washington.

Artist Storck. Walking lion.

Artist Wolfram. Elephant.

Bailey, Corot, 33 LaGrange St., Boston, Mass. Mosaic window.

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- Barnard, Miss Josephine Ways, 25 W. 84th St., New York City.** Embroidery.
- Baylor, L. Drawings.**
- Benson, Mrs. Mac, 25 W. 34th St., New York City.** Designs on silk, linen cotton, paper, etc.
- Berea College, Berea, Ky.** Table cover, frame of photographs.
- Bierach, S. Jr., 246 Fulton St., Brooklyn, N. Y.** Frame book cover.
- Blackmore, Arthur C.** Panel, photographs, etc.
- Boone, C. L., Montclair, N. J.** Design candlestick.
- Bowcomb, Jennie, 7 W. 28th St., New York City.** Design for mural painting.
- Brady, Miss F., Brooklyn, L. I., N. York.** Embroideries.
- Brown, Harold H., 60 W. 13th St., New York City.** Book cover designs.
- Brown, Weed.** Painting.
- Brownson, Mary R., 49 Garden Place, Brooklyn, N. Y.** Decorative studies, silk designs, bookcover designs.
- Buckley, W. E.** Books.
- Bulger, W., Chicago, Ill.** Bowl and jars.
- Bush-Brown, H. K., 107 E. 27th St., New York City.** Bronze statues.
- Busek Studios, 29 E. 20th St., N. York City.** Copper plaque.
- Butterworth, Mrs. Henry, 939 8th Ave., New York City.** Letter box.
- Clarke, Thos. S., 50 Riverside Drive, New York City.** Andirons.
- Clinton, H. Jennie, Ridgewood, N. J.** Book cover design.
- Cockcroft, Edward T., 369 5th Ave., New York City.** Design for fire screen.
- Cornwell, Martha J., 152 W. 57th St., New York City.** Photographs.
- Crouch, R. Wair, 16 5th Ave., New York City.** Clock face.
- Crownfield, Mrs. David, 111 Tremont Bldg., New York City.** Wax models.
- Curtin, Mr., 10 E. 30th St., New York City.** Burned wood, chest screen, panels.
- DeMarest, Miss Florence, 7 E. 15th St., New York City.** Terracotta jars.
- Denby, Edwin H., 9 E. 31st St., New York City.** Pictures.
- The Deerfield Soc. of Blue and White Needlework, Deerfield, Mass.** Mats, table covers.
- Drake, Miss Millicent, 305 S. 41st St., Philadelphia, Pa.** Burnt wood chest.
- Dreannan, Miss Eunice, Teachers' College, New York City.** Curtain.
- Eiler, E., 751 St. Mark's Ave., Brooklyn, N. Y.** Panels.
- Eppendorf, Lina, 193 Adelphi St., Brooklyn, N. Y.** Straw baskets.
- The Evelyn Nordhoff Bindery, 114 E. 23d St., New York City.** Leather curtain.
- Forbes, Miss Harriet Kieith, Carnegie Hall, New York City.** Pair of bellows, tray, portfolio, jug.
- Fosdick, J. William, 24 E. 28th St., New York City.** Large panels, Joan of Arc.
- Fowler, Carlton C., 72 W. 45th St., New York City.** Design for magazine cover.
- Francis, Miss Sarah, 132 E. 23d St., New York City.** Grass work baskets.
- Franklin, J. F., 30 Central Park South, New York City.** Book covers.
- French, Edwin D., Saranac Lake, N. Y.** Design of book plates.
- Froelich, Hugo, 208 Washington Ave., Brooklyn, N. Y.** Oak mirror frame with attached small cabinet, tray burnt and stained wood, jewel casket.
- Fry, Marshall, 36 W. 24th St., New York City.** Porcelain vase.
- Gotthold, Mrs., New York.** Illuminated volumes, vellum.
- Grueby Faience Co., 2 A Park St., Boston, Mass.** Case containing pottery vases, peacock medallion, coat of arms tile.
- Grubenbecker, H., 418 W. 27th St., New York City.** Reliefs, wooden panels.
- Harley, Chas. R., 145 E. 23d St., New York City.** Statuettes in bronze.
- Heller, Miss E. M., 58 W. 57th St., New York City.** Burnt and carved wood, frame pine, carved and gilded, table book racks with carved end.
- Hills, Laura Cowes, 320 Boylston St., Boston, Mass.** Medallions.
- Jaeger, Henry, 145 E. 26th St., New York City.** Mural designs.
- Joy, Miss, studio 3 Park St., Boston, Mass.** Punch bowl and stand.
- Kellogg, Dwight.** Burnt wood, work box, wooden panels, nut bowl.
- Kretsel, Miss E., 196 E. 7th St., New York City.** Wall paper design.

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- Leavitt, Chas. W.**, 15 Cortlandt St., New York City. Landscape pictures.
- Lens, Alfred.** Figure wax.
- Leonard, Mrs. Anna B.**, 28 E. 23d St., New York City. Plate gilded, porcelain gilded chocolate set.
- Locke, Alexander S.**, 46 Montgomery Place, Brooklyn, N. Y. Stained glass window designs.
- Loeffler, M.**, 268 Market St., Newark, N. J. Flower panel, carved in wood; flower panel, wood carved vase in oak.
- Longstretch, Margaret.** 939 8th Ave., New York City. Color design for decoration, colored dry point.
- Loomis, Chester.** 96 5th Ave., New York City. Study for window.
- MacConnell, Miss Sarah.** 226 W. 75th St., New York City. Framed book cover design.
- Malone, Blondelle.** 46 W. 55th St., New York City. Book covers.
- McHugh, Jos. P.**, 5th Ave. and 42d St., New York. The mission work, duet bench, slipper chair, bed chamber chair, mission chiffonier, mission tabourette, mission night table, mission night lamp.
- McKay, Edwin Murray.** 105 E. 17th St., New York City. Design, the Haberdasher.
- McNeil, Mrs. H. A.** Samovar.
- Morse, Elsie.** 203 W. 133d St., New York City. Design for ink stand.
- Myers, Miss Flora B.**, 2350 Eutaw Place, Baltimore, Md. Panels.
- Neal, Mrs. Mary A.**, 1425 Broadway, New York City. Coffee set.
- Nedwill, Miss Elizabeth A.**, New York City.
- Nott, Eunice Evelyn.** 80 Willoughby St., Brooklyn, N. Y. Casket leather and copper.
- O'Brien, Madeline.** 194 Clinton St., Brooklyn, N. Y. Moresque window, window study.
- Orr, Katharine O.**, Montclair, N. J. Pottery.
- Paris, W. F.**, 315 Fifth Ave., New York City. Designs, black and white and water color.
- Pitkin, E. Josephine.** 472 West End Ave., New York City. Pastel.
- Poillon, Mrs.**, 125 E. 7th St., New York City. Chinaware, pottery.
- Pond, Theodore Hanford.** 11 Hamilton Place, Boston, Mass. Design for dining room wall decoration, design for magazine cover, cartoon for stained glass.
- Pratt, Rosina.** 37 W. 22d St., New York City. Leather three fold screen, material oak frame.
- Richardson, K.**, 349 Fifth Ave., New York City. Book covers.
- Ripley, The Misses.** 434 Fifth Ave., New York City. Leather screen.
- Robertson, Emma.** 538 W. 159th St., New York City. Victoria hand-made lace drapery.
- Robineau, Mrs. Adelaide Alsop.** 114 E. 23d St., New York City. Vases.
- Rogers, Miss Mary.** Teachers' College, New York City. Design for mosaic, burnt wood panel.
- Rowell, Miss Fanny.** Gilded plate.
- Ryerson, Miss May M. L.**, 34 Franklin St., Morristown, N. J. Photograph of plaster relief.
- Sacker, Miss Annie M.**, 1479 Beacon St., Brookline, Mass. Books.
- Simms, Florence I.**, 431 E. 87th St., New York City. Designs for stained glass window.
- Sperry, Edward S.**, 3 W. 29th St., New York City. Cartoon for colored glass window.
- Power, A. C. H.** Bronzes.
- Uhl, Margaret C.** 256 4th Ave., New York City. Embroidered centre-piece, material, linen, silk, lace.
- Volkmar, Chas.**, Corona, L. I. Decorative panels.
- Walker, Miss Florence.** 275 Claremont Ave., Brooklyn, N. Y. Dyed and burned decorations on heavy velvet.
- Wedwill, Elizabeth A.**, 322 West End Ave., New York City. Mosaic designs for vestibule.
- Weinert, Albert.** sculptor, 218 E. 25th St., New York City. Small portrait medallion.
- Whiting, Pauline.** 56 W. 65th St., New York City. Burned and stained leather.
- Whitridge, Miss Olive.** 119 W. 52d St., New York City.
- Williams, John.** 556 W. 27th St., New York City. Bronze foundry, bronze group.
- Yandell, Miss Enid.** Bronze tankard.

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Organs, Musical Instruments, Books, Scientific Apparatus,
Medical and Surgical Apparatus, Social Economy,
Sanitary Wares, Boards of Health, Hospitals,
Crematories, Charities.

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EDUCATION.

Agricultural and Mechanical College, Greensboro, North Carolina. Photographs.

Albany Business College, Albany, N. Y. Established forty-four years. Received Gold Medal awards for superiority in Commercial Training at Paris, 1900, and Chicago, 1893. Twenty-two teachers. Send for Catalogue. F—25.

Art Institute, The, Chicago, Ill. Drawings, designs and photographs.

Art Students' League, The, Buffalo, N. Y. Drawings. F—25.

Associate Collegiate Alumnae, Buffalo, N. Y. Charts, photos, etc.

Atlanta University, Atlanta, Georgia. Photographs.

Baron de Hirsch Agricultural & Industrial School, Woodbine, N. J. Photos, students' work. F—25. Model institution for secondary education. Grand Prix at Paris Exposition, 1900. Care of the children. Card system. Course of study. Model lessons in practical agriculture.

Belding Bros. & Co., New York. Instruction in Art; pupils' work.

Berea College, Berea, Kentucky. Photographs.

Board of Education, Buffalo, N. Y. Photos, reports, etc. F—25.

Board of Education, Casenovia, N. Y. Reports. F—25.

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Board of Education, Nashua, N. H. Reports. F—25.

Board of Education, Newark, N. J. Reports. F—25.

Board of Education, Pasadena, Cal. Pupils' work.

Board of Education, Paterson, N. J. Reports. F—25.

Board of Education, Pomona, Cal. Pupils' work in various grades.

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- Board of Education, Portland, Oregon.** Pupils' work.
- Board of Education, Providence, B. I.** Pupils' work.
- Board of Education, Springfield, Mass.** Reports. F—25.
- Board of Education, St. Louis, Mo.** Reports. F—25.
- Board of Education, Utica, N. Y.** Reports. F—25.
- Board of Education, Worcester, Mass.** Reports. F—25.
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- Bryant & Stratton Business College, Buffalo, N. Y.** Unrivaled advantages for technical business training in bookkeeping, office methods, shorthand, typewriting, etc. Resident or correspondence courses. Established 47 years. New building, handsomely equipped. Visitors welcome. No. 95 West Genesee St. F—25.
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- Buffalo Commercial & Electro-Mechanical Institute, The, Buffalo, N. Y.** Students' work. F—25.
- Buffalo Seminary, Buffalo, N. Y.** Photographs, charts, etc.
- Bryn Mawr College, Bryn Mawr, Pa.** Reports. F—25.
- Cazenovia Academy, Cazenovia, N. Y.** Photos, etc.
- Chicago High Schools, Chicago, Ill.** Drawings.
- Claffin University, Orangeburg, South Carolina.** Photographs.
- Clark University, Worcester, Mass.** Photos, etc. F—25.
- Colby College, Waterville, Maine.** Photos.
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- Columbian Institution for the Deaf, Washington, D. C.** Photographs, charts, etc.
- Columbia University, New York City.** Publications, library, etc. F—25.
- Cornell University, Ithaca, N. Y.** Publications, charts, photographs, etc.
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Insane, Southern Indiana State Hospital for, Evansville, Ind. Photographs.
Insane, St. Lawrence State Hospital for, Ogdensburg, N. Y. Photographs.
Insane, Utica State Hospital for, Utica, N. Y. Photographs.
Insane, Willard State Hospital for, Willard, N. Y. Photographs.

Insane, Worcester Hospital for, Worcester, Mass. Photographs.

PUBLIC HEALTH.

Abbott, Dr. Samuel W., Boston, Mass. Photographs, charts, diagrams on Public Hygiene in the United States.
Alexander, Dr. H. M., Marietta, Pa. Vaccine.
American Climatological Association, Philadelphia, Pa. Reports.
American Public Health Association, Columbus, Ohio. Publications.
Bath Department, Boston, Mass. Photographs.
Bath House Committee, Brookline, Mass. Photographs; plans.
Board of Health, Boston, Mass. Photographs, circulars and charts.
Board of Health, Brookline, Mass. Photographs.
Board of Health, Buffalo, N. Y. Photographs, charts and statistics.
Board of Health, California State, Sacramento, Cal. Reports.
Board of Health, Cambridge, Mass. Reports; photographs.
Board of Health, Charleston, S. C. Reports.
Board of Health, Chicago, Ill. Photographs, reports, etc.
Board of Health, Cincinnati, Ohio. Reports.
Board of Health, Cleveland, Ohio. Reports.
Board of Health, Colorado State, Denver, Colo. Blanks, charts, etc.
Board of Health, Connecticut State, Hartford, Conn. Charts, maps, reports.
Board of Health, Delaware State, Dover, Del. Reports.
Board of Health, Detroit, Mich. Reports.
Board of Health, Florida State, Tallahassee, Fla. Reports.
Board of Health, Indiana State, Indianapolis, Ind. Reports, circulars, etc.
Board of Health, Iowa State, Des Moines, Iowa. Reports.
Board of Health, Kansas State, Topeka, Kan. Reports.
Board of Health, Kentucky State, Frankfort, Ky. Reports.
Board of Health, Maine State, Augusta, Me. Reports, charts, circulars, etc.

The Pan-American Official Catalogue and Guide.

- Board of Health, Maryland State,** Baltimore, Md. Reports, circulars, etc.
- Board of Health, Massachusetts State,** Boston, Mass. Maps, charts, reports, photographs.
- Board of Health, Michigan State,** Lansing, Mich. Maps, charts, reports.
- Board of Health, Milwaukee, Wis.** Reports.
- Board of Health, Minnesota State,** St. Paul, Minn. Reports.
- Board of Health, Missouri State,** Kansas City, Mo. Reports.
- Board of Health, National,** Washington, D. C. Reports.
- Board of Health, Newark, N. J.** Reports.
- Board of Health, New Hampshire State,** Concord, N. H. Reports, circulars.
- Board of Health, New Jersey State,** Trenton, N. J. Maps, charts, reports, photographs.
- Board of Health, New Orleans, La.** Maps, charts.
- Board of Health, New York, N. Y.** Reports.
- Board of Health, New York State,** Albany, N. Y. Publications, statistics, methods.
- Board of Health, Ohio State,** Columbus, Ohio. Reports, charts.
- Board of Health, Oklahoma Territory,** Oklahoma. Reports.
- Board of Health, Paterson, N. J.** Photographs, reports.
- Board of Health, Pennsylvania State,** Harrisburg, Pa. Photographs, charts, reports.
- Board of Health, Philadelphia,** Pa. Maps, charts, photographs, reports, apparatus.
- Board of Health, Pittsburgh, Pa.** Maps, charts, photographs, reports and biological products.
- Board of Health, Providence, R. I.** Maps, charts, reports.
- Board of Health, Reading, Pa.** Reports.
- Board of Health, Rhode Island State,** Providence, R. I. Charts, maps, reports.
- Board of Health, San Francisco,** Cal. Reports.
- Board of Health, South Carolina State,** Charleston, S. C. Reports.
- Board of Health, St. Louis, Mo.** Maps, charts, reports.
- Board of Health, St. Paul, Minn.** Maps, charts, reports.
- Board of Health, Vermont State,** Montpelier, Vt. Charts, maps, photographs, reports.
- Board of Health, Washington, D. C.** Reports.
- Board of Health, Washington State,** Seattle, Wash. Reports.
- Board of Health, Wisconsin State,** Madison, Wis. Reports.
- Board of Health, Worcester, Mass.** Photographs, reports.
- Buffalo Society for the Prevention of Tuberculosis.** Charts, statistics.
- Connecticut Agricultural Experiment station,** New Haven, Conn. Reports.
- Dairy Commission, Trenton, N. J.** Reports.
- Dairy & Food Division, Michigan State Department of,** Lansing, Mich. Reports.
- Department of Agriculture, Bureau of Animal Industry.** Washington, D. C. Reports.
- Department of Agriculture, Division of Chemistry,** Washington, D. C. Reports.
- Department of the Interior, Census Bureau,** Washington, D. C. Reports, charts.
- Department of State, Massachusetts,** Boston, Mass. Reports of registration.
- Department of the Treasury, U. S. Marine Hospital Service.** Reports, pamphlets.
- Pocono Laboratories, The Dr. Richard Slee,** Swiftwater, Pa. Vaccine.
- Quarantine Station, Port of New York, Staten Island, N. Y.** Models, photographs, charts.
- Street Cleaning Department, Boston, Mass.** Photographs.
- Street Cleaning Department, New York, N. Y.** Photographs.
- Vital Statistics, Division of, Michigan State Dept.,** Lansing, Mich.

CREMATORIES.

- Cemetery Association, The Cypress Lawn,** San Francisco, Cal. Photographs of crematory.
- Cemetery Association, The Odd Fellows,** San Francisco, Cal. Photographs of crematory.

- Cemetery, The Forest Home, Company, Milwaukee, Wis.** Photographs of crematory.
- Cremation Company, The Cincinnati, Cincinnati, Ohio.** Photographs.
- Cremation Company, The United States, New York, N. Y.** Photographs.
- Cremation, The Davenport Society for, Boston, Mass.** Photographs.
- Cremation, The Philadelphia Society for, Philadelphia, Pa.** Photographs.
- Crematory, The Gardner Earl Chapel and Oakwood Cemetery, Troy, N. Y.** Photographs.
- Crematory, The Le Moynes, Washington, Pa.** Photographs.
- Charities, Associated, Cambridge, Massachusetts.** Statistics, charts, blanks, reports.
- Charities, Associated, Cincinnati, Ohio.** Blanks, reports, statistics.
- Charities, Associated, District of Columbia, Washington, D. C.** Reports, blanks, statistics.
- Charities, Associated, Ft. Wayne, Indiana.** Reports.
- Charities, Associated, Newburgh, New York.** Reports.
- Charities, Associated, San Francisco, Cal.** Reports.
- Charities, Associated, Wilmington, Delaware.** Reports.
- Charities' Association, United, Akron, Ohio.** Reports.
- Charities, Board of, Connecticut State, Hartford, Connecticut.** Reports.
- Charities Board of, District of Columbia, Washington.** Photographs, reports.
- Charities, Board of, Indiana State, Indianapolis, Ind.** Reports.
- Charities, Board of, New York State, Albany, N. Y.** Publications, statistics, photographs.
- Charities, Board of, Ohio State, Columbus, Ohio.** Photographs, reports.
- Charities, Board of, Pennsylvania State, Harrisburg, Pa.** Reports.
- Charities, Bureau of, Mount Vernon, N. Y.** Reports.
- Charity, Board of, Massachusetts State, Boston, Mass.** Publications, statistics, photographs.
- Charity, Board of, Michigan State, Lansing, Mich.** Reports.
- Charity Organization Society, Baltimore, Maryland.** Photographs, charts, statistics.
- Charity Organization Society, Buffalo, N. Y.** Photographs, reports, blanks.
- Charity Organization Society, Denver, Colorado.** Reports, charts, photographs, circulars.
- Charity Organization Society, New York, N. Y.** Photographs, reports, charts, publications.
- Children's Aid Society, Boston, Mass.** Statistics, photographs.
- Children's Aid Society, New York, New York.** Reports, publications.
- Children's Aid Society of Pennsylvania, Philadelphia, Pa.** Reports.
- Children's Guardian, Board of Marlon County, Ind.** Reports.

AID AND CHARITABLE INSTITUTIONS.

Aid Association, Organized, Jersey City, New Jersey. Reports.

Almshouse, Massachusetts State Tewksbury, Mass. Photographs and statistics.

Association for Improving the Condition of the Poor, Brooklyn, N. Y. Photographs, reports.

Association for Improving the Condition of the Poor, New York City. Reports, photographs, charts.

Blind, Industrial Home for, Knoxville, Iowa. Photographs.

Charitable Society, Ladies' Union, Lawrence, Massachusetts. Reports.

Charities Aid Association, New York State, New York, N. Y. Publications.

Charities and Corrections, Board of, Colorado State, Denver, Colorado. Publications, statistics, photographs.

Charities and Corrections, Board of, Minnesota State, St. Paul, Minn. Reports, statistics.

Charities and Corrections, Board of, Rhode Island State, Providence, Rhode Island. Reports.

Charities and Corrections, Department of, Philadelphia, Pa. Reports, publications.

Charities and Corrections, National Conference. Proceedings.

Charities and Lunacy, Board of, Massachusetts State, Boston, Mass. Reports, statistics.

Charities, Associated, Boston, Massachusetts. Photographs, statistics, reports.

- Children's Guardian, Board of** Vigo County, Ind. Reports.
- Children's Institutions Department,** Boston, Mass. Photographs, statistics.
- Control, Board of, Iowa State Institutions,** Des Moines, Ia. Reports.
- Deaf and Dumb, Institution for** the Instruction of the, New York. N. Y. Photographs, pupils' work.
- Deaf and Dumb, New York Institution for** the Instruction of the, New York City. Photographs and work of pupils.
- Deaf and Dumb, School for,** Nebraska State, Omaha, Neb. Reports.
- Deaf, School for,** Maine State, Portland, Me. Reports.
- Feeble Minded, Indiana State School for,** Fort Wayne, Ind. Reports, photographs.
- Feeble Minded, Iowa State Institution for,** Glenwood, Ia. Photographs, reports.
- Feeble Minded, Massachusetts State School for,** Waverly, Mass. Photographs of grounds and buildings.
- Feeble Minded, Michigan State Home for,** Michigan. Reports.
- Feeble Minded, Minnesota State School for,** Faribault, Minnesota. Photographs, reports.
- Feeble Minded, New York State Institution for,** Syracuse, N. Y. Photographs.
- Feeble Minded, Wisconsin State School for,** Chippewa Falls, Wis. Photographs of institutions.
- Home for Aged Couples, Trustees of** Massachusetts, Boston, Mass. Photographs, reports.
- Home for Aged Men, Trustees of** Massachusetts, Boston, Mass. Photographs, reports.
- Home for Aged Women, Trustees of** Massachusetts, Boston, Mass. Photographs, reports.
- Home, Children's, Franklin County,** Columbus, Ohio. Reports.
- Home, Illinois Soldiers', Quincy,** Ill. Photographs of buildings.
- Home, Iowa Soldiers', Marshallton,** Ia. Photographs.
- Home, Isabella, Heimath, New York,** N. Y. Photographs, reports.
- Home, Massachusetts Soldiers', Chelsea,** Mass. Photographs.
- Home, Minnesota Soldiers' Minnesota,** Minnesota. Photographs.
- Home, National, for Disabled Volunteer Soldiers.** Washington, D. C. Reports.
- Home, Ohio Soldiers' and Sailors', Sandusky,** Ohio. Photographs.
- Home, Presbyterian, for Aged Women,** New York, N. Y. Reports.
- Home, Women's Relief Corps, Oxford,** N. Y. Photographs.
- Home, Working Women's Temporary,** Boston, Mass. Photographs.
- House of Reformation, Boston City,** Boston, Mass. Statistics, reports.
- House of Refuge, Boys' Department,** Glen Mills, Pa. Photographs, publications.
- Industrial School for Boys, Eldora,** Ia. Photographs.
- Industrial School for Crippled and Deformed Children,** Boston, Mass. Reports.
- Industrial School for Girls, Maine State,** Halowee, Me. Reports.
- Industrial School, New York State,** Rochester, N. Y. Photographs, charts, publications, specimens of work.
- Insanity, Board of, Massachusetts State,** Boston, Mass. Photographs, statistics.
- Lyman and Industrial Schools, Trustees of,** Westborough, Mass. Reports, charts, photographs.
- Lunacy, Commission in New York State,** Albany, N. Y. Reports.
- McGarr, Thomas E., Albany, N. Y.** Photographs and reports showing the development of the asylum system and care of the insane in the United States.
- New York Juvenile Asylum, New York,** N. Y. Photographs, reports.
- Orphan Asylum, Jewish, New Orleans,** La. Photographs.
- Orphan Asylum, New York, New York.** Photographs, reports.
- Orphan Asylum, Rose, Terre Haute,** Ind. Statistics, photographs.
- Orphan Asylum, Society of, City of** New York, N. Y. Reports.
- Orphan Asylum, Washburn Memorial,** Minneapolis, Minn. Reports.
- Orphan Home, Charleston, Charleston,** South Carolina. Reports.
- Orphan Home, Iowa Soldiers', Davenport,** Ia. Photographs.
- Orphans, Minnesota Home for,** Minnesota. Photographs.
- Poor Boys, McDonough School for,** McDonough, Md. Reports, photographs.

Poor, County Superintendents of New York State. Proceedings.

Poor, Overseers of the, Boston, Mass. Photographs and statistics of Wayfarers' Lodge and Temporary Home.

Poor, Overseers of the, Brockton, Mass. Reports, photographs, statistics.

Poor, Overseers of the, Fairhaven, Mass. Reports, statistics, photographs.

Poor, Overseers of the, Natick, Mass. Reports, statistics, photographs.

Poor, Overseers of the, Worcester, Mass. Reports, statistics, photographs.

Prevention of Cruelty to Children, Illinois Society for the, Chicago, Ill. Reports.

Prevention of Cruelty to Children, Massachusetts Society for, Boston, Mass. Reports.

Prevention of Cruelty to Children, Society for, Brooklyn, N. Y. Reports.

Prevention of Cruelty to Children, Society for, New York State. Reports, photographs, statistics.

Prevention of Cruelty to Children, Society for, Pennsylvania State. Reports, photographs, statistics.

Prison Association, Massachusetts, Boston, Mass. Reports.

Prison, Maine State, Commission, Augusta, Me. Reports.

Prison, Massachusetts State, Commissioners of, Boston, Mass. Reports.

Prison, National, Association. Publications.

Protectory, New York Catholic, New York, N. Y. Photographs, reports, publications.

Provident Association, Boston, Mass. Reports.

Provident Association, St. Louis, Mo. Reports.

Public Lands and Buildings, Board of, Nebraska State, Lincoln, Neb. Publications, statistics.

Reformatory, New York State, Elmira, N. Y. Reports, photographs.

Relief and Aid Association, Chicago, Ill. Reports.

Relief and Employment of Poor of City of Philadelphia, Guardian for, Philadelphia, Pa. Reports.

Retreat, Hartford, Hartford, Conn. Photographs.

Whittier Reform School, Whittier, Cal. Photographs.

[The Charities Exhibit is the property of the Charity Review, New York City, and was collected by Mr. Edward T. Devine and Mr. Homer Folka.]

INDUSTRIAL PROGRESS: STATISTICS.

Alabama Land and Development Company, Mobile, Alabama. Photographs.

Atchison, Topeka & Santa Fe Railroad, Chicago. Publications.

Bank Commissioners, New Hampshire Boards of, Concord, New Hampshire. Reports.

Banking, Commissioner of, of Pennsylvania, Philadelphia, Pennsylvania. Reports.

Board of Arbitration, Massachusetts State, Boston, Mass. Reports and statistics.

Board of Arbitration, Ohio State, Columbus, O. Reports and statistics.

Board of Trade, Chicago. Reports.

Board of Trade, Tampa, Florida. Photographs.

Brotherhood of Locomotive Engineers, Cleveland, Ohio. Publications.

Building and Loan Association, California, Sacramento, Cal. Reports of proceedings.

Building and Loan Associations, Illinois State League, Springfield, Illinois. Documents.

Building and Loan Associations, Indiana State League, Indianapolis, Indiana. Documents, etc.

Building and Loan Association, Louisiana State League, Baton Rouge, Louisiana. Documents, etc.

Building and Loan Associations, Massachusetts State League, Boston, Mass. Documents, etc.

Building and Loan Association, Metropolitan League of New York, N. Y. Documents, etc.

Building and Loan Associations, Michigan State League, Lansing, Mich. Documents, etc.

Building and Loan Association, Missouri State League, Jefferson City, Mo. Documents, etc.

Building and Loan Associations, National League of, Washington, D. C. Documents, etc.

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- Building and Loan Association,** Wisconsin State League, Madison, Wisconsin. Documents, etc.
- Building and Loan Commission of New York,** New York. Reports.
- Bureau of Labor Statistics of Massachusetts,** Boston, Mass. Charts showing concentration of industries into large establishments.
- Carriage Monthly,** Philadelphia, Penna. Publication, map of carriage manufacturers.
- Chamber of Commerce, Los Angeles,** California. Photographs.
- Chamber of Commerce, Santa Ana,** California. Photographs.
- Chicago & Northwestern Railway,** Chicago. Photographs.
- Columbus Face Brick Company,** Columbus, Ohio. Photographs.
- De La Mar's Mercur Mines Company,** Mercur, Utah. Photographs.
- Dungan, Hood & Company,** Philadelphia, Penna. Photographs.
- Engineering Magazine,** 120 Liberty Street, New York. Publications.
- Engineering News Publishing Company,** 220 Broadway, New York. Publications.
- Glass & Pottery World Company,** 21 Quincy Street, Chicago. Publications.
- Hammondsport Wine Company,** Hammondsport, N. Y. Photographs.
- Harvard Co-operative Society,** Cambridge, Mass. Publications.
- Heins & Company,** Pittsburg, Pa. Photographs of buildings and grounds.
- Herald Publishing Company,** Steubenville, Ohio. Photographs.
- Hires Turner Glass Company,** 626 Arch Street, Philadelphia, Penn. Photographs.
- Hocking Valley Railroad,** Columbus, Ohio. Photographs.
- Hotel Monthly,** 325 Dearborn St., Chicago. Publications.
- Independent Order of Rechabites,** New York. Reports.
- Ingersoll-Sergeant Drill Company,** 28 Cortlandt Street, New York. Photographs.
- Inspection of Factories, Conn.** State Bureau of, Hartford, Conn. Reports: inspection blanks, statistics.
- Inspection of Factories, Illinois** State Bureau of, Springfield, Ill. Reports, inspection blanks, statistics.
- Inspection of Factories, Indiana** State Bureau of, Indianapolis, Ind. Reports, inspection blanks, statistics, photographs.
- Inspection of Factories, Mass.** State Bureau of, Boston, Mass. Reports.
- Inspection of Factories, Michigan** State Bureau of, Lansing, Mich. Reports.
- Inspection of Factories, New Jersey** State Bureau of, Trenton, N. J. Reports.
- Inspection of Factories, New York** State Bureau of, Albany, N. Y. Reports, inspection blanks, statistics, photographs.
- Inspection of Factories, Ohio** State Bureau of, Columbus, Ohio. Reports, inspection blanks, statistics, photographs.
- Inspection of Factories, Pennsylvania** State Bureau of, Harrisburg, Penna. Reports.
- Inspection of Factories, Rhode Island** State Bureau of, Providence, Rhode Island. Reports.
- Inspection of Mines, California** State Bureau of, Sacramento, Cal. Reports, photographs, statistics.
- Inspection of Mines, Illinois** State Bureau of, Springfield, Ill. Reports, photographs, statistics.
- Inspection of Mines, Iowa** State Bureau of, Des Moines, Iowa. Reports, photographs, statistics.
- Inspection of Mines, Kansas** State Bureau of, Topeka, Kansas. Reports photographs, statistics.
- Inspection of Mines, Kentucky** State Bureau of, Frankfort, Kentucky. Reports, photographs, statistics.
- Inspection of Mines, Maryland** State Bureau of, Baltimore, Md. Reports, photographs, statistics.
- Inspection of Mines, Montana** State Bureau of, Helena, Montana. Reports, photographs, statistics.
- Inspection of Mines, Ohio** State Bureau of, Columbus, Ohio. Reports, photographs, statistics.
- Inspection of Mines, Pennsylvania** State Bureau of, Harrisburg, Penna. Reports, photographs, statistics.
- Inspection of Mines, West Virginia** State Bureau of, Wheeling, W. Va. Reports, photographs, statistics.
- Jones, Edw., D., Madison, Wis.** Charts and maps illustrating resources and industries of the country.

The Pan-American Official Catalogue and Guide.

- Knights of Maccabees, Port Huron, Michigan.** Reports.
- Labor, Massachusetts State Bureau of, Boston, Mass.** Reports, statistics.
- Lehigh Valley Railroad, 26 Cortlandt Street, New York.** Reports, photos.
- Locomotive Engineers, Brotherhood of, Cleveland, Ohio.** Publications.
- Manhattan Storage and Warehouse Company, Lexington Ave. and 42nd Street, New York City.** Photographs.
- Massachusetts Savings Bank Commissioners, Boston, Mass.** Charts showing development of saving bank system, increased deposits, etc. Reports.
- Massachusetts State Insurance Commissioner, Boston, Mass.** Charts showing extent of life insurance business in Mass.
- McCormick Harvester Co., Chicago.** Photographs.
- New York State Banking Department, Albany, N. Y.** Reports, statistics.
- New York State Insurance Department, Albany, N. Y.** Reports.
- Northwestern Miller, Minneapolis, Minn.** Publications.
- Ores and Metals, Denver, Col.** Publications.
- Otis Elevator Company, 108 Liberty Street, New York, N. Y.** Photographs.
- Review and Herald Publishing Company, Battle Creek, Michigan.** Photographs.
- Royal Arcanum, Boston, Mass.,** Publications.
- Rutland Railroad Company, Rutland, Vermont.** Photographs.
- Schieren, Charles A., Company, 45-50 Perry Street, New York, N. Y.** Photographs.
- Sheffield Car Company, Three Rivers, Michigan.** Photographs.
- Southern Pacific Railway, Chicago.** Photographs.
- Standard Varnish Works, 29 Broadway, New York.** Photographs.
- Studebaker Bros. Manufacturing Company, South Bend, Indiana.** Photographs.
- Tim and Terne and the Metal World, 58 Ninth Street, Pittsburg, Pa.** Publication.
- Tobacco Leaf Publishing Company, 53 Malden Lane, New York City.** Publications.
- Trigg William R., & Co., Richmond, Virginia.** Photographs.
- Triumph Ice Machine Co., Cincinnati, Ohio.** Photographs.
- Vermont Marble Co., Proctor, Vermont.** Photographs.
- Westinghouse Co., Pittsburg, Pa.** Photographs.
- Winslow Bros., Co., The, Carroll Ave. and Fulton Street, Chicago, Ill.** Photographs.
- Wood, Walter A., Mowing and Reaping Machine Company, Hoosick Falls, New York.** Photographs.

Division of Foods and Their Accessories.

Frederick W. Taylor, Superintendent.

G. Edward Fuller, Assistant Superintendent.

EXHIBITORS.

- Akron Cereal Co., The, Akron, O.**
D—49.
- American Cereal Co., The, 90 W. Broadway, New York.** D—42.
- Armsby, J. K. Co., 44 River St., Chicago, Ill.** F—49.
- Arethusa Spring Water Co., Seymour, Conn.** D—36.
- Armour & Co., 205 La Salle St., Chicago, Ill.** D—45.
- Borden's Condensed Milk Co., 71 Hudson St., New York, N. Y.** A—46.
Originators of Condensed Milk. Established 1857. Proprietors of the celebrated Gail Borden Eagle Brand Condensed Milk, Peerless Brand Evaporated Cream, Condensed Coffee.
- Chapman Co., John M., The, New York.** Sauces.
- Consumers' Company, The, 35th and Butler Sts., Chicago, Ill.** C—46.
- Davis Milling Co., R. T., St. Joseph, Mo.** C—37.
- Dold Packing Co., Jacob, Buffalo, N. Y.** F—51.
- Egg Baking Powder Co., 80 West St., New York.** D—48.
- Eric Preserving Co., Buffalo, N. Y.** C—44.
- Fairbank Co., N. K., The, 277 Dearborn St., Chicago, Ill.** G—29.
- Fisher & Co., B., 397 Greenwich St., New York, care C. D. Petrie, Buffalo, N. Y.** D—40.
- Geneva Mineral Water Co., Brooklyn, N. Y.** B—44.
Geneva Mineral (Lithia) Water as produced in nature's laboratory. Buffalo's depot, 50 W. Eagle St. Main office, 20 Court St., Brooklyn, N. Y. Perfectly pure. Pleasantly practical. Pan-American peoples know its virtues and profit by them. See our exhibit. Try a sample and get some interesting information and a beautiful souvenir.
- German-American Provision Co., The, Union Stock Yards, Chicago, Ill.** G—46.
Exhibit of Blue Ribbon Brand Canned Meats, fancy sausages and cream table lard.
- Heide, Henry, 84 Vandam St., New York, N. Y.** C—49.
Confectionery, manufacturer of the celebrated Diamond Brand Confectionery, Genuine Almond Paste for baking macaroons, and the renowned 5-cent specialties: Licorice Pastilles, Mint and Assorted Jujubes.
- Heins Co., H. J., Pittsburg, Pa.** C—36.
- Heekin & Co., James, Walnut and Water Sts., Cincinnati, O.** E—48.
- Hecker-Jones-Jewell Milling Co., New York City.** C—49.
- Hickmott Asparagus Canning Co., San Francisco, Cal.** D—36.
- Horlick's Food Co., Racine, Wis.** B—48.
- Hotaling-Warner Co., Syracuse, N. Y.** A—47.
- Imperial Granum Co., 153 Water St., New York.** F—46.
- Johnston, Dr., James, Bradford, Pa.** Koumiss. An interesting collection of fermented milk products from many countries; a scientific reproduction of time honored foods. Their successful manufacture demonstrated in America. D—49.
- Kato Coffee Co., 15 Wabash ave., Chicago, Ill.** D—45.
- Klinek, C., Buffalo, N. Y.** D—46.
- Knox, Charles, Johnstown, N. Y.** F—42.
- Lackawanna Dairy Co., The, Scranton, Pa.** D—39.
- Libby, McNeill & Libby, Chicago, Ill.** H—45.
- MacLaren Imperial Cheese Co., A. F., Toronto, Ont.** B—48.

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- McCready, Mrs. J. T., 45 E. Utica St., Buffalo, N. Y. B—51.
- Mellins Food, Boston, Mass. F—44.
- Mohican Spring Water Co., Newark, N. J. D—51.
- National Food Co., H. D. Perky, Trustee, Worcester, Mass. A—44.
- Nelson Morris Co., The, Union Stock Yards, Chicago, Ill. B—42.
- Chicago, E. St. Louis, St. Joseph. Beef and pork packers, lard and oil refiners; mutton, canned meats, sausage, beef extract, fertilizers, etc. This booth exhibits the multitudinous products of this huge packing concern.
- Nestle, Henry, 37 William St., New York. C—39.
- Oneida Community Co., The, Niagara Falls, N. Y. C—51.
- Oscar Co., The, 105 Hudson St., New York. A—48.
- Patent Cereal Co., Henry A. Davis, Utica, N. Y. E—42.
- Pillsbury-Washburn Flour Mills Co., Minneapolis, Minn. A—38.
- Runkel Bros., 445 W. 30th St., New York, N. Y. C—48.
- Saratoga Springs Mineral Water Co., Saratoga Springs, N. Y.
- Sauer Co., C. F., The, Richmond, Va. B—51.
- Schwarzschild & Sulsberger Co., New York, Chicago, Kansas City. Meats. Products awarded first prize and gold medal, Paris Exposition, 1900. Food department. D—45.
- Smith, Kline & French Co., Canal and Poplar Sts., Philadelphia, Pa. D—47.
- St. Charles Condensing Co., St. Charles, Ill. B—49.
- Swift & Co., Union Stock Yards, Chicago, Ill. G—46.
- Washburn-Crosby Co., The, 644 Prudential Bldg., Buffalo, N. Y. C—38.
- Welch Grape-Juice Co., The, Westfield, N. Y. E—51.
- Wesson Process Co., The, Philadelphia, Pa. G—42.
- JAMAICA.**
- Bucknor, Thomas H., Kingston, Cassava flour.
- Cox, Hon. H. E., Claremont. Tea.
- Feurtado, Joseph. Sauce (universal).
- George & Branday, Kingston, Coffee, cocoa, spices, etc.
- Jamaica Local Committee, Kingston. Coffee, cocoa, spices, cereals, etc.
- Machado, B. & B. J., Kingston. Cigars.
- McNish Ltd., Kingston. Kola preparations and syrups.
- Morales, Joseph S., Spanish Town. Honey.
- Mason, J. O., Buff Bay. Cocoa spices, etc.
- Miller & Nephew, J. Christiana. Ginger.
- Noyes, F. S., Port Morant. Cocoa.
- Pringle, Hon. Dr. J., Annotto Bay. Cocoa, kola powder, cereals, etc.
- Pringle, Hon. Dr. J., Annotto Bay. Nutmegs, pimento.
- Walcott, Mrs. G., Kingston. Preserves.
- Shirley, Lester Colville, Duncans. Sugar (muscavado).
- Simon & Co., Conrad, Kingston. Rum.
- Walcott, R. A., Kingston. Sauce (Martha's).
- Wessels Brothers, Kingston, Coffee, cocoa, kola nuts, spices, etc.
- Wray & Nephew, J., Kingston. Coffee, sugars, rums, etc.
- Wynne, W. W. Mandeville. Coffee, spices, etc.

MEXICO.

- Aguirre, Domingo, Tepic. Cane sugar.
- Albaitero y Cia, Tacubaya. Flour. D—F.
- Albino, Leandro, Yecapixtla, Morelos. Coffee.
- Alfaro, Emigdio D., Chilchotla, Oaxaca. Coffee.
- Almada y Hermanos, Jesus, Navalato, Sinaloa. Cane Sugar.
- Almada y Hermanos, Jesus, Navalato, Sinaloa. Liqueurs.
- Arciniega, Aurelio, Costepec, Veracruz. Coffee.
- Arias, Jose C., Chietla, Puebla. Coffee.
- Artigas, Gabriel C., San Andres Tuxtla, Veracruz. Coffee.
- Avendano, Antonio, Chilchotla, Oaxaca. Coffee.
- Ayuso, B., Juquila, Oaxaca. Coffee.
- Ball, Juan W., Durango. Vinegar.
- Bano, Eugenio D., Chilchotla, Oaxaca. Coffee.
- Becerra, Fabre, Belisario, San Juan Bautista, Tabasco. Coffee and cocoa.

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- Bentley & Harris, Colonia Juarez, Galeana, Chihuahua.** Preserved fruits.
- Cafetal, Santiago, Chilchotla, Oaxaca.** Coffee.
- Camacho, Ismael, Quechula, Chiapas.** Coffee and cocoa.
- Camacho, Timoteo, Queretaro.** Liquors.
- Campos, Ricardo M., Tapachula, Chiapas.** Coffee.
- Cano, Modesto, Quechula, Chiapas.** Coffee.
- Cattucci, Horacio, Xalapa, Veracruz.** Orange wine.
- Cervantes, Jostamentaria de M., Mexico.** Flour. D—F.
- Compania Cervecera de Chihuahua S. A., Chihuahua.** "Edelweiss," "Exposicion" and "Carta Plata" beers.
- Compania Destiladora "Casa Colorada," Mexico.** Liquors. D—F.
- Compania Destiladora, Mexico.** Alcohol. D—F.
- Compania Destiladora, Mexico.** Liquors. D—F.
- Compania Industrial, Hermosillo, Sonora.** Starch.
- Cordova, Federico, Zacualtipan, Hidalgo.** Liquors.
- Cortes, Anselmo, Tlapacoyan, Veracruz.** Coffee.
- Cuesta Gallardo e Hijos, Manuel M., Atequiza, Jalisco.** Alcohol.
- Diaz, Aurelio, Queretaro.** Quince wine.
- Diaz, Ordas y Cia, Chilchotla, Oaxaca.** Coffee.
- Donde, Eduardo, Coatepec, Veracruz.** Coffee.
- Escudero, Francisco, Tepic.** Coffee.
- Esperon, Manuel, Chilchotla, Oaxaca.** Coffee.
- Fabrica de Cerveza, "El Leon," Leon, Guanajuato.** "Book" and "Perla de Oro" beers.
- Finca, Esperanza S. A., Teotitlan, Oaxaca.** Coffee.
- Finca, Mercedes, Teotitlan, Oaxaca.** Coffee.
- Flor, Jose, Jalapa, Veracruz.** Chocolate.
- Fuentes Solis, Fernando, Zacualtipan, Hidalgo.** Quince wine.
- Gabino, Salvador, Mexico.** Vinegar. D—F.
- Garcia, C., Puebla.** Orange wine.
- Galvez, A., Coatepec, Veracruz.** Liquors.
- Garcia, Joaquin, Texcoco, Mexico.** Liquors.
- Garcia, Mariano, Chilchotla, Oaxaca.** Coffee.
- Garcia Pimentel, Luis, Sta Clara, Jinacatepec, Morelos.** Cane sugar.
- Gobierno del Estado de Aguascalientes.** Flour.
- Gobierno del Estado de Aguascalientes.** Red pepper.
- Gobierno del Estado de Chiapas, Tuxtla.** Coffee and cocoa.
- Gobierno del Estado de Chiapas, Tuxtla.** Spices.
- Gobierno del Estado de Durango.** Agave syrup.
- Gobierno del Estado de Durango.** Bee honey.
- Gobierno del Estado de Durango.** Nuts and pine nuts.
- Gobierno del Estado de Jalisco, Guadalajara.** Brown sugar.
- Gobierno del Estado de Jalisco, Guadalajara.** Coffee.
- Gobierno del Estado de Jalisco, Guadalajara.** Green pepper.
- Gobierno del Estado de Michoacan, Morelia.** Coffee.
- Gobierno del Estado de Morelos, Cuernavaca.** Cane sugar.
- Gobierno del Estado de Morelos, Cuernavaca.** Coffee.
- Gobierno del Estado de Oaxaca.** Coffee.
- Gobierno del Estado de Puebla.** Coffee.
- Gobierno del Estado de Queretaro.** Coffee.
- Gobierno del Estado de San Luis Potosi.** Coffee.
- Gobierno del Estado de Tabasco, San Juan Bautista.** Mushrooms.
- Gobierno del Estado de Tabasco, San Juan Bautista.** Tea, coffee and cocoa.
- Gobierno del Estado de Tlaxcala.** Red pepper.
- Gobierno del Estado de Veracruz, Xalapa.** Coffee.
- Gomez Vargas, Rafael, Cordova, Veracruz.** Coffee.
- Hernandez, Augustin, Chilon, Chiapas.** Coffee.
- Hidalgo, Gumersindo, Mexico.** Starch. D—F.
- Jarilla, Emiliano, Pahuatlan, Puebla.** Coffee.
- Jaspeado, Ruperto, Jexcoco, Mexico.** Olive oil.
- Jaspeado, Ruperto, Texcoco, Mexico.** Agavino.
- Jefatura Politica del Territorio de Tepic.** Coffee.
- Lastinere, E., Puebla.** Ginger ale and sarsaparilla.

- Lopez, Felipe N., Coatepec, Veracruz. Coffee.
- Lorenz, A., Puebla. Flour.
- Maldonado, Ramon, Monterrey, Nuevo Leon. Liquors.
- Manuel, Panciano, Tacambaro, Michoacan. Coffee.
- Martinez del Cerro, J., Tacubaya. Flour. D—F.
- Martinez, P., Zacatlan, Puebla. Liquors.
- Mena, Evaristo, Campeche. Marañon wine.
- Mendez, Epifanio, Guadalajara, Jalisco. Cane sugar.
- Mercado, Aristeo, Uruapan, Michoacan. Coffee.
- Mercado de Romano, Leonor, San Blas, Tepic. Coffee.
- Merino, S., Misantla, Veracruz. Mixantleca sauce.
- Mexican Gulf Agricultural Company, Dos Rios, Veracruz. Coffee.
- Mesa y Cia, Mogrovejo Queretaro. Quince wine.
- Mogrovejo, Juan, Calnali, Hidalgo. Orange wine.
- Moral, Tomas del, Toluca, Mexico. Liquors.
- Moreno, Andres, Amilcingo, Morelos. Coffee.
- Noriega Samano, Alonso, Mexico. Chocolate. D—F.
- Municipio de O. Guerrero, Tamaulipas. Agave syrup.
- Ochoa y Aviles, Fuerte, Sinaloa. Liquors.
- Olguin, Estanislao, Calnali, Hidalgo. Coffee.
- Park y Bergofe, Chilchetla, Oaxaca. Coffee.
- Pendas, Manuel, Zr cualtipan, Hidalgo. Quince wine.
- Peres Arce, Carlos, Guadalajara, Jalisco. Sago.
- Peres, Arce, Guadalajara. Jalisco. Ginger ale.
- Peres, Aurelio, San José Purua, Michoacan. Coffee.
- Peres, Jose, Cuilapan, Oaxaca. Nuts.
- Pepoca, Refugio, Tilapa, Puebla. Coffee.
- Portillo, J. O., Chilchetla, Oaxaca. Coffee.
- Pradillo, Agustin, Teotitlan, Oaxaca. Coffee.
- Ramires, Tomas A., Molango, Hidalgo. Liquors.
- Regules, Hermanos, Chilchetla, Oaxaca. Coffee.
- Riquelme, S., Mexico. Pulque. D—F.
- Rivero Succs, V., Monterrey, Nuevo Leon. Maicena.
- Rodriguez, Mariano, Patzcuaro, Michoacan. Coffee.
- Rodriguez, Ramon, Queretaro, Alcohol.
- Rejas, Ponciano, Piebucalco, Chiapas. Cocoa.
- Rozas, Justo, San Juan Bautista, Tabasco. Coffee.
- Santa Cruz, Francisco, Colima. Alcohol.
- Santa Cruz, Francisco, Colima. Coffee.
- Secretaria de Fomento, Mexico. Coffee and cocoa. D—F.
- Sociedad Agricola Mexicana, Mexico. Alcohol. D—F.
- Sociedad Agricola Mexicana, Mexico. Cane sugar. D—F.
- Sociedad Agricola Mexicana, Mexico. Coffee and cocoa. D—F.
- Sociedad Agricola Mexicana, Mexico. Nuts and pine nuts. D—F.
- Sociedad Agricola Mexicana, Mexico. Red pepper. D—F.
- Solorzano, Ildefonso, Tacambaro, Michoacan. Coffee.
- Solorzano y Sans, J., Mexico. Alcohol. D—F.
- Sousa Rodriguez, Juan, Acapometla, Tepic. Liquors.
- Subprefectura de los Municipios de San Jose y Santiago, Baja, California. Cane sugar.
- Tardos e Hijos, Julio, Mexico. Vinegar. D—F.
- Telles, Antonio, Huauachinango, Puebla. Coffee.
- Telles, Antonio, Villa Juarez, Oaxaca. Coffee.
- Tromblin Brijan, E., Cordova, Veracruz. Coffee.
- Ugalde, Agripino, Zacualtipan, Hidalgo. Orange wine.
- Uribe, Macedonio, Texcoco, Mexico. Orange wine.
- Vargas, M., Colima. Liquors.
- M., Atequiza, Jalisco. Alcohol.
- Vasquez, Jose G., Ayotla, Mexico. Olive oil.
- Velex Arriaga, Luis, Seconusco, Chiapas. Cocoa.
- Voguel, Arnoldo, Colima, Alcohol.
- Voguel, Arnoldo, Colima. Coffee.
- Zaragoza, Santos, Tlalnepantla Cnautengo, Morelos. Coffee.
- Zuniga, Adalberto, Huasalingo, Hidalgo. Coffee.

CATALOGUE OF THE FLOUR EXHIBIT OF THE ARGENTINE REPUBLIC.

The Pan-American Official Catalogue and Guide.

No.	EXHIBITOR.	NAME OF THE MILL.	ADDRESS.	PRODUCT.
1	Hugentobler Stoessel y Ca.	Molino Angelita	Esperanza, Prov. of Santa Fe	Wheat employed.
2	"	"	"	Wheat.
3	"	"	"	1st blunting.
4	"	"	"	1st passage.
5	"	"	"	2d "
6	"	"	"	3d "
7	"	"	"	4th "
8	"	"	"	5th "
9	"	"	"	2 ^d blunting.
10	"	"	"	Groats No. 1.
11	"	"	"	" " 2.
12	"	"	"	" " 3.
13	"	"	"	" " 4.
14	"	"	"	" " 5.
15	"	"	"	" " 6.
16	"	"	"	Wheat dust.
17	"	"	"	Brush dust.
18	"	"	"	Special flour.
19	"	"	"	Flour 00.
20	"	"	"	" 0.
21	"	"	"	" 2d.
22	"	"	"	Biscuit flour.
23	"	"	"	1st class bran.
24	"	"	"	2d "
25	Weber y Sticker	Molino Palermo	Buenos Aires	Flour 00.
26	"	"	"	" 0.
27	"	"	"	" 1.
28	"	"	"	" 2.
29	"	"	"	" 3.
30	"	"	"	" 4.
31	"	"	"	" "
32	"	"	"	" "
33	M. R. de Raggio	Molino La Estrella del Sud	Loberia, Prov. of Buenos Aires	Sup. bran.
34	"	"	"	2d class bran.
35	"	"	"	Groats 0.
36	"	"	"	Groats 0.
37	"	"	"	Flour 0.
38	"	"	"	" K.
39	Lardizabal y Escudero Hnos	Molino del Interior	Maros Juarez, Prov. of Córdoba	1st class bran.
40	"	"	"	2d "
41	"	"	"	Wheat employed.
				Flour, "Europa."
				" "Argentina."

* Collective exhibits.

CATALOGUE OF THE FLOUR EXHIBIT OF THE ARGENTINE REPUBLIC—Continued.

No.	EXHIBITOR.	NAME OF THE MILL.	ADDRESS.	PRODUCT.
42	Lardisbal y Escudero Hnos	Molino del Interior	Marcos Juarez, Prov. of Córdoba	Flour, "America."
43	"	"	"	1st class bran.
44	"	"	"	2A "
45	Trechon y Polera	Molino Nuevo	Buenos Aires	Flour A.
46	"	"	"	B.
47	"	"	"	C.
48	"	"	"	1st class bran.
49	"	"	"	2A "
50	Werner y Cia.	Molino Fénix	Villa Casilda, Prov. of Santa Fe	Flour VV.
51	"	"	"	"
52	"	"	"	Victoria.
53	"	"	"	Fortuna.
54	B. Longo é Hijos	Molino América	Venado Tuerto, Prov. of Santa Fe	2d class bran.
55	"	"	"	Wheat employed.
56	"	"	"	Flour A.
57	"	"	"	" 00.
58	Beero, Lupetti y Franchino	Molino Ciudad de Santa Fe	Santa Fe, Prov. of Santa Fe	" 0
59	"	"	"	Special flour, 2.
60	"	"	"	Flour 00.
61	"	"	"	" 0, 3.
62	Carlos Gavazza y Cia.	Molino San Fernando	Colonia Orono, Prov. of Santa Fe	Biscuit flour, 1.
63	"	"	"	Flour 00.
64	"	"	"	" 2
65	Alberto Meyer	Molino Lehmann	Lehmann, Prov. of Santa Fe	Flour 00.
66	"	"	"	" 0.
67	"	"	"	" 1.
68	"	"	"	Sup. bran.
69	"La Corrunalan"	Molino Pigüé	Pigüé, Prov. of Buenos Aires	Flour 0.
70	"	"	"	" 1.
71	"	"	"	" 2.
72	German Schenk	Molino Sunchales	Sunchales, Prov. of Santa Fe	Flour 00.
73	"	"	"	" 0.
74	"	"	"	Extra.
75	Vigilioni y Fulchi	Molino Nacional	Buenos Aires	Groats.
76	"	"	"	Flour A extra.
77	"	"	"	E or special.
78	Benito Iglesias	Molino Iglesia	Villa Dolores, Prov. of Córdoba	Wheat employed.
79	"	"	"	Flour 1.
80	"	"	"	" 2.
81	Santiago Serigás	Molino Hidráulico Rauch	Rauch, Prov. of Buenos Aires	Flour 0.
82	"	"	"	" E 1a.

* Collective exhibits.

Manufactures Pergola (or Annex).

Algar M. Wheeler, Supt.

This is an annex to the Manufactures and Liberal Arts Building, and is located at the eastern end of that building, separated from the same by the Canal.

EXHIBITORS.

- Abendroth Bros.,** 100-111 Beekman St., New York City. Gas stoves and steam and hot water heaters.
- Binney & Smith,** 81 Fulton St., New York, N. Y. Stencils.
- Blue Ridge Enameled Brick Co.,** Newark, N. J. Enameled brick and tile.
- Burrowes Co., The E. T.,** Portland, Me. Wire screens and billiard tables. A fine Combination Portable Table or Board with 16 balls, cues, etc., 40 parts, for \$15 to \$25. Take one home. Look at our exhibit. Also wire screens for fine houses.
- Canfield Rubber Co.,** Bridgeport, Conn. Crude rubbers.
- Castner Electrolytic Alkali Co.,** Niagara Falls, N. Y. Salt and heavy chemicals. Salt, soda, ash, caustic soda (all strengths), caustic liquor, lye, bicarbonate of soda, bleaching powder in air tight steel drums, electrozone the unexcelled disinfectant.
- Cosmopolitan Range Co.,** 26 Sullivan St., New York, N. Y. Ranges.
- Felton, S. A. & Son Co.,** Manchester, N. H. Power and hand brushes.
- Frees, C. A.,** New York. Artificial limbs.
- Gas Appliance Mfg. Co.,** 207 St. James St., Montreal, Canada. Gas furnaces.
- Gloucester Fisheries,** Gloucester, Mass. Fishery exhibit.
- Hirschfeld, Ruth Ashley,** 210 W. 88th St., New York, N. Y. Model nursery.
- Jewett & Co.,** Buffalo, N. Y. Stoves.
- Koven Bros.,** 50 Cliff St., New York, N. Y. Tanks, boilers, etc.
- Kelsey Furnace Co.,** Syracuse, N. Y. Furnaces.
- Matheson, Wm. J.,** 182 Front St., New York, N. Y. White lead.
- Matheson Alkali Works, The,** Saltville, Va.
- Mechanical Accountant Co.,** Providence, R. I.
- National Leather Co.,** Philadelphia, Pa. Leather mats.
- Parker, Geo. W.,** Danbury, Conn. Pottery.
- Readle, A.,** New York, N. Y. Sky lights.
- Richter Mfg. Co.,** Terrafly, N. J. Burlaps.
- Roberts Mfg. Co.,** Philadelphia, Pa. Water filters.
- Schoellkopf & Co.,** Buffalo, N. Y. Sheep leather.
- Schoellkopf & Sons, J. F.,** Buffalo, N. Y. Cut sole leather.
- Sweet Iron Works, A. L.,** Medina, N. Y. Heaters.
- U. S. Leather Co.,** 28 Ferry St., New York, N. Y. Leathers.
- United Indurated Fibre Co.,** Lockport, N. Y. Domestic ware.
- Vacuum Oil Co.,** Rochester, N. Y. Leather oils.
- Wiggins Sons, H. B.,** Bloomfield, N. J. Burlaps.
Are colored woven fabrics, both plain and figured, with the FAB-RI-KO-NA (Trade Mark) backing, so that the goods can be hung like wall paper. Elegant effects.

Acetylene Building.

LIGHTED BY ACETYLENE GAS.

Algar M. Wheeler, Supt.

Office : East Gallery, Manufactures Building.

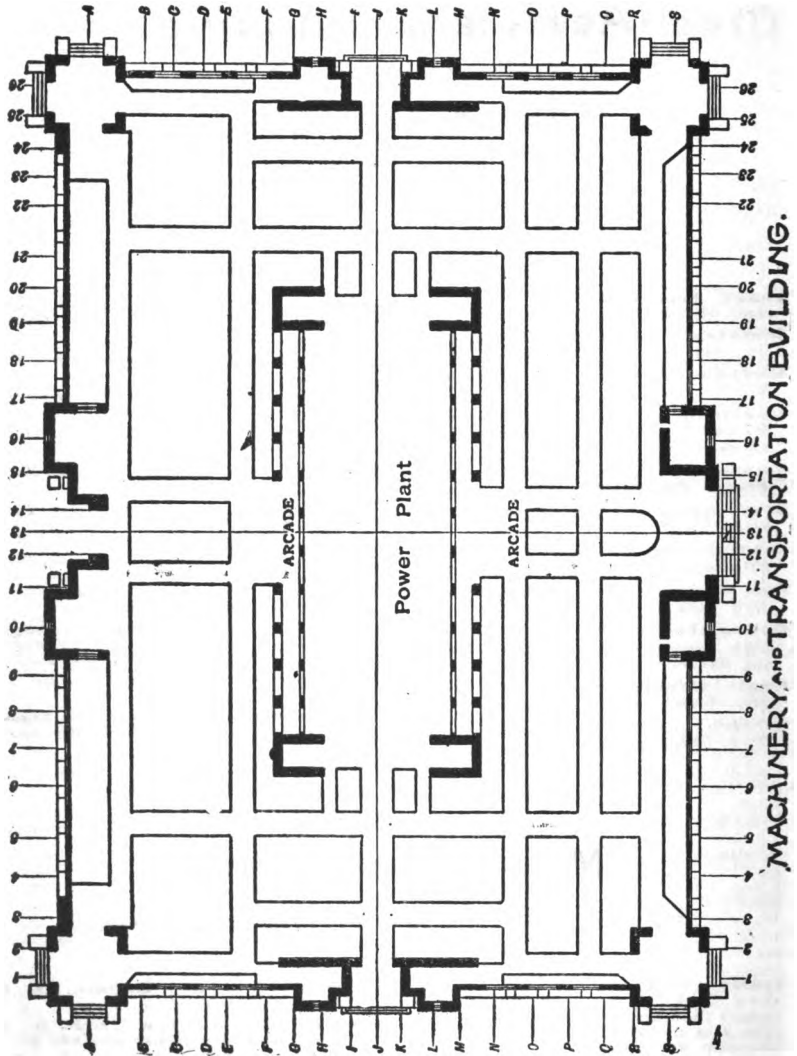
EXHIBITORS.

- Abner Acetylene Gas Co.,** Chicago, Ill. Generators.
- Acetylene Journal Publishing Co.,** 324 Dearborn St., Chicago, Ill.
- Acetylene Mfg. Co.,** New York, N. Y. Generators.
- American Acetylene Burner Co.,** Rochester, N. Y. Acet. gas appliances.
- American Carbide Lamp Co.,** 384 Bourse, Philadelphia, Pa.
- Bruce-Cram Generator Co.,** Brooklyn, N. Y. Generators.
- Central United Acetylene Co.,** Pittsburg, Pa. Generators.
- Colt & Co., J. B.,** 108 Fulton St., New York, N. Y. Generators.
- Duncombe, F. H.,** St. Thomas, Ont. Generators, house and car lighting fixtures.
- Eagle Generator Co.,** St. Louis, Mo. Generators.
- Electro Lamp Co.,** 45 Broadway, N. Y. Acet. gas appliances.
- Flatau Green House & Car Lighting Co.,** St. Louis, Mo. Generators.
- Kinnear Mfg Co.,** Warren, Pa. Generators.
- Kirschberger & Co., M.,** 50 Warren St., New York City.
- Miller & Co.,** Edward, Meriden, Conn. Acet. gas appliances, etc.
- Pan-American Acetylene Co.,** Buffalo, N. Y. Generators.
- Sunlight Gas Machine Co., The,** 208 Greenwich St., N. Y. Generators. The "Sub-Marine" Acetylene Gas Generator is never opened, insuring absolute safety. Gas purified in large volume of water. Perfect generation guaranteed at lowest cost.
- State Line Mfg. Co.,** Chattanooga, Tenn. Generators. D. M. Steward's patent burners, Wonder, Acme, Meteor, New Century, Stereopticon, and Argand burners.
- Union Carbide Co.,** 157 Michigan Ave., Chicago, Ill. Acet. gas appliances.

Mission Building.

Special building, located just north of the Dairy Building.

- Aeolian Company,** 18 W. 23d St., New York, N. Y. The Aeolian pipe organ recitals will be given daily in the J. & K. Lamb Mission Chapel. Admission will be free.
- Birge & Sons Co., M. H.,** Buffalo, N. Y. Paper hangings.
- Buffalo Pitts Co.,** Buffalo, N. Y. Agricultural machinery.
- Lamb, J. & R.,** New York, N. Y. Memorial and ecclesiastical art work. Inspect examples in the Sprague, Birge and Lamb Mission Chapel, at the Exposition.



Machinery and Transportation Building.

Thomas M. Moore, Sup't.

KEY TO INSTALLATION.

For the purpose of conveniently locating the exhibits, the ground floor plan of the building (see opposite page) is divided into *sections*, which are indicated by the letters A to V in one direction and the figures 1 to 26 in the other. By this system each exhibit has a position of latitude and longitude. For example, an exhibit marked "O-13" would be found at that point where a line drawn vertically from "13" intersects a line drawn horizontally from "O."

NATURE OF EXHIBITS.

Engines and Boilers, Gas Engines,
Valves, Pipes, Castings, Tools, Lathes,
Milling Machines, Elevating Machinery, Fans, Blowers, Pumps,
etc., Bicycles, Automobiles, Locomobiles, Wagons,
Carriages, Coaches, Buggies, etc.

EXHIBITORS.

MACHINERY.

Abendroth & Root Mfg. Co., New York, N. Y. Boiler. M-3.

Acme Machine Screw Co., Hartford, Conn. Screw machines. O-4.

Alberger & Son, Buffalo, N. Y. Gas engine. L-8.

Alexander Bros., Philadelphia, Pa. Leather belting. N-18.

American Blower Co., Detroit, Mich. Blowers, fans, etc. M-6.

Branches: New York, Chicago, and London. Manufacturers — Blowers, Engines, Special Dryers, Heating Apparatus, "Moist Air" Lumber Dry Kilns, "Waste Heat" Brick Dryers, Expert Heating, Ventilating, and Drying Engineers. Submit your difficult problems to us.

American District Steam Co., Lockport, N. Y. O-1.

Originators and builders of Holly system of underground steam distribution. Two hundred steam plants in operation. Also manufacturers of all kinds of steam specialties.

American Engine Co., Bound Brook, N. J. Engine in Power Plant.

American Machine Co., The, Buffalo, N. Y. Machines of wonderful interest to millers. The ultimator sifting machine and the Winkler elevator bucket. Manufactured by the American Machine Co., 357 Seventh St., Buffalo, N. Y. Wm. B. Jackson, Pres., H. R. Kenyon, Sec., H. H. Persons, Treas. P-3.

American Pulley Co., Philadelphia, Pa. Pulleys. N-8.

American Steam Gauge Co., Jamaica Pl., Boston, Mass. Valves, gauges, etc. S-8.

American Steel and Wire Co., Worcester, Mass. Steel and wire goods. J-21.

American Tool and Machine Co., Boston, Mass. Sugar machinery. B-8.

Engineers, founders and machinists. Founded in 1845. Incorporated 1864. Specialties: Weston centrifugals, hydro-extractors, lathes, belt knives, splitting machines, improved Worrall friction clutch couplings and pulleys. The leading builders of sugar machinery in the world.

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- American Tool Works, Cincinnati, O.** Tools, etc. 8-P.
- Ames Iron Works, Oswego, N. Y.** Engine. J.—15. Power Plant.
- Anderson Bros, Paterson, N. J.** Silk loom. D—19.
- Atchison, Topeka & Santa Fe Railway System, The, Chicago, Ill.** Views.
- Atkins & Co., E. & C., Indianapolis, Ind.** Circular tools, saw tools. N—15.
Solid and inserted tooth circulars, veneer, shingle, segment, band, cross-cut, hand, wood, kitchen, pruning and compass saws. Corn, cane and beet knives. Machine knives a specialty.
- Atlas Pipe Wrench Co., New York City.** Pipe wrenches. P—1.
- Austin & Eddy, Boston, Mass.** Sanding machine. R—10.
- Ball Engine Co., Erie, Pa.** Engines. H—8. Power Plant.
- Barnes Co., Rockford, Ill.** Water Tool grinder. P—8.
- Bashlin & Co., Warren, Pa.** Valves. S—4.
- Beattie & Sons, Cohoes, N. Y.** Collar machines. F—7.
- Becker-Brainard, Hyde Park, Mass.** Milling machines. Q—18.
- Bell Engineering Works, The David, Buffalo, N. Y.** Steam hammers. M—22.
- Belmer-Eames Tool Co., Cincinnati, O.** Model planers. R—17.
- Bessemer Gas Engine Co., Grove City, Ia.** Power Plant.
- Bickford Drill & Tool Co., Cincinnati, Ohio.** Drills. O—11.
- Bickford & Francis, Buffalo, N. Y.** Belting. N—11.
- Bierbaum & Merrick Metal Co., Buffalo, N. Y.** Lumen metals and bronzes. P—26.
- Bliss & Co., E. W., Brooklyn, N. Y.** Power presses. R—21.
- Blodget Mfg. Co., Rochester, N. Y.** Gauges, etc. Q—26.
- Boston Belting Co., Boston, Mass.** Mechanical rubber goods. N—19.
- Bradford Belting Co., Cincinnati, O.** Belting. P—8.
- Bradford Machine Tool Co., Cincinnati, O.** Machine tools. N—7.
- Brown & Sharpe Mfg Co., Providence, R. I.** Tools, milling machines, etc. Q—16.
- Buffalo Emery Wheel Co., Buffalo, N. Y.** Emery wheels. A—5.
- Buffalo Forge Co., Buffalo, N. Y.** Blowers and engines. G—6.
- Buffalo Meter Co., Buffalo, N. Y.** Water meters. N—4.
- Builders Iron Foundry, Providence, R. I.** Meters, machinery, etc. G—4.
- Bullard Machine Tool Co., Bridgeport, Ct.** Machine tools. R—19.
- Burr Mfg. Co., Cleveland, Ohio.** Safety lifts. N—7.
- Burt Manufacturing Co., Akron, O.** Oil filters. In Power Plant.
- Cameron Steam Pump Co., A. S., New York City.** Pumps. The "Cameron." Of superior design and best construction. In liberal use the world over; conceded to be the most durable, reliable and effective steam pump on the market. K—4.
- Carborundum Co., The, Niagara Falls, N. Y.** Carborundum wheels. S—17.
Carborundum is guaranteed to be the most efficient and economical grinding and polishing material in existence. It is adapted for all classes of work.
- Cataract Tool & Optical Co., Buffalo, N. Y.** Lathes. P—7.
- Chandler Co., Ayer, Mass.** New York office, 11 Waverly Place. Accordion side, and box platers; single, double and triple rose ruchers; box plating shirres, box plating bosom machines. We are constantly adding special machines, all of which are invented and manufactured by us, and all of which we absolutely guarantee. F—8.
- Chapman Double Ball Bearing Co., Boston, Mass.** Ball bearings. E—17.
- Chester, Allen, Paterson, N. J.** Silk looms. P—7.
- Chicago Belting Co., Chicago, Ill.** Leather belting. M—17.
- Chisholm & Moore Mfg. Co., The, Cleveland, Ohio.** E—5.
Manufacturers of pneumatic and hand power cranes, chain hoists and trolleys; pneumatic hoists and motors; pneumatic tools, malleable iron castings; American standard rail joints.
- Cincinnati Machine Tool Co., Cincinnati, O.** Drills. P—8.
- Cincinnati Milling Machine Co., The, Cincinnati, Ohio.** Milling machines. We exhibit entirely new pattern machines. See our new all-gear feed mechanism. No belts to slip, no pulleys to shift, no gears to transpose. P—10.

The Pan-American Official Catalogue and Guide.

- Cincinnati Planer Co., Cincinnati, Ohio.** Planers. O-9.
- Cleveland Machine Screw Co., Cleveland, O. Machinery.** P-19.
- Cleveland Twist Drill Co., Cleveland, Ohio.** Twist drills, reamers, etc. S-19.
- Cleveland Wire Spring Co., Cleveland, O.** Spring goods. N-8.
- Wire Springs, Steel Shop Boxes, Metal Mortar and Brick Hods, Wall Ties, Wire Grain Drill Tubes.
- Cliff & Guilbert Co., New York, N. Y.** Hose reels.
- Cling-Surface Mfg. Co., Buffalo, N. Y.** Cling-surface. N-19.
- Exhibit showing improved method transmitting power. Ten H. P. motor, two five H. P. dynamos. Tight belt without, and slack belt full of cling-surface.
- Clonbrock Boiler Co., Brooklyn, N. Y.** Boilers. In Power Plant.
- Coates Clipper Mfg. Co., Worcester, Mass.** Clipper. H-22.
- Cochrane Co., Lorain, Ohio.** Refrigerating machinery. P-4.
- Coe Mfg. Co., Painesville, Ohio.** Veneer machine. R-8.
- Contractors' Plant Mfg. Co., Buffalo, N. Y.** Hoisting engines. C-5.
- Cornell, J. B. & J. M., New York City.** Fans, blowers, etc. H-5.
- Covel Mfg. Co., Chicago, Ill., U. S. A.** P-6. Saw machinery. Saw sharpening and saw fitting machinery of every description. Write for illustrated catalogue.
- Crucible Steel Co. of America, Pittsburg, Pa.** P-5. Crucibles.
- Cunningham Mfg. Co., Philadelphia, Pa.** Sterilizing machine. C-4.
- Cyclone Grate Bar Co., Toronto, Ont.** Grate bars. E-1.
- Deane Steam Pump Co., Holyoke, Mass.** Steam pumps. K-5.
- Detrick & Harvey Machine Co., Baltimore, Md.** Tools. Q-21.
- Diamond Drill & Machine Co., Birdsboro, Pa.** Drills, crushers, etc. O-9.
- Diamond Machine Co., Providence, R. I.** Grinding machinery. S-18.
- Dodge Mfg. Co., Mishawaga, Ind.** Power transmission machinery. P-13.
- Doig, Estate of William S., Brooklyn, N. Y.** Box nailing machines. Manufacturers of standard box nailing machines, specially adapted to meet the various needs of packers and box makers. B-6.
- D'Olier Engineering Co., Philadelphia, Pa.** Switchboard. In Power Plant.
- Dresser, S. R., Bradford, Pa., F-2.** Oil, gas and water line specialties.
- Eddy Valve Co., Waterford, N. Y.** Valves. In Power Plant.
- Eureka Fire Hose Co., New York City.** Fire Hose. O-26.
- This company was incorporated in 1875 and are the oldest and largest manufacturers of fire hose in the U. S., also the original manufacturers of seamless cotton rubber lined fire hose; hose of every description.
- Eysen Packer Defibrator Co., New York, N. Y.** Stripping machines N-4.
- Fairbanks Co., Buffalo, N. Y.** Valves. In Power Plant.
- Faneuil Watch Tool Co., Boston, Mass.** Lathes, grinders, etc. Q-9.
- Fay & Scott, Dexter, Md.,** Screw cutting lathes. P-8.
- Fayerweather & Ladew, New York City.** Belts. N-15.
- Ferracute Machine Co., Bridge-ton, N. J.** Machinery. P-22.
- Field Force Pump Co., Lockport, N. Y.** Force pumps. D-23.
- Fitchburg Steam Engine Co., Fitchburg, Mass.** Engines. J-14.
- Foos Manufacturing Co., Springfield, Ohio.** Gas engines, etc. C-4.
- Forster Pulley Co., Rochester, N. Y.** Wood pulleys. N-7.
- Fox Machine Co., Grand Rapids, Mich.** Wood-working machinery. P-17.
- Fulton Pulley Co., Fulton, N. Y.** Wood pulleys. N-10.
- Galena Oil Co., Franklin, Pa.** N-2. Oils.
- Garlock Packing Co., Palmyra, N. Y.** Packing. Q-1.
- Gisholt Machine Co., Madison, Wis.** Lathes, etc. P-19.
- Gray & Co., G. A., Cincinnati, Ohio.** Planers. Q-19.
- Green Fuel Economiser Co., Mat-teawan, N. Y.** Fuel economizer. O-3.
- Griffin Iron Co., A. A., Jersey City, N. J.** Steam appliances. In Power Plant.
- Guild & Garrison, Brooklyn, N. Y.** E-3. Steam pump.
- Hall Iron Works, Lockport, N. Y.** Pumps, machinery supplies, etc. D-1.
- Hanna Oil Co., Chicago, Ill.** Oils. A-5.

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- Harrisburg Foundry & Machine Works, Harrisburg, Pa.** Stationary engines, engines, high and medium speed, self-oiling, automatic, single and four-valve. Also improved Corliss with steam accelerated valve gear. In Power Plant.
- Harrison Safety Boiler Works, Philadelphia, Pa.** Feed water heaters, separators. I-8.
- Hay Budden Mfg. Co., Cleveland, Ohio.** Anvils. B-23.
- Heald L. S., Barry, Mass.** Twist drill grinders. R-16.
- Hendry Machine Co., Torrington, Conn.** Lathes. B-8.
- Hickman, Melhorn & Co., Pittsburg, Pa.** Pipe threading machines. A-5.
- Hofels, F. W., Fort George, N. Y.** Fire apparatus. P-26.
- Hogson & Pettis Mfg. Co., New Haven, Conn.** Chucks, tools, etc. Q-26.
- Holmes Machine Co., E. & B., Buffalo, N. Y.** Wood working machinery. Q-9.
- Howard Iron Works, Buffalo, N. Y.** Elevators, presses, etc. B-8.
- International Time Recording Co., New York City.** Time recording machines. A-18.
- Jacobson Machine Co., New York, N. Y.** Steel pulleys. N-9.
- Jenkins Bros., 71 John St., New York, N. Y.** Valves. Manufacturers of Jenkins Bros. valves for steam, water and gas; Jenkins '96 packing, discs, pump valves, gaskets, gasket tubing, etc. Sellers restarting injectors. S-4.
- Jeungst & Sons, Geo., Groton Falls, N. Y.** Shapers. O-7.
- Kearbey & Mattison Co., Ambler, Pa.** Pipe and boiler covering. In Power Plant.
- Kelly Bros & Spielman, Philadelphia, Pa.** Belt lacing machines. N-7.
- Kennedy Valve Co., New York City.** Valves. S-4.
- Kensington Engine Works, Philadelphia, Pa.** Valve regulators. Power Plant.
- Keystone Electric Co., Erie, Pa.** Generators. In Power Plant.
- Kleley & Mueller, New York City.** Steam specialties. S-6.
- Knowles Steam Pump Co., New York, N. Y.** Pump. Pumping drinking water in Electric Tower.
- Knowlton & Beach, Rochester, N. Y.** Paper box machines. P-4.
- Lamb & Ritchie, Cambridgeport, Mass.** N-4.
Tin lined wrought iron pipe; lead lined wrought iron pipe. To avoid lead or brass poison in water block tin and wrought iron pipes are melted together. They cannot be separated even by bending or hot water.
- Landis Tool Co., Waynesboro, Pa.** Guldung machines. 19-P.
- Lancaster Machine & Knife Co., Lancaster, N. Y.** Knives. S-20.
- Lane & Bodley, Cincinnati, Ohio.** Engines. K-17.
- Lasier Gas Engine Co., Buffalo, N. Y.** Gas engines. Power Plant.
- Lidgerwood Mfg. Co., 96 Liberty St., N. Y.** Hoisting engines (steam and electric) for all hoisting purposes. Over 17,500 in use. Cableways, hoisting and conveying devices for mining, quarrying, logging, dam construction, etc. The Marine Cableway. The rapid unloader for ballasting railroads.
- Lodge & Shipley, Cincinnati, O.** Engine lathes. P-9.
- Long & Allstater, Hamilton, Ont.** Machinery. N-22.
- Lunkenheimer Co., The, Cincinnati, Ohio.** Valves, etc. Sole makers and patentees of brass and iron valves, whistles, lubricators, injectors, cocks, oil and grease cups, and engineering appliances of superior quality. Write for catalogue. L-5.
- Machinist Supply Co., Rochester, N. Y.** Wood pulleys. N-7.
- Manion Optical Co., Buffalo, N. Y.** Optical goods. P-7.
- Marinette Iron Works Mfg. Co., Marinette, Wis.** Engines. J-8. In Power Plant.
- Merrill Mfg. Co., Toledo, Ohio.** Pipe threading and cutting machines. Q-10.
- Mertz Sons, Geo., Port Chester, N. Y.** Wood mouldings. N-23.
- Midgley & Thompson, Buffalo, N. Y.** Automatic fire alarm. P-26.
- Mietz, August, New York, N. Y.** N-6. Gas and kerosene engines.
- Mine & Smelters' Supplies Co.** Mining machinery. O-25.
- Monarch Fire Appliance Co., New York, N. Y.** Fire extinguishers. C-24.
- Monarch Mfg. Co., Waterbury, Conn.** Engine stop system. Power Plant.
- Morris Machine Works, Baldwinville, N. Y., U. S. A.** Pumps, etc. L-4.
Centrifugal pumping machinery. Oldest and largest concern of its kind in America.

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- Morse Twist Drill Co.,** New Bedford, Mass. Drills, etc. Q—13.
- Morton Mfg. Co.,** Muskegon Heights, Mich. Naphtha launches. A—5.
- Munson Bros.,** Utica, N. Y. Grinding mills. P—3.
- Murray Iron Works,** Burlington, Ia. Engines. J—18. In Power Plant.
- Nash Gas Engine Co.,** New York, N. Y. In Power Plant. Gas engines.
- National Meter Co.,** New York City. Meters. L—4.
- National Pipe Bending Co.,** New Haven, Conn. Pipe machines. Q—1.
- National Tube Co.,** Pittsburg, Pa. Tubing, etc. K—2.
- Neames Bros.,** Troy, N. Y. Shaking grate. C—1.
- New York Belting and Packing Co.,** New York, N. Y. Rubber belting. N—18.
- New York Leather Belting Co.,** New York City. Belting and lace goods. N—19.
- Niagara Machine & Tool Co.,** Buffalo, N. Y. Tools. O—23.
- Niles-Bement-Pond Company,** 136 and 138 Liberty St., New York, N. Y. Tools, iron working machinery. L—23.
- Noera Mfg. Co.,** Waterbury, Conn. A—5. Hardware and bicycle specialties.
- Norton Emery Wheel Co.,** Worcester, Mass. Emery wheels. R—15.
- Nowotony, John S.,** Electric Co., Cincinnati, Ohio. Motor. P—24.
- Oliver Mfg. Co.,** Buffalo, N. Y. Dental machinery. N—25.
- Omey, Warren,** Buffalo, N. Y. Fire escape. S—5.
- Oncida National Chuck Co.,** Oncida, N. Y. Chucks. P—26.
- Oncida Steel Pulley Co.,** Oncida, N. Y. Pulleys. N—10.
- Onondaga Dynamo Co.,** Syracuse, N. Y. Dynamos, motors, etc. J—16.
- Otto, Albert,** New York, N. Y. Turning machine. B—6.
- Otto Gas Engine Works,** Philadelphia, Pa. Gas engines. R—7.
- Pfaudler Vacuum Fermentation Co.,** Rochester, N. Y. Beer tanks. I—5.
- Philadelphia Pneumatic Tool Co.,** Philadelphia, Pa. Pneumatic tools. C—5.
- Pittsburg Meter Co.,** East Pittsburg, Pa. Meters. L—4.
- Port Chester Bolt & Nut Co.,** Port Chester, N. Y. S—23.
- Potter & Johnston Co.,** Pawtucket, R. I. Turning machines, etc. O—17.
- Powell, Wm. Co.,** The. Brass specialties. S—9.
- Powers Regulator Co.** Thermostats. I—4.
- Pratt & Whitney,** Hartford, Ct. Lathes and machine tools. O—16. Machine tools, standards and gauges, taps, dies, reamers and milling cutters. Complete plants furnished for manufacturing the component parts of guns, sewing machines and similar articles on the interchangeable system.
- Prentice Bros.,** Worcester, Mass. Lathes and drilling machines. Q—16. Largest line drilling machine in the world. Engine lathes 12 to 24-inch swing. Electrically and belt driven. Awards: Chicago, Brussels and Paris.
- Prentiss Tool and Supply Co.,** New York, N. Y. Lathes. P—8.
- Purity Stopper Co.,** New York. Stopper machines. B—6.
- Quinby, Wm. E.,** New York, N. Y. Screw pump, removing water from base of Gruson Turret.
- Rand Drill Co.,** New York, N. Y. Drills, etc. Drills, engines, etc. N—7.
- Reeves Pulley Co.,** Columbus, Ind. Power transmission machinery. P—13.
- Replege Governor Works,** Akron, Ohio. Water wheel governors. M—4.
- Rheinstrom Bros.,** Cincinnati, O. Filters. C—4.
- Rider Ericson Engine Co.,** New York City. Hot air engines. K—4.
- Rivett-Dock Co.,** Brighton, Boston, Mass. Threading tools. R—9.
- Robins Conveying Belt Co.,** 13 Park Row, New York, N. Y. Conveying machinery. Exhibits show two full size Robins Patent Belt Conveyors in operation, with Automatic Tripper for unloading the belt at any point. B—3.
- Rodney Hunt Machine Co.,** Orange, Mass. Water wheels, fumes, etc. C—11.
- Roebling & Sons, John A.,** Trenton, N. J. Cables, etc. F—13.
- Rogers & Co., S.,** Buffalo, N. Y. Knife grinding machinery. Q—15.
- Rogers & Hemphill, Alfred, N. Y.** Boring and turning mills. P—8.
- Rollins & Co., Geo. D.,** Phila., Pa., In Power Plant. Machinery packing.
- Ross Valve Co.,** Troy, N. Y. Packing valves. S—6.

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- Rowe, A. C.,** New York City. Fire extinguishers. O-28.
- Russell, Burdall & Ward Bolt and nut Co.,** Port Chester, N. Y. Bolts and nuts. S-20.
- Sackett Screen Co.,** Chicago, Ill. Screens, and coal dealers' supplies. D-1.
- Schieren & Co.,** New York, N. Y. Leather belting. N-15.
- Schreiber, L., & Sons Co.,** Cincinnati, O. Superstructure. P-8.
- Scott & Williams,** Philadelphia, Pa. Knitting machines. The original and largest builders of rib knitting machinery in this country. All kinds of machinery in the art of circular knitting for underwear, hosiery, etc. F-9.
- Shelby Steel Tube Co.,** Cleveland, Ohio. Tubing. I-2.
- Sherwood Mfg. Co.,** Buffalo, N. Y. Injectors, etc. S-8.
- Simplex Time Recorder Co.,** Gardner, Mass. Time recorders, etc. B-16.
- Skinner Engine Co.,** Phil., Pa. Engine. In Power Plant.
- Smith Machine Co.,** Smithville, N. J. Wood working machinery. C-4.
- Snow Steam Pump Works,** Buffalo, N. Y. Pumps in Power Plant.
- Sockanisset School,** Providence, B. I. Tools. S-5.
- South Bend Pulley Co.,** South Bend, Ind. Wood and steel pulleys. N-11.
- Standard Tool Co.,** Cleveland, Ohio. Twist drills and reamers. Exclusive manufacturers of "Standard" twist drills, reamers, taps, milling cutters, drill chucks, end mills, involute gear cutters, and twist drill grinding machines. S-19.
- Starrett Co.,** L. S., Athol, Mass. Machinists' tools. P-13.
- Sterling Lubricator Co.,** Power Plant. Oils.
- Straight Line Engine Co.,** Syracuse, N. Y. Engine. Power Plant. H-9.
- Struthers, Wells & Co.,** Warren, Pa. Gas engine. Power Plant.
- Taber Pump Co.,** Buffalo, N. Y. Rotary pumps. L-4.
- Taylor Iron & Steel Co.,** High-bridge, N. J. D-2. Hadfield's manganese steel - hard, tough, durable, cannot be machined, but does not break. Best material for wearing parts of all kinds of machinery for crushing and handling ore, stone, coal, coke, etc.
- Toerring & Co.,** C. J., Philadelphia, Pa. Lamps in building.
- Tremont Mfg. Co.,** Roxbury, Mass. Pipe tools. S-9.
- Triumph Electric Co.,** Cincinnati, Ohio. Motor. P-7.
- Underfeed Stoker Co.,** of America. Stokers. M-6.
- Vincent Valve Co.,** Owosso, Mich. Valves. S-5.
- Verhees Rubber Mfg. Co.,** Jersey City. Rubber mats. P-26.
- Vulcan Iron Works,** Chicago, Ill. Pile driver. H-4.
- Walworth Mfg. Co.,** Boston, Mass. Valves, etc. M-21.
- Warner & Swasey,** Cleveland, Ohio. Tools. Q-11.
- Warren-Omey Co.,** The, Gormer, Mich. Portable fire escape. P-26.
- Washburn Shops,** Worcester, Mass. P-19. Machinists, pattern makers, brass and iron founders. Manufacturers of fine machine tools and grinding machinery, including the celebrated Worcester Drill Grinders. Send for catalogue.
- Watertown Engine Co.,** Watertown, N. Y. Engine. In Power Plant. J-10.
- Weber Gas and Gasoline Engine Co.,** Kansas City, Mo. Engines. R-8.
- Wenzell Machine Co.,** S. S., Philadelphia, Pa. Bottle machines. O-5. Vehicles.
- Werner & Pfeiderer,** Saginaw, Mich. F. Nots, Mgr. Q-23. "Universal" Kneading and Mixing Machines; over 8,000 used by the chemical and bakers' trades in this country and throughout Europe. Home factory in Cannstatt (Germany).
- Western Tube Co.,** Kewanee, Ill. Steel tubing, etc. G-2.
- Westinghouse Co.,** Pittsburg, Pa. Generator. In Power Plant.
- Wheeling Mould & Foundry Co.,** Wheeling, W. Va. Glass tumbler machines. N-4.
- Wheeler Condensing and Engineering Co.,** New York, N. Y. Condenser. In Power Plant.
- White & Co.,** L. & I. J., Buffalo, N. Y. Edge tools, etc. S-22.
- Whitney Mfg. Co.,** Hartford, Conn. Milling machines, etc. Q-17.
- Wilmarth & Morman Co.,** Grand Rapids, Mich. Drill grinders. R-17.

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- Williams & Co., J. H., Brooklyn, N. Y.** Drop forgings. Q-4.
Vulcan chain pipe wrenches, special drop forgings, drop-forged wrenches, tools and machine parts.
- Wood, William T. & Co., Arlington, Mass.** Ice tools. G-21.
- Worthington, Henry R., New York, N. Y.** Steam pumping machinery, condensers, etc. I-6.

TRANSPORTATION.

- American Fog Horn Co.** Fog horn. A-7.
- American Ice Co., Philadelphia, Pa.** Ice tools and wagon. H-23.
- American Motor Co., New York City.** Gasoline launch. B-6.
- American Roller Bearing Co., Boston, Mass.** Roller bearings. F-15.
- Automobile Co. of America, New York City.** Automobiles. B-6.
- Ayres & Son, Wm., Philadelphia, Pa.** Horse blankets. H-22.
- Bailey & Co., S. R., Amesbury, Mass.** Road wagons. B-23.
- Baker Motor Vehicle Co., Cleveland, O.** Automobiles. 18-E.
- Bennett, J. C. S., Photo Enlargements.** A-18.
- Bryden Horse Shoe Co., Catsaugs, Pa.** Horseshoes. B-23.
- Buffalo Electric Carriage Co., Buffalo, N. Y.** Automobiles. B-18.
- Buffalo Gasoline Motor Co., Buffalo, N. Y.** Motors.
- Buffalo Metal Goods Co., Buffalo, N. Y.** Bicycle fittings.
- Buffalo Spring & Gear Co., Buffalo, N. Y.** Vehicles in white. F-23.
- Canadian Pacific Railway System, Montreal, Canada.** Views. A-17.
- Cately & Eitting, Cortland, N. Y.** Carriage tops. E-26.
- Chase, L. C. & Co., Boston, Mass.** Horse blankets, robes, etc. F-20.
- Chicago & North Western R. R.** Model ticket office. M-25.
- Cleveland Ball and Screw Co., Cleveland, O.** Steel balls. F-17.
- Conrad Motor Carriage Co., Buffalo, N. Y.** Automobiles. F-7.
- Consolidated Hoof Pad Co., New York City.** Rubber hoof pads. H-20.
- Cowles & Co., C., New Haven, Conn.** Carriage trimmings.
- Crane & Breed, Cincinnati, Ohio.** D-6.
Hearse. Manufacturers of metallic burial cases and caskets, wood coffins and caskets, cloth-covered caskets, hardware and undertakers' supplies. Hearse, undertaking wagons, hearse trimmings, etc.
- De Dion-Bouton Motorette Co., Brooklyn, N. Y.** Automobiles. 16-E.
- Durand Boat Mfg. Co., Rochester, N. Y.** Foot-power launches. A-7.
- Eastman Automobile Co., Cleveland, Ohio.** Automobiles. F-17.
- Electric Vehicle Co., New York City.** Automobiles. C-12.
- Elkhart Carriage Co., Elkhart, Ind.** Vehicles. E-22.
- Emery Tire Co., Providence, R. I.** Rubber tires. F-19.
- Empire Motor Works, Buffalo, N. Y.** Motors and gears. F-18.
- Excelstor Machine Co., Buffalo, N. Y.** Steel balls. F-17.
- Fisk Rubber Co., Buffalo, N. Y.** Rubber tires. E-26.
- Gas Engine & Power Co., and Chas. L. Seabury & Co., consolidated, Morris Heights, on the Harlem, and 11 Broadway, New York, N. Y.** A-4.
The only naphtha launch, steam and sail yachts, marine engines, water-tube boilers.
- Goodwin Car Co., New York, N. Y.** Dumping car. F-4.
- Goodyear Rubber Co.** Rubber tires. G-22.
- Grand Trunk Railway System, Montreal, Can.** Views. A-9.
- Grant Ball Mfg. Co., Cleveland, Ohio.** Steel balls. F-17.
- Grant Shaft Coupling Co., Philadelphia, Pa.** Couplings and horse-shoes. H-22.
- Grout Bros., Orange, Mass.** Steam vehicles. D-8.
- Hallanan, M., New York, N. Y.** Horse shoes and pads. F-22.
- Hamburg American Line, New York, N. Y.** Models, maps, etc. C-3.
- Haynes Apperson Co., Kokomo, Ind.** Gasoline automobiles. B-20.
- Hengerer Co., The Wm., Buffalo, N. Y.** Bicycles. B-26.
- Holland American Line, New York, N. Y.** Model liner. C-1.
- Hooker & Co., Henry, New Haven, Conn.** Vehicles. B-24.
- International Navigation Co., Philadelphia, Pa.** Model liner. L-25.

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- Irwin Chas. P., Red Bank, N. J.**
Ice boat models. E—7.
- Kidder Motor Vehicle Co., New Haven, Conn.** Steam vehicles. D—9.
- Knox Automobile Co., Springfield, Mass.** Gasoline vehicles. D—20.
- Koller Carriage Co., Glen Rock, Pa.** Vehicles. C—22.
- Locomobile Co. of America, New York City.** Locomobiles. D—17.
- Milwaukee Automobile Co., Milwaukee, Wis.** Automobiles. A—20.
- Mobile Co. of America, Tarrytown on Hudson, N. Y.** Mobiles. C—18.
- National Cycle Mfg. Co., Bay City, Mich.** Cycles. B—22.
- Niagara River Navigation Co., Toronto, Ont.** Views. A—24.
- New York Motor Vehicle Co., 26 Broadway, N. Y.** Motor vehicles. Makers steam vehicles, omnibuses, trucks, delivery wagons, carriages; kerosene oil used for fuel; no odor; no smoke; no steam showing. Absolute safety, self-feeding boiler.
- Notman & Son., Wm.** Photo Enlargements. A—18.
- Overman Auto Co., New York City.** Steam automobiles. A—21.
- Palmer Bros., Mianus, Conn.** Launches. B—3.
- Pennsylvania Iron Works, Philadelphia, Pa.** Gasoline engines. H—4.
- Pennsylvania Rubber Co., Erie, Pa.** Tires, etc. N—21.
- Pierce, G. N. & Co., Buffalo, N. Y.** Bicycles. Sole manufacturers of Pan-American special bicycles which combine bevel gear, chainless, cushion frame and hub coaster brake. See "A Study in Vibration." A—23.
- Rescue Life Boat Co., Muskegon, Mich.** Life boat. G—6.
- Revere Rubber Co., Boston, Mass.** Rubber goods, tires, etc. F—21.
- Richellew & Ontario Navigation Co., Montreal, Canada.** Views. A—3.
- Rider Boiler Works, New York City.** Automobile boiler. A—5.
- Riker Motor Vehicle Co., Elizabethport, N. J.** Automobiles. D—13. Ambulance, mail and patrol wagons in Exposition service.
- Rock Falls Mfg. Co., Sterling, Ill.** Ambulances, undertaking wagons, etc. D—7.
- Schubert Bros. Gear Co., Oneida, N. Y.** Vehicle gears. E—26.
- Selle Gear Co., Akron, Ohio.** Wagon gears. C—26.
- Simpson Thos. I., New York.** Boat fittings. D—9.
- Standard Anti-Friction Equipment Co., New York, N. Y.** Ball bearings, etc. F—16.
- Steamobile Co. of America, New York City.** Automobiles. A—19.
- Stearnes Steam Carriage Co., Syracuse, N. Y.** Automobiles. D—7.
- Steel Ball Co., Chicago, Ill.** Steel balls. F—17.
- Stratton Motor Cycle Co.** Motor cycles. D—24.
- Studebaker Bros., South Bend, Ind.** Vehicles. H—25.
- Thomas Motor Co., Buffalo, N. Y.** Motor cycles, etc. A—21.
- Truscott Boat Co., St. Joseph, Mich.** Launches, boats, etc. A—5.
- Twentieth Century Mfg. Co.** Vehicle lamps. D—26.
- U. S. Hame Co., Buffalo, N. Y.** Hames. G—21.
- U. S. Tire Inflator Co., Buffalo, N. Y.** Tire inflators. C—24.
- Van Wagenen, M., Syracuse, N. Y.** Dump wagons.
- Veeder Mfg. Co., Hartford, Ct.** Cyclometers, etc. F—18.
- Wadman Cycle Co., Utica, N. Y.** Bicycles. C—26.
- Walburn & Riker, St. Paris, Ohio.** Vehicles. J—23.
- Werner, Geo., Buffalo, N. Y.** Carriages, buggies, etc. C—24.
- West, Francis.** Pictures. A—18.
- Woods Motor Vehicle Co., Chicago, Ill.** Automobiles. 15—B.

MEXICO.

- Administracion General de Correos, Mexico, Distrito Federal.**
Postal conventions. Postal laws and regulations. Scales, Letter Boxes, etc.
- Gobierno del Estado de Mexico, Toluca.** Silvered and embroidered saddie.
- Leyarish, Jose, Leon, Guanajuato.** Saddles.
- Limon, Raimundo, Tulancingo, Hidalgo.** Embroidered saddle.
- Vent, Andres, Mexico, Distrito Federal.** Mail coach model.
- Vilches, Tiburcio, Leon, Guanajuato.** A bit.

Agricultural Implements.

Thos. M. Moore, Supt.

The exhibits of agricultural implements are arranged under the south side of the Stadium Building.

EXHIBITORS.

- American Grass Twine Co., St. Paul, Minn. Grass twine goods.
- Bickford & Huffman, Macedon, N. Y. Seed drills.
- Bowen Cable Stay Fence Co., Norwalk, O. Fence making machine.
- Bradley Mfg. Co., Bradley, Ill. Plows, cultivators, etc.
- Bucher & Gibbs Plow Co., & F. E. Myers & Bro., Canton, O. Plows, etc.
- Buffalo Pitts Company, Buffalo, N. Y. Agricultural machinery. In Mission Bldg., north of Dairy Bldg.
- Campbell Fanning Mill Co., Chat-ham, Ohio. Fanning mills.
- Chadborn & Coldwell Mfg. Co., Newburg, N. Y. Lawn mowers.
- Coldwell Lawn Mower Co., Newburg, N. Y. Lawn mowers, etc.
- Collins Plow Co., Quincy, Ill. Plows, harrows, etc.
- Deere & Mansur Co., Moline, Ill. Hay rakes, harrows, etc.
- Deere & Co., Moline, Ill. Plows and harrows.
- Doty & Derill, Los Angeles, Cal. Mower sharpener.
- Dowden Mfg. Co., Prairie City, Ia. Potato harvesters.
- Empire Drill Co., Shortsville, N. Y. Drills.
- Farquhar Co., A. B., York, Pa. Threshers, drills, etc.
- Frick Co., Waynesboro, Pa. Trac-tion engines, threshers, etc.
- Genesee Valley Mfg. Co., Mt. Mor-ris, N. Y. Grain drills.
- Hartman Mfg. Co., Edwood City, Pa., Wire goods.
- Hoever & Prout, Avery, O. Pota-to digger.
- Huntley Mfg. Co., Silver Creek, N. Y. Grain and seed machinery.
- Iowa Farming Tool Co., Fort Madison, Iowa. Farming tools.
- Kemp & Burpee Mfg. Co., Syra-cuse, N. Y. Manure spreaders.
- Kemp Mfg. Co., Newark Valley, N. Y. Manure and fertilizer distributor.
- Louden Machinery Co., Fairfield, Iowa. Hay carriers, door hangers, etc.
- Mast Co., P. P., Springfield, Ohio. Grain drills and cultivators.
- Myers & Bros., F. E., Canton, O. Pumps, hay forks, etc.
- Oliver Chilled Plow Co., South Bend, Ind. Plows.
- Squier Mfg. Co., The Geo. L., Buf-falo, N. Y. Plantation machinery.
- Studebaker Bros. Mfg. Co., South Bend, Ind. Farm and heavy wagons.
- Supplee Hardware Co., Philadel-phia, Pa. Lawn mowers.
- Syracuse Chilled Plow Co., Syra-cuse, N. Y. Plows, harrows, etc.
- Wiard Plow Co., Batavia, N. Y. Plows, harrows, etc.
- Withington & Cooley Mfg. Co., Jackson, Mich. Farming tools, etc.

Railway Exhibit Building.

Thos. M. Moore, Supt.

EXHIBITORS.

- American Railway Supply Co.,** New York City. Badges, etc.
- Baldwin Locomotive Works,** Philadelphia, Pa. Manufacturers of locomotives, single expansion and compound, compressed air locomotives, electric locomotives and electric trucks, mine and tramway locomotives, etc.
- Brill Co., J. G.,** Philadelphia, Pa. Builders of electric railway cars and electric and steam railway trucks; awarded Grand Prix, Paris Exposition of 1900.
- Brooks Locomotive Works,** Dunkirk, N. Y. Locomotives.
- Buckeye Malleable Iron and Coupler Co.,** Columbus, O. Couplers, etc.
- Burnham, Williams & Co.,** Philadelphia, Pa. Electric engines, etc.
- Consolidated Car Heating Co.,** Albany, N. Y. Car system.
- Continuous Rail Joint Company of America.** Continuous rail joints, step joints and insulated joints. Ten thousand (10,000) miles of railroad track in the United States are equipped with continuous rail joints. General offices, Newark, N. J., U. S. A.
- Delaware, Lackawanna & Western R. R. Co.** Train and exhibit cars. Car fixtures, etc.
- Edwards, O. M.,** Syracuse, N. Y. Car fixtures, etc.
- Gold Car Heating Co.,** New York City. Car systems.
- Goodwin Car Co.,** New York City. Dump cars.
- Goold Coupler Co.,** Depew, N. Y. Couplers, etc.
- Light Inspection Car Co.,** Hagerstown, Ind. Inspection cars.
- McGuire Mfg. Co.,** Chicago, Ill. Snow plow, sweeper, etc.
- Merchants' Despatch and Transportation Co.,** New York City. Refrigerator car.
- Merritt Electric Air Brake Co.,** New York City. Air brakes.
- Moran Flexible Joint Co.,** Louisville, Ky. Rail joints.
- New York Central Railway,** De Witt Clinton Train, locomotives, etc.
- New York Air Brake Co.,** 66 Broadway, New York. Works at Wassertown, N. Y. Air brake equipment. Makers of the famous Quick Action Automatic and Straight Air Brakes, Air Pumps, Eames Vacuum Brakes, and Automatic Vacuum Brakes.
- New York Car Wheel Works,** Buffalo, N. Y. Car wheels and castings. Chilled wheels and castings of all kinds for steam railroads, electric tramway and other service. Works at Buffalo, Ramapo, Boston, Hamilton, Ont., St. Thomas, Ont.
- Pedrick & Ayer Co.,** Phila., Pa. Air compressors.
- Pressed Steel Car Co.** Pittsburg, Pa. Steel cars, etc.
- Richmond Locomotive Works,** Richmond, Va. Locomotives, etc.
- Safety Car Heating and Lighting Co.,** The, New York, N. Y. The Pintsch system of railroad car and buoy lighting. Adopted by most all the principal railroads and recommended by the U. S. Government for buoy and beacon lighting. Direct steam, and hot water circulating heating systems for railroad cars.
- Schenectady Locomotive Works,** Schenectady, N. Y. Locomotives.
- Simplex Railway Appliance Co.,** Hammond, Ind. Trucks and bolsters.
- Standard Railway Signal Co.,** Troy, N. Y. Signal system.
- Standard Steel Works,** Philadelphia, Pa. Car wheels.
- The Bucyrus Co.,** Milwaukee, Wis. Steam shovel. (East end of building, north of turntable.)
- Sterlingworth Railway Supply Co.,** Easton, Pa. Steel freight cars.

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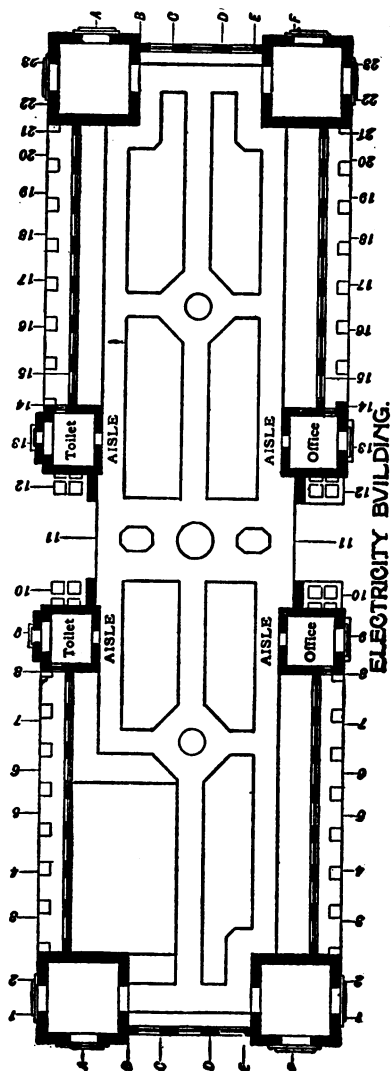
U. S. Mail Car, in operation.
Furnishing Exposition service.
Weber Railway Joint Co., New
York City. Rail Joints.
Westinghouse Mfg. Co., E. Pitts-
burg, Pa. Air brakes, etc.

**EXHIBITORS IN D., L. & W. CAR
BOX.**

Avoca Wheel Co., Avoca, N. Y.
Bangor Slate Co., Bangor, Pa.
Ben Hur Match Co. Matches.
Binghamton Overall Co., Bing-
hamton, N. Y. Overalls.
Blue Ridge Packing Co., Wilkes-
barre, Pa.
Brake Dairy Co., Portland, N. Y.
Buffalo Pitts Co., Buffalo, N. Y.
Agricultural machinery.
Carmel County Organ Co. Or-
gans.
Childs Fire Extinguisher Co.,
New York. Fire extinguishers.
Commercial Envelope Co., Bing-
hamton, N. Y.
Cotton Co., Earlville, N. Y. Per-
fumes.
Diamond Dairy Co.
Dr. Kilmer Swamp Root, Bing-
hamton, N. Y. Medicines.
Egan, James. Mining drills.
Faats Filtering Co., Lisherskin,
N. Y. Filter.
Foster Bros., Cutlery Co.
Genesee Valley Mfg. Co., Mount
Morris, N. Y.
Gould Improved M. C. D.
Heints Co. Canned goods, pickles,
etc.
Howells Mining Drill Co., Ply-
mouth, N. Y.
Hyatt Slate Co., Bangor, Pa.
Slates.
Indian Spring Water Co.

Jackson Mfg. Co. Churns.
Lestershire Boot and Shoe Mfg.
Co. Boots and shoes.
Mount Morris Milling Co., Mount
Morris, N. Y.
Nazareth Cement Co., Nazareth,
Pa. Cement.
New Jersey Zinc Co., Newark, N.
J.
Old Homestead Co., Mount Morris,
N. Y.
Owego Bridge Co., Owego, N. Y.
Page's Seed Co., Green, N. Y.
Portland Slate Co. Slates.
Portland Cement Co., Wayland,
N. Y.
Reese Machine and Tool Works,
S. Plymouth, Pa. Tools, etc.
Scranton Bolt and Nut Co., Scrant-
on, Pa.
Scranton Paint Co., Scranton, N.
Y.
Shickshinny Worsted Mills. Wor-
stedes.
Shepard, E. T., Oneida, N. Y. Win-
dow sash lock.
Sherwood Mfg. Co., Buffalo, N. Y.
Injectors.
Smith & Co., E. B. Compressed
air sprayers.
Smith Premier Typewriter Co.,
Syracuse, N. Y.
Syracuse Chilled Plow Co., Syra-
cuse, N. Y.
The Rex Acetylene Generator.
Utica Knitting Co., Utica, N. Y.
Washington Silk Mills. Silks.
Waiontha Knitting Co., Richfield
Springs, N. Y.
White Packing Co., Mount Morris,
N. Y.
Whitney Eckstein Seed Co., Buf-
falo, N. Y.
Winters & Prophet Canning Co.,
Mount Morris, N. Y.
Wyoming Shovel Works, Wyom-
ing, Pa. Shovels, etc.

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Electricity Building.

George Francis Sever, Supt.

KEY TO INSTALLATION.

For the purpose of conveniently locating the exhibits, the ground floor plan of the building (see opposite page) is divided into *sections*, which are indicated by the letters A to F in one direction, and by the figures 1 to 23 in the other. By this system each exhibit has a position of longitude and latitude. For example, an exhibit indicated in the catalogue as being at "F-4," would be found at that point where a line drawn vertically from "4" intersects with a line drawn horizontally from "F."

Some of the exhibits named in the following list are shown in other places than the Electricity Building.

NATURE OF EXHIBITS.

Dynamos, Motors and other Electrical Machinery.
Transformers, Lighting Apparatus, Electric Lights, Batteries,
Conduits, Wire, Cables, etc.
Apparatus for Electrical Measurements, Electro-Metallurgy,
Telegraph, Telephones, Electro-Medical,
Surgical and Dental Apparatus.

EXHIBITORS.

- American Clock Co., The, 385 Wash Ave., Chicago.** Electric time systems. 20—F.
- American Elec. Tele. Co., 50 W. Jackson Boul., Chicago, Ill.** Telephones. 17—C.
- American Engine Co., Bound Brook, N. J.** Dynamos. Machinery Court.
- American Steel & Wire Co., New York, N. Y.** Wire and cables. Machinery Building.
- American Tool Works Co., Cincinnati, Ohio.** Electric motor. Machinery Building.
- American Watchman's Time Detector Co., The, 234 Broadway, N. Y.** 3—E.
- American Vitrified Conduit Co., 41 Cortlandt St., New York, N. Y.** Conduits. 17—A.
- Arnold Electric Power Station Co., 1540 Marquette Bldg., Chicago, Ill.** Electrical machinery. 3—F. Designers and builders of complete electrical installations. Main office Marquette Bldg., Chicago. New York office, Transit Bldg.
- Bell Telephone Co., Buffalo, N. Y.,** Telephone exchange. 20—D.
- Bernard, E. G. Co., The, 450 Fulton St., Troy, N. Y.** Exhibit located in special building on lake shore, and operates Electric Fountain. Manufacturers dynamos, motors, electrical instruments, telephones, switchboards, and general electrical supplies.
- Bettini Phonograph Company, 110 Fifth Ave., New York, N. Y.** Phonographs. 16—F.

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- Bossert Electric Const. Co., Utica, N. Y.** Switches and panel boards. 15—A.
- Buckeye Electric Co., The, Cleveland, Ohio.** Lamps. 12—C.
Incandescent lamps.
Incandescent lamps.
Incandescent lamps.
Incandescent lamps.
- Bullock Electric Mfg. Co., Cincinnati, Ohio.** Dynamos, motors, etc. 9—C.
- Camp, H. B. Co., 307 Park St., Akron, Ohio.** Conduits. 15—A.
- Chase-Shawmut Co., Boston, Mass.** Outlet boxes. 6—F.
- Clark Auto. Tele. Switchboard Co., Providence, R. I.** Telephone apparatus. 22—C.
- Consolidated Railway Electric Light and Equipment Co., 100 Broadway, New York, N. Y.** Railway Exhibits Building.
- Crocker-Wheeler Company, Am-
pere, N. J.** Dynamos, motors, etc. Also in Gruson Turret. 10—E.
Manufacturers and electrical engineers; general office and works, Ampere, New Jersey. Branch offices in all the large cities.
- Cutler-Hammer Manufacturing Co., Milwaukee, Wis.** Rheostats. 4—E.
- Delany, Patrick B., Orange, N. J.** Telegraph instruments. 14—F.
- D'Olier Engineering Company, 125 S. 11th St., Philadelphia, Pa.** Dynamos, motors, etc. Machinery Bldg.
- Dieke Tool Co., Downer's Grove, Ill.** Electric linemen's tools. 14—A.
- D. & W. Fuse Company, Providence, R. I.** Fuses. 23—E.
- Edison Manufacturing Co., Factory, Orange, N. J.** Edison Laboratory products. 7—C.
New York office 135 5th Ave. Chicago office, 144 Wabash Ave. Foreign department, 15 Cedar St., New York.
- Elec. Storage Battery Co., Philadelphia, Pa.** Storage batteries. 7—E.
Manufacturers of the 'Chloride Accumulator' for trolley regulation, lighting and power stations, electric vehicles, launches, telephone, telegraph, etc., etc.
- Eureka Tempered Copper Works, North East, Pa.** Copper specialties, etc. 14—E.
- General Electric Company, Schenectady, N. Y.** Electrical machinery. 5—B.
- Gould Storage Battery Company, Depew, N. Y.** Storage batteries. 2—D.
- Hall, A. W., 32 Wells St., Buffalo, N. Y.** Electrical advertising machines. 15—F.
- Hanfeld, B. & E., 107 E. 23d St., New York, N. Y.** Medical apparatus. 23—C.
- Harard Mfg. Co., Wilkesbarre, Pa.** Wires and cables. 16—C.
- Holophane Glass Co., 15 E. 32d St., Globes, etc. 8—E.**
Manufacturers of compound and simple prism glass globes, shades and reflectors for scientifically increasing the illuminating of all artificial lights; awarded two gold medals Paris, 1900.
- Hutchison, M. R., New York, N. Y.** The Akouphone. 13—B.
- Illuminating Appliance Co., New York, N. Y.** 9—D.
- Inc. Elec. Lt. Manipulator Co. 116 Bedford St., Boston, Mass.** Electric light manipulators. 23—B.
- Jandus Electric Company Cleveland, Ohio.** Lamps. 12—C.
Arc lamps, fan motors.
Arc lamps, fan motors.
Arc lamps, fan motors.
Arc lamps, fan motors.
- Jantz & Seitz, Cincinnati, Ohio.** Electroplating dynamo and driving motor. Graphic Arts Workshop.
- Johnson, Eldridge R., Philadelphia, Pa.** Gramophones. 17—F.
- Kellogg Switchboard & Supply Co., Chicago, Ill.** Telephones. 18—E. 14—B.
- Keystone Electric Company, Erie, Pa.** Electric machinery, working exhibit in Machinery and Transportation Bldg.
- Lea Manufacturing Co., Elwood, Indiana.** Arc and search lights. 15—E.
- Lincoln, P. M., Niagara Falls, N. Y.** Phase indicator. 11—C.
- Lubin, S., Philadelphia, Pa.** 19—E.
Life motion picture machines.
- Mann Bros., 6 Wabash Ave., Chicago, Ill.** Washing machines. 6—F.

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- Mason Monogram Company, 11 Broadway, New York, N. Y.** Electric signs. 21—F.
- McGraw Publishing Co., New York, N. Y.** Publications. 20—A.
- McRoy Clay Works, Brazil, Ind.** Conduits. 16—B.
- Meyrowitz, E. B., New York, N. Y.** Eye magnet. Manufactures Bldg.
- Morris Electric Company, 15 Cortlandt St., New York, N. Y.** Electric supplies. 12—A.
- Mygatt, Otis A., New York, N. Y.** 9—D.
- National Automatic Telephone Co., 75 W. Jackson Boul., Chicago, Ill.** Telephones. 21—C.
Manufacturers of the National Automatic Telephones and party line phones; also series and bridging bells phones. See our exhibit.
- National Carbon Company, Cleveland, Ohio.** Carbons. 16—A.
- National Gramophone Corporation, 874 Broadway, New York, N. Y.** Gramophones. 18—F.
- Niagara Falls Power Co., Niagara Falls, N. Y.** Models of power plant. 2—D.
- Northern Electric Mfg. Co., Madison, Wis.** Electric machinery. 5—E.
- Ondaga Dynamo Company, Syracuse, N. Y.** Electrical machinery. In Machinery Building.
- Perkins, Frank C., Buffalo, N. Y.** Electrical specialties. 23—E.
- Peru Electric Mfg. Co., Peru, Indiana.** Porcelain specialties. 18—A.
- Pittsburg Reduction Co., Niagara Falls, N. Y.** Aluminum conductors. Manufactures Building.
- Porter Battery Co., 1023 Menadnock Block, Chicago, Ill.** Storage batteries. 14—E.
- Richmond Elec. Conduit Co., Milwaukee, Wis.** Conduits. 6—F.
- Robbins & Myers Co., The, Springfield, Ohio.** Motors, dynamos, fans. 17—E.
- Roebing's Sons Co., J. A., Trenton, N. J.** Wire and cables. Machinery Bldg.
- Rowell, C. B., M. D., 945 Niagara St., Buffalo, N. Y.** Electro-static machines. 22—F.
- Safety Insulated Wire and Cable Co., New York, N. Y.** Manufacturers of "Safety" Seamless Rubber Insulated Wire and Cables for aerial, underground and submarine use. Safety wire used exclusively by the Pan-American Exposition Co. 18—E.
- Shedd Elec. & Mfg. Co., New York, N. Y.** Electric fans. Manufactures Bldg.
- Sprague Electric Co., 527 West 84th St., New York, N. Y.** Motor. Dairy Building.
- Standard Paint Co., New York, N. Y.** Insulating compounds. Near Dairy Bldg.
- Standard Underground Cable Co., Pittsburg, Pa.** Wires and cables. 16—C.
- Stanley Electric Mfg. Co., Pittsfield, Mass.** Electric machinery. 5—E.
- Stanley Instrument Co., Great Barrington, Mass.** Electrical instruments. 6—E.
- Stromberg-Carlson Tele. Mfg. Co., 82 W. Jackson Boul., Chicago, Ill.** Telephones. Working exhibit about grounds. 18—C.
- Submerged Electric Motor Co., Menominee, Wis.** Electric launch motors. Electric boat propellers. It is the latest invention. Is in operation on the Park Lake. A portable and perfect outfit for small boats for pleasure and sportsman's use. 5—F.
- Syracuse Electric Instrument Co., Syracuse, N. Y.** Instruments. Working exhibit in Machinery Bldg.
- Toerring, C. J. Co., Arc Lamps, 1035 Ridge Ave., Philadelphia, Pa.** Exhibit in Machinery and Transportation Building.
- Wagner Electric Mfg. Co., St. Louis, Mo.** Electrical machinery. 10—B.
- Wagner, E. V., & Co., 308 Dearborn St., Chicago, Ill.** Electro static machines. 23—C.
- Waite & Bartlett Mfg. Co., 108 E. 23d St., New York, N. Y.** Electro-static machines. 23—D.
- Warren Electric Mfg. Co., Sandusky, Ohio.** Dynamos, motors and transformers. 18—C.
- Western Electric Co., New York, N. Y.** Telephones. 20—D.
- Western Electrician, Chicago, Ill.** Publications. 15—B.
- Westinghouse Electric and Mfg. Co., Pittsburg, Pa.** Electrical machinery. 11—C.
- White, O. C. Co., Worcester, Mass.** Electric fixtures. 21—A.
- Wilhelm Telephone Mfg. Co., Buffalo, N. Y.** Telephones. 19—C.

COLLECTIVE ELECTRIC EXHIBITS.

**W. J. Marland, Curator, 132
Nassau Street, New
York, N. Y.**

- Bogue, Chas. J., 215 Centre St.,**
New York, N. Y. Search lights. 3-F.
- Brown, Harold P., 120 Liberty St.,**
New York, N. Y. Rail bonds. 3-F.
- Cameron, H. P., Mec. Mfg. Co.,**
220 N. Clinton St., Syracuse, N. Y.
Commutators. 3-F.
- Chicago Fuse Wire & Mfg. Co.,**
Chicago, Ill. Fine wires. 3-F.
- Crescent Mfg. Co., 134 E. Van Buren**
St., Chicago, Ill. Cord adjusters. 3-F.
- Cushing, H. G., Jr., 38 Cortlandt**
St., New York, N. Y. Wiring manual.
3-F.
- Diamond Arc Lamp Co., 146 Mt.**
Vernon Ave., Mt. Vernon, N. Y. Arc
lamps. 3-F.
- Dunn-Martin Elec. Co., 75 Nassau**
St., New York, N. Y. Medical bat-
teries. 3-F.
- Edison-Johnson Elec. Mfg. Co., 50**
Broadway, New York, N. Y. Trolley
harps. 3-F.
- Electric Contract Company, 61**
Elm St., New York, N. Y. Testing
sets. 3-F.
- Ericsson Telephone Company,**
296 Broadway, New York, N. Y. Tele-
phones. 3-F.
- Eachwei Electric Co., New York,**
N. Y. Arc lamps. 3-F.
- Gilbert, P. H., Scranton, Pa. Trol-**
ley pole. 3-F.
- Hart Mfg. Co., Hartford, Conn.**
Switches. 3-F.
- Hazzer Telephone Co., 6 Dover**
St., New York, N. Y. Telephones.
3-F.
- Herzog Teleseme Co., 81 West 24th St.,**
New York, N. Y. Annunciators. 3-F.
- Hydra Double Battery Co., 32 Broad-**
way. Batteries. 3-F.
- Indeletrics Mfg. Co., New York,**
N. Y. Medical batteries. 3-F.
- Krants, H., Boerum Pl. and State**
St., Brooklyn. Switchboards. 3-F.
- McLeod, Ward & Co., 27 Thames St.,**
New York, N. Y. Disk shades. 3-F.
- Parsell & Weed, 131 West 31st**
St., New York, N. Y. Small motors
and electric appliances. 3-F.
- Phelps Co., The, Detroit, Mich. Incan-**
descent lamps. 3-F.
- Prentiss Clock Improvement Co., 49**
Dey St., New York, N. Y. Electric clocks
and time switches. 3-F.
- Pyle Nat. Elec. Headlight Co., Chi-**
cago, Ill. Electric headlight. 3-F.
- Queen & Co., 1010 Chestnut St.,**
Philadelphia, Pa. Electrical measur-
ing instruments. 3-F.
- Roche, William, 42 Vesey St., New**
York, N. Y. Dry batteries. 3-F.
- Sage & Bro., 130 Liberty St., New**
York, N. Y. Ohm meter. 3-F.
- Socket Extension Tap Co., Boston,**
Mass. Extension taps. 3-F.
- Speer Carbon Co., St. Marys, Pa.**
Carbons. 3-F.
- Standard Elec. Welding Co.,**
Cleveland, Ohio. Electrically welded
materials. 3-F.
- Stewart, F. H. & Co., 35 N. 7th St.,**
Philadelphia, Pa. Cord adjusters.
3-F.
- Stow Manufacturing Co., Bing-**
hamton, N. Y. Electric motor and
drill. 3-F.
- Tardie, Emile J., 221 Sixth Ave.,**
New York, N. Y. Electric novelties.
3-F.
- Thomson Elec. Welding Co.,**
Lynn, Mass. Samples of electric
welding. 3-F.
- Utica Drop Forge & Tool Co., 326**
Broadway, New York, N. Y. Electricians'
tools. 3-F.
- Vosburg, W. G. Mfg. Co., 296 State**
St., Brooklyn, N. Y. Electric fixtures.
3-F.

Mines Building.

David T. Day, Supt.

NATURE OF EXHIBITS.

Ores, Iron, Copper and Nickel, Gold, Silver, etc.
Limestones, Marble, Sandstones, Trap, Building
and Ornamental Stones, Petroleum Products, Salts, Mineral
Paints, Clay, Brick, Tile, etc.

EXHIBITORS

- Abbott & Embury Mine, Ontario.** Magnetic iron.
- Acheson Graphite Co., Niagara Falls.** Graphite and carbide of silica.
- Adams, J. W., Carson City, Nev.** Gypsum.
- Adams, Michael, Baltimore.** Clay.
- Adelaide Mine, Contact, Elko County, Nev.** Copper ores.
- Alabama Kaolin Co., Boston, Mass.** Clay and brick.
- Alaska Marble Co., Portland, Ore.** One column black marble.
- Alaska Geographical Society, Sitka.** Gold, copper and other ores.
- Albany Stone Co., Albany, Oregon.** Sandstone.
- Albany Slip Clay Co., Albany, N. Y.** Slip clay.
- Alcatraz Company, The, of Los Angeles, Cal.** Refined asphalt.
- Algonquin Red Slate Co., Worcester, Mass.** Mineral Paint.
- Alice A., Little Turtle, Mine Center, Ont.** Gold ores.
- Alida Valley, L. Chiatovich, Alida, Esmeralda Co., Nev.** Lead and silver.
- Allen Granite Construction Co., Waterloo, N. J.** Building stone.
- Allen, Lem., St. Clair, Churchill Co., Nev.** Tin ore.
- Allen, W. H., Ottawa, Ont.** Mica.
- Allen & Williams, Middle Granville, N. Y.** Slate.
- Alta Mining Co., Gold Hill, Nev.** Gold and silver.
- Aluminum Lustre Co., Carson City, Nev.** Diatomaceous earth.
- Amadone Mine, Nev.** Silver.
- American Asphalt Co., Los Angeles, Cal.**
- American Coal Co., 1 Broadway, New York City.** Coal.
- American Copper Mining Co., Somerville, New Jersey.** Copper ores. Mines and mill on Watching Mountain, near Somerville, N. J. New York office, 20 Broad St. Josiah C. Reiff, president; Josiah Bond, General manager.
- American Inst. of Mining Engineers, New York City.** Publications.
- American Nickel Mining Co., Oregon.**
- Ames & Co., Carson City, Nev.** Graphite.
- Ancram Iron Ore Co., Ancram, N. Y.** Iron ores.
- Anderson, August, Ironwood, Mich.** Iron ores.
- Andes Mining Co., Virginia City.** Gold and silver.
- Anglo-American Copper Co., Parry Sound, Ont.** Copper ore.
- April Fool Mine, De Lamar, Nev.** Gold ores.
- Arcadian Mine, Michigan.** Ore and milled copper.

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- Argentine.** Collective Exhibit of minerals.
- Arizona Mine, Bullionville, Nev.** Gold and silver.
- Arlagh Mine, W. A. Payne, Mgr., Mine Center, Ont.** Gold ores.
- Armstrong, L. O., C. P. R. offices, Montreal, Quebec.** Sandstone, Desbarats, Ont.
- Arnbyn Quarry Co., Michigan.** Sandstone.
- Arragon Mine, Norway, Mich.** Ore samples.
- Ashland Kaolin Co., Ashland, Oregon.** Kaolin and dishes from same.
- Ashland Stone Co., Ashland, Oregon.** Building stone.
- Atkinson, J. H., Bath.** Building stone, granite.
- Atlantic & Georges Creek Consolidation Coal Co., 114 E. Baltimore St., Baltimore, Md.** Coal.
- Atlantic Mine, Michigan.** Copper.
- Atlas Arsenic Co., Ontario.** Arsenic and arsenical ores.
- Aura King Mine, Nev.** Gold ore.
- Aurora Mine, Alamo, Lower Cal.** care of H. M. Russell, Los Angeles, Cal. Gold quartz.
- Aurora Mine, M. T. Davis, Aurora, Mo.** Zinc.
- Aurora, Nev.** Gold ores.
- Babcock, T. J., Waterloo, N. Y.** Limestone and marble.
- Baden-Powell Mine, care of S. S. Forneri, Bat Portage, Ont.** Gold ores.
- Badger Mine, Nevada.** Gold ore.
- Baeder, Adamson & Co., Philadelphia, Pa.** Garnet.
- Baer, H. L., Hancock, Mich.** Copper.
- Bailey, J. E., Breakneck, N. Y.** Granite and trap.
- Bailey, J. E., Cold Spring, N. Y.** Granite and trap.
- Bain, W. W., Carson City, Nev.** Compressed wood, Comstock lode.
- Baker Bros. & Co., Newark, N. J.**
- Bald Mountain Co., Jackson Co., Oregon.** Copper ore.
- Baldwin Co., R., Waterbury, Md.** Glass sand.
- Baltimore Brick Co., 1001 Atlantic Trust Bldg., Baltimore, Md.** Brick and tile.
- Baltimore Retort & Fire Brick Co., Hull & Nicholson Sts., Baltimore, Md.** Brick and tile.
- Baltimore Mine, Nevada.** Copper.
- Bangs & Gaynor, Fayetteville, N. Y.** Cement rock and cement.
- Bangs & Gaynor, Fayetteville, N. Y.** Gypsum and land plaster.
- Banning, Hancock, Los Angeles, Cal.** Serpentine marble.
- Barber Asphalt Paving Co., Buffalo and New York.** Asphalt and other products.
- Barclay, C., Carson City, Nev.** Travertine, gypsum.
- Barnet, H. S., Chestertown, Md.** Clay and products.
- Barrick, S. N. & Son, Woodsboro, Md.** Limestone.
- Bartell, Wm. E., Martinsville, N. J.** Building stone.
- Barton, D. M., Trousdale, Ont.** Mica.
- Barton Mining Co., Barton, Md.** Coal.
- Barton & Sons Co., H. H., Philadelphia, Pa.** Garnet concentrates, massive garnet, and garnet paper.
- Bates, A. D., Nevada.** Silver Sulphide ore.
- Bay State Zinc Mining Co., Zinc, Mo.** Zinc.
- Beall, R. A., 14 S. Liberty St., Cumberland, Md.** Sandstone.
- Beamsville Pressed Brick and Terra Cotta Co., Beamsville, Ont.** Pressed brick and terra cotta.
- Beaver Dam Marble Co., 704 Constitution St., Baltimore, Md.** Marble.
- Behr, H., New York, N. Y.** Garnet paper.
- Beicher Mining Co., Gold Hill, Nev.** Silver ores.
- Belding, Milo G., Gouverneur, N. Y.** Marble.
- Bell, L. C., Ione, Nye County, Nev.** Phosphate rock.
- Bell & Court, Silver Peak, Esmeralda Co., Nev.** Iron ore, silver and gold ore.
- Belmont Mine, Marmor & Belmont, proprietors, Ontario, Canada.** Gold ores.
- Beltser Mining Co., Nevada.** Copper ores, lead ores.
- Bennett, Edw., Baltimore.** Roofing, tile works.
- Bennett, Frank, Staten Island, N. Y.** Trap.
- Bernard, C. E., Carlin, Nev.** Infusorial earth.
- Bernice District, Nevada.** Silver ores.
- Big Master Mine, Upper Manitow Lake, Ontario.** Gold ores.

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- Big Vein Coal Co.,** 21 South Gay St., Baltimore, Md. Coal.
- Birkinhine, John,** Philadelphia. Publications of Franklin Institute.
- Birney, David,** German Valley, N. J.
- Bismark Mine,** Candelaria, Nev. Silver ore.
- Blackburn Bros.,** Ottawa, Ont. Mica.
- Black Donald Mine,** Brougham Township, Ont., care of J. W. McRae, Ottawa, Ont. Graphite.
- Black Hawk Gold Mining Co.,** Rat Portage, Ont. Gold ores.
- Black Jack Mine,** Pioche, Nev. Silver ore.
- Black, J. F.,** Sudbury, Ont. Map of Ontario showing mines and mining centres, mineral collection.
- Black Republic Mine,** Roseburg, Ora. Copper ore.
- Black, Sheridan & Wilson Co.,** 1-3 Chamber of Commerce, Baltimore, Md. Coal.
- Blaine Coal Co.,** Blaine, West Va. Coal.
- Blossom, J. A.,** Battle Mountain, Nev. Gold, silver, iron and copper ores.
- Blue Bird Mine,** Nevada. Copper.
- Blue Jay Mine,** Carson City, Nev. Copper.
- Blue Ledge Mine,** Josephine Co., Oregon. Gold ore.
- Blue Mt. Iron and Steel Co.,** Catochin, Md.
- Blue Stone Copper Co.,** F. Shaw, Yerington, Lyon Co., Nev. Copper ores.
- Boerth Mine,** Ardoch, Ont. Gold ores.
- Boice, Hewitt,** Rondout, N. Y. Sandstone and blue stone.
- Bonelli, D.,** Rioville, Lincoln Co., Nev. Asbestos, manganese.
- Bonelli, D.,** Rioville, Nev. Mica, rock salt, petrified wood carrying gold.
- Boher & Alberti,** Elko, Nev. Natural soap.
- Boom, J. W.,** Syracuse, N. Y. Gold and silver ore.
- Boose Bros.,** Forest Grove, Ore. Building stone.
- Borden Mine,** Frostburg, Md. Coal.
- Boss Mine,** Belleville, Nev. Lead ore.
- Boston & Nevada Copper Co.,** Yerington, Lyon Co., Nev. Copper.
- Bouton, A. W.,** Roxbury, N. Y. Sandstone and blue stone.
- Bowden Mine,** Jackson Co., Oregon. Gold ore.
- Bowman, J.,** Rossport, Ont. Copper and nickel ores, pyrrholite, etc.
- Boyce, F.,** Carson City, Nev. Fossil.
- Brady, Gilbert,** Rochester, N. Y. Flagstone.
- Brann Mine,** Yerington, Lyon Co., Nev. Copper.
- Brazil.** Collective Exhibit of ores.
- Brindle Cat Mine,** Myrtle Creek, Oregon. Copper ore.
- Bristol District,** Pioche, Nev. Copper ores.
- Brookfield Mining Co.,** Joplin, Mo.
- Brooks, A. H.,** U. S. Geological Survey, Washington. Gold and tin from Cape Nome.
- Brosky, Peter,** Frederick, Md. Brick and tile.
- Bruce Copper Mining Co.,** Ontario, Canada. Copper ores.
- Brunswick Canon,** Carson City, Nev. Crystals.
- Brush Bros.,** Jewetsville, N. Y. Shale and brick.
- Buena Vista Spring Water Co.,** Baltimore, Md. Mineral water.
- Buffalo Cement Co.,** Buffalo, N. Y. Cement rock and cement.
- Bullion District,** R. E. Skaggs, Elko, Nev. Lead and silver ore.
- Bullion Mine,** Elko, Nev. Silver ore.
- Bullion No. 2 Mine,** care of D. C. Cameron, Rat Portage, Ont. Gold ores.
- Bureau of Mines,** Toronto, Ont. Dressed ornamental and building stones and the various economic ores of the Province of Ontario.
- Burhard & Brainard,** Saugerties, N. Y. Sandstone and blue stone.
- Burke, J.,** Steamboat Springs, Nev. Cinnabar, gypsum, barium.
- Burns, E. E.,** Whitehall, Md. Flint and feldspar.
- Burns Russell Co.,** 535 Columbia Ave., Baltimore, Md. Brick and tile.
- Burnside Mine,** Hastings, Col., Ontario, Canada. Iron pyrites.
- Button Mine,** Golconda, Nev. Copper ores.

- Cairns, Ralph, Walton, N.Y.,** Flagstone.
- Caldwell, T. B., Lanark, Ont.** Iron ore.
- Caldwell, W. C., Lanark, Ont.** Granite.
- California, collective exhibit of ores from the State Mining Bureau, San Francisco, Cal.** A. L. Cooper, state mineralogist.
- Calumet & Contact Co., Contact, Elko Co., Nev.** Copper ores.
- Calumet & Hecla Mine, Buffalo, N. Y.** Copper.
- Calumet & Hecla Mine, Michigan.** Ore and copper.
- Cameron Island Mine, Cameron Island Mining Co., Toronto, Ont.** Gold ores.
- Campbell, Eugene, Medusa, N. Y.** Limestone and marble.
- Canada Corundum Co., B. A. C. Craig, Toronto, Ont.** Corundum.
- Canadian Copper Co., Copper Cliff, Ont.** Smelting and metallurgical works, products. Samples from their several mines at Sudbury in large blocks.
- Canadian Gold Fields Co., Deloro, Ont.** Arsenic and arsenical ores. Manufacturers of pure white arsenic (arsenic oxide.) Prepared to fill all orders promptly. Only sold in kegs bearing (C. G.) brand.
- Canadian Northern Railway.** Iron ore from Atikokan range west of Port Arthur, Ont.
- Canadian Peat Fuel Co., Toronto, Ont.** Peat fuel.
- Canadian Portland Cement Co., Deseronto, Ont.** Portland cement.
- Cappel, Thomas, Lake Linden, Mich.** Native copper.
- Carpenter, A. V., Contact, Elko Co., Nev.** Copper ores.
- Carpenter, B. & J., Lockport, N. Y.** Limestone and marble.
- Carpenter, Coles A., Sea Cliff.** Potter's clay and kaolin.
- Carroll, Robt., Toronto, Ont.** Building and ornamental stones.
- Cascades Mineral Springs Co., Portland, Ore.** Mineral water.
- Cascadia M. Co., Oregon.**
- Catherine Lead Co., Madison Co., Mo.**
- Cayuga Plaster Co., Union Springs, N. Y.** Gypsum and land plaster.
- Cecil Fire Brick Co., North East, N. Y.**
- Central Coal and Coke Co., Kansas City, Mo.** Coal.
- Central Lead Co., Francis Co., Mo.**
- Central Oil Co., Los Angeles, Cal.** Crude oils.
- Chainman Mine, Ely, White Pine Co., Nev.** Gold ores.
- Challenge Mine, Grants Pass, Ore.** Gold ore.
- Champion Mining Co., Beacon, Mich.** Ore samples.
- Chapin Mining Co., Iron Mountain, Mich.** Ore samples.
- Chattolance Springs Hotel and Water Co., Baltimore.**
- Chasy Marble Lime Co., Chasy, N. Y.** Limestone and chemical lime.
- Chiatovich, H., Silver Peak, Esmeralda Co., Nev.** Gold and silver ores.
- Chicago & West Island Stone Co.** Dressed stone from near Port Arthur, Ont.
- Childs Photograph Gallery, Ishpeming, Mich.** Surface and underground views.
- Chisholm, J. H., Cloyne P. O.** Iron ore.
- Choynorth, Ben., Houghton, Mich.** Native ores.
- Christian Co. Mines, Christian Co., Mo.** Lead and zinc.
- Churchill County, Nevada.** Gold, silver, nickel and cobalt, tin, antimony.
- Cinabar Mine, Grants Pass, Oregon.** Cinabar.
- Clark, J., Nevada.** Gold ore.
- Clark, S. W., Willsboro Point, N. Y.** Limestone and marble.
- Clarke Blue Stone Co., F. G., Oxford, N. Y.** Sandstone and blue stone.
- Clarkson, A., Potsdam, N. Y.** Sandstone and blue stone.
- Clarkson Bros., Hagerstown, Md.** Limestone.
- Clementine Mine, Nevada.** Gold and silver.
- Cleveland Cliffs Mining Co., Ishpeming, Mich.** Ore samples and photographs.
- Cleveland Stone Co., The, Cleveland, Ohio.** Building stone.
- Clinton Iron Ore Co., Clinton, N. Y.** Iron ores (red hematite).
- Clinton Metallic Paint Co., Clinton, N. Y.** Mineral paint.
- Cochrane, Frank, Sudbury, Ont.** Gold ores.

- Code, H., Perth, Ont. Mica.**
Coe Hill Mine, Ontario, Canada.
Iron ore.
Collin, Chas. E., Muirkirk, Md.
Iron ore (carbonate).
Coleman, Dr. A. P., School of Practical Science, stones from north shore, Lake Superior, Ont.
Collins, Geo. M., Crisfield, Md.
Clay and products.
Colorado Academy of Nat. Sciences, Denver, Col. Publications.
Colorado & Wyoming Investment Co., Cheyenne, Wyo. Copper and other ores.
Columbia Mine, Esther, St. Francis Co., Mo. Lead ores.
Comet Mine, Nevada. Copper ores.
Commonwealth Mine, Tuscarora, Nev. Silver ores (ruby).
Cornstock Lode, Nevada. Silver and gold ores.
Conococheague Brick & Earthenware Co., Williamsport, Md. Brick and tile.
Connors, William, Troy, N. Y. Paint and mortar color.
Conrad, C. E., Kallispell, Mont. Gold nuggets.
Consolidated Virginia and Cal., Virginia City, Nev. Gold and silver.
Consolidated Wheatland Plaster Co., Wheatland, N. Y. Gypsum and land plaster.
Consolidation Coal Co., 44 South Street, Baltimore, Md.
Copper Canon, Nevada. Copper ores.
Copper King Mining Co., Jackson Co., Ore. Copper ore.
Copper Queen Consolidated Mining Co. N. Y. C. Copper.
Cortex Mine, Nevada. Silver ore.
Cow Creek Mining Co., Douglass Co., Ore. Copper ore.
Cowan & Zabriskie Mine, Carson, Nev. Lead and silver ores.
Cox, Col. J. N., Calumet, Mich. Minerals.
Crescent Gold Mining Co., Malone, Ont.
Crichton & Petrie, Dymont, Ont. Gold ores.
Crim, A. B., Middleville, N. Y. Quartz crystals.
Crown Corundum Co., J. Curry, Toronto, Ont. Corundum.
Cumberland Hydraulic Cem. Co., Cumberland, Md. Cement.
Cundy Mining Co., Qujassac, Mich. Ores and specimens.
Curry, Lieut. George, Ironwood, Mich. Iron ore.
Csarina Mine, Riville, Nev. Lincoln Co., Nev. Mica.
Dake, C., Carson City, Nev. Tripoline.
Daniel & Leonard, Baltimore. Granite.
Davies, A. R., North Litchfield, N. Y. Lime and cement.
Davis Coal & Coke Co., Piedmont, West Va. Coal.
Davis, Cyrus, Berlin, Md. Clay.
Davis, R. J., Valley, Wash. Iron ore.
Davis, Wm., Marriottsville, Md. Limestone.
Day Mine, J. Grandelmyer, Hamilton, Nev. Silver ores.
Deer Horn Mine, Gold Hill, Ore. Gold ore.
Death, Elko County, Nev. Phosphate of lime.
DeGraft & Roberts, Eagle Harbor, N. Y. Flagstone.
Delaware Mine, Virginia City, Nev. Infusorial earth.
Delaware Mining District, Carson, Nev. Copper ores.
Delaware Mining, Milling & Manufacturing Co., Roxbury, N. Y. Mineral paint.
Delono Mine, Pioche, Nev. Copper ore.
Delmonte Mine, Nevada. Copper ore.
Depuis, P., Carson City, Nev. Zinc shavings.
Deseret Borax Co., White Plains, Nev. Borax, ulexite, salt.
Deseronto Furnace Co., F. B. Gaylord, Deseronto, Ont. Smelting and metallurgical and products.
De Van Nostrand Co., N. Y. C. Publications.
Dewable Mining Co., Iron Mountain, Mich. Ore samples.
Diamond Mine, C. Reed, Eureka, Nev. Lead ore.
Dibble, Alfred, Belvidere, N. Y. Building stones 10-inch cubes.
Dickey Gibson Coal Co., Piedmont, West Va. Coal.
Dittman, Wm. C., Texas, Md. Limestone.

- Dixon Crucible Co., Jersey City, N. J. Graphite and graphite products.
- Dobson, Alex., Beaverton, Ont. Peat fuel.
- Doe Run Lead Co., Doe Run, Mo.
- Dooley, N. P., Pioche, Nev. Gold, silver, copper, lead ores.
- Dorsey, V. W., Marriottsville, Md. Limestone.
- Douglas County, Nevada. Gold, silver, copper, ores.
- Douglas, James, N. Y. C. Copper spec.
- Drake Co., The, St. Paul, Minn. Petrified wood.
- Duffield Mine, Jackson Co., Ore. Gold ore.
- Dunkel, W. T. & Co., Baltimore. Mineral paint.
- Dunlap, E., Sodaville, Nev. Copper ores.
- Dunn, L. F., Winnemucca, Nev. Silver ores, fossil.
- Dunstan, J. H., Negaunee, Mich. Ores.
- Dupuis, P., Carson City, Nev. Zinc shavings for cyanide process of recovering gold.
- Eagle Mine, Stillwater, Churchill Co., Nev. Gold ore.
- Eagle Lake Mine, Eagle Lake Gold Mining Co., Rat Portage, Ont. Gold ore.
- Eagle Salt Works, Reno, Nev. Salt.
- East Brownville, Maine, Slate Co., Brownville, Me. Slate.
- Eastern Oregon Kaolin Co., Portland, Ore. Kaolin and dishes from same.
- Eastern Paving Brick Co., Catskill, N. Y. Brick and shale.
- Easton, Eldridge & Co., Los Angeles, Cal. Crude oils.
- Eckert, H., Madoc, Ontario. Iron ores.
- Edwards, Capt. Richard, Calumet, Mich. Ores.
- Edwards, Robert L., Houghton, Mich. Native copper and silver.
- Eme Mine, Nevada. Copper, gold and silver.
- Eichner Bros., Cumberland, Md. Pottery.
- Electric Mining and Reduction Co., Reno, Nev. Gold, silver and lead ores.
- Electro Sillicon Co., Virginia City, Nev. Infusorial earth.
- Elgin Stone Co., Elgin, Ore. Building stone.
- Ellis, P. W., Toronto, Ont. Building and ornamental stones.
- Ellis & Co., P. W., Toronto, Ont. Marbles.
- Elko County, Nevada. Copper, gold, silver, asbestos, etc.
- El Salvador. Collection of ores.
- Elwell-Danington Mining Co., Seattle. Copper and gold.
- Emmons, Ed. S., Lovelocks, Nev. Sulphur, iron, silica.
- Empire Cement Co., Warners, N. Y. Marl, clay, cement clinker and cement.
- Empire Milling Co., Carson City, Nev. Plaster paris, gypsum.
- Empire Mine, Contact, Elko Co., Nev. Gold and copper ore.
- Emory, Dr., Toronto, Ontario. Iron pyrites, Thunder Bay District.
- Empress Mine, Ontario, Canada. Gold ores.
- Engineering and Mining Journal, N. Y. City. Publications.
- Engle, Horace M., Roanoke, Va. Asbestos.
- English Plaster Works, Oakfield, N. Y. Gypsum.
- Esmeralda County, Nevada. Ores.
- Esperanza Mine, Pioche, Nev. Copper, gold and silver ore.
- Eureka County, Nevada. Lead and silver ores, molybdate, zinc.
- Evans & Howard, St. Louis Mo. Clay products.
- Everson, Hans, Ironwood, Mich. Iron ore.
- Excelsior Slate Co. (of Hartford Co.), Delta, Pa. Slate.
- Exchequer Mine, Josephine Co., Ore. Gold ore.
- Farr & Bailey, Camden, Pa. Oil cloth painted with New York State paint.
- Fay Mine, Hamilton, White Pine Co., Nev. Copper ore.
- Filbert Paving and Construction Co., Baltimore. Building sand.
- Fitch, A. B., Magdalena, New Mexico. Gold and silver ores.
- Fogelsonger, C. & H., Buffalo, N. Y. Limestone and marble.
- Foley Mine, Shoal Lake, Mine Center, Ontario. Gold ores.
- Folger Bros. & J. Hammond, estate, Fort William, Ont. Copper ore.
- Forsyth, R., Grindstone Island, N. Y. Granite and trap, 10-inch cubes.
- Franehe, Capt. F., Goderich, Ont. Iron ore.

- Franklin Mine, Michigan.** Ore and milled copper.
- Franklin Refining Co., Los Angeles, Cal.** Oil and mineral exhibit.
- Frederick Brick Works, The, Frederick, Md.** Brick and tile.
- Frederick City Lime Co., Ltd., Frederick, Md.**
- Freeman, P., Sydenham, Ont.** Mica.
- Frye & Bros., O. O., Mining Co., Joplin, Mo.**
- Fulton Mine, Nevada.** Copper ore.
- Furnaceville Iron Ore Co., Ontario, Wayne Co., N. Y.** Iron ore (red hematite).
- Gadby, Buntin & Doyle, Onseola, Lincoln Co., Nev.** Huberite (Tungsten).
- Galena Oil Co., Franklin, Pa.**
- Ganter, F., Baltimore, Md.** Plate Glass cases.
- Gardner Mine, Carson, Nev.** Copper ore.
- Genesee Salt Co., New York, N. Y.** Salt.
- George, John, Joplin, Mo.** Calcite specimen.
- Georges Creek Coal and Iron Co., 422 Equitable Co., Baltimore, Md.** Coal.
- German, M. H., Delaware, Del.** Clay and products.
- Gertrude Mine, Lake Superior Power Co., Ont.** Copper and nickel ores, pyrrhotite, etc.
- Gibbs, F. N., Port Arthur, Ont.** Collection of Ontario silver ores.
- Gibson, W., M. P., Beamsville, Ont.** Limestone.
- Gilbert, Brady, Rochester, N. Y.** Flagstone.
- Gilpin, John, Elkton, Md.** Brick and tile.
- Glasgow & Western Exploration Co., Golconda, Nev.** Copper ores.
- Glen Morris Flint Mill Co., Glen Morris, Md.** Flint and feldspar.
- Glens Falls Co., Glens Falls, N. Y.** Limestone and marble.
- Glens Falls Portland Cement Co., Glens Falls, N. Y.** Limestone, clay, cement clinker and cement.
- Golconda Mine, Josephine Co., Ore.** Gold ore.
- Gold Bug Mine, Josephine Co., Ore.** Gold ore.
- Golden Crown Mine, Jackson Co., Ore.** Gold ore.
- Gold Ridge Mine, Myrtle Creek, Ore.** Gold ore.
- Golden Star Mining Co., Hon. S. G. Wood, Pres., Toronto, Ont.** Gold ores.
- Gold Winner Mining Co., Duluth, Minn.** Gold ores.
- Goodwin, H. Price, Westminster, Md.** Limestone, lime and cement.
- Graham Mine, North Shore Lake Superior, Ont.** Copper ore (native copper).
- Granby Mining & Smelting Co., Joplin, Mo.**
- Grand Hotel Co., Ltd., Caledonia Springs.** Mineral water.
- Caledonia Springs—famous Canadian cure—rheumatism, stomach, liver and kidney troubles.** Saline aperient; white sulphur, diuretic and table waters. Sold everywhere. Ask for circular.
- Grand Prize Mine, Tuscarora, Nev.** Ruby silver.
- Grandelmyer, J., Hamilton, White Pine Co., Nev.** Silver and lead ores.
- Graves, F. P., Doe Run, Mo.**
- Great Lakes Copper Co., Sudbury, Ont.** Copper and nickel ores, pyrrhotite, etc.
- Great Republic Gold Mine Co., Seattle.** Stibnite ore.
- Greatrix, W., Madoc, Ont.** Iron ore.
- Green Hill Fire Brick Co., North East, Md.** Brick and tile.
- Greene, J. O. J., Westernport, Md.** Coal.
- Grey Eagle Mine, Jackson Co., Ore.** Gold ore.
- Grimm, J., Reno, Nev.** Copper ore.
- Grinnell, Esra, Port Gibson, N. Y.** Gypsum and land plaster.
- Grove Co., The M. J., Lime Kiln, Md.** Limestone, lime and cement.
- Guatemala.** Collective exhibit of ores, granite, kaolin, mica, etc.
- Guilford and Waltersville Granite Co., 52 Central Savings Bank Bldg., Baltimore, Md.** Granite, gypsum, plaster paris cast of Miss Canada. Ontario section.
- Haines, S. S., Union Bridge, Md.** Limestone.
- Hamilton Corundum & Emery Wheel Co., H. E. Sherk, Mgr., Hamilton, Ont.** Corundum goods.
- Hamilton Steel and Iron Co., Hamilton, Ont.** Smelting and metallurgical works and products.
- Hang, Matt, Houghton, Mich.** Copper and silver.
- Hanks, M., Contact, Elko County, Nev.** Copper ores.
- Harris Mine, Washoe City, Nev.** Gold ore.

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- Harrison, J. J. E., Newburg, N. Y.** Limestone and lime.
- Harrison, J. E., Madoc, Ont.** Arsenic and arsenical ores. Iron ore, talc, actinolite.
- Hattie Bell Copper Mine, Parry Sound, Ont.** Copper ores.
- Hawthorne District, Nevada.** Gold ores.
- Hayes Mining Co., Ironwood, Mich.** Iron ore.
- Haynes, D. F. & Son, Baltimore.** Pottery.
- Hedstrom, E. L., Buffalo, N. Y.** Coal.
- Heisenbutte, G. W., Ridgefield, N. J.** Building stones.
- Helen Mine, Michipicoton, Ont.** Iron ore.
- Henderson Mine, A. A. Robins, New York, N. Y.**
- Henry Booth Mine, Meritt, Josephine Co., Ore.** Gold and copper.
- Herbert, I. S., North Granville, N. Y.** Slate.
- Herderberg Cement Co., Howes Cave, N. Y.** Lime and cement.
- Herrman & Larson, Dryden, Ont.** Gold ores.
- Hewitt, D. C., Amsterdam, N. Y.** Limestone and marble.
- Hibbard-Rodman-Ely Safe Co., N. Y. City.** Safe.
- Hibernia Mine, Hibernia, N. J.** Iron ore.
- Highland District, N. P. Dooley, Ploche, Nev.** Silver, lead, ore.
- Hillside Mine, N. P. Dooley, Ploche, Nev.** Silver, lead.
- Hilton, Walter E., Dunkirk, N. Y.** Clay and brick.
- Holloway, Mrs. John, Medina, N. Y.** Sandstone and blue stone.
- Holmes Mining Co., Candelaria, Nev.** Silver ore.
- Home Oil Co., Whittier, Cal.** Crude oil.
- Home Stake Mine, Jackson Co., Ore.** Gold ore.
- Honduras.** Collective Exhibit of minerals.
- Hood River Stone Co., Hood River, Ore.**
- Horan Bros., Medina, N. Y.** Sandstone and blue stone.
- Horse Shoe Mine, Deerlodge District, Lincoln Co., Nev.** Gold ore.
- Horse Shoe Mine, Jackson Co., Ore.** Gold ore.
- Hotchkiss, L. W., Lewiston, N. Y.** Sandstone and blue stone.
- House & Brown, Johnson, N. Y.** Lime and limestone.
- Hudson River Blue Stone Co., Malden, N. Y.** Flagstone.
- Hudson River Ore and Iron Co., Burden, N. Y.** Carbonate ore.
- Humboldt County, Nevada.** Gold, silver, lead, copper, sulphur, etc. stone and marble.
- Hungerford Marble Co., Toronto, Ont.** Building stone.
- Hughes, J., Syracuse, N. Y.** Limestone and marble.
- Hunter & Pixley, Nevada.** Copper ores, gold ores.
- Ida Mine, Garfield, Nev.** Silver ore.
- Imperial Cement Co., Owen Sound, Ont.** Portland cement.
- Imperial Corundum Co., L. Morrison, M. P., Toronto, Ont.**
- Imperial Oil Co., Sarnia, Ont.** Petroleum products.
- Independence Mine, Nevada.** Copper ore.
- International Nickel Co., Riddles, Ore.** Nickel ores.
- Inyo Dev. Co., Carson, Nev.** Soda carb., soda bi-carb., soda ash.
- Ione, Nevada.** Silver and lead ores.
- Iron Co., Mo.** Ores.
- Iridescent Mine, Nevada.** Silver ore.
- Isanagle, Geo. M., Catochin, Md.** Limestone.
- Ives, James T. B., N. Y. City.** Geological map.
- Jacobsville Brownstone Co., Michigan.** Sandstone.
- Jacob's Wonder Mine, Nevada.** Gold ore.
- Jamestown Shale Paving Brick Co., Jamestown, N. Y.** Shale and brick.
- James, J., Actinolite, Ont.** Iron pyrites.
- Jellerson, N., Carson, Nev.** Discovery ore of Comstock lode.
- Jewettsville Pressed Brick Co., Jewettsville, N. Y.** Brick.
- Joanna Mine, S. Hill, Reno, Nev.** Gold ore.
- Johns Hopkins University, Baltimore.** Publications.
- Johns Mfg. Co., H. W., N. Y. City.** Asbestos.

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- Johnson and Co., E. J., 35 Park Row, New York City.** Slate.
- Johnson, Vivian, Houghton, Mich.** Native copper with calcite.
- Joplin Club, Joplin, Mo.**
- Josephine Mine, Michipicoton, Ontario, Canada.** Iron ore.
- Josiah Broad, Negaunee, Mich.** Ores.
- Jumbo District, G. Schissler, Carson, Nev.** Copper and silver ore.
- Justice Mining Co., Gold Hill, Nev.** Gold and silver ores.
- Kalb & Son, George S., Catonsville, Md.** Pottery.
- Kaminstiquia Sta., C. P. R.** Iron pyrites.
- Kelley, E. D., Carson, Nev.** Silver and lead ores.
- Kelly, Wm., Vulcan, Mich.** Spec. Calcite, pyrite and quartz.
- Kemp, J. F., Columbian University, N. Y. City.** Publication: "Ore Deposits."
- Keyes, Wayland, Rochester Junction, N. Y.** Peat.
- Kice, Lyman, German Valley, N. J.** Building stone.
- King, A. Gracie, Garrisons, N. Y.** Granite and trap.
- Kinkel, P. H., Bedford, N. Y.** Quartz and feldspar.
- Klein, J., Hawthorne, Nev.** Gold ores.
- Kreischer & Sons, B., N. Y. City.** Brick and terra cotta.
- Kuly, Sidney, Ottawa, Ont.** Building stone.
- Labadie, E. L., Golconda, Nev.** Lead ores.
- Lafayette Mine, Nevada.** Gold, silver and lead ore.
- Laiola, A., Hawthorne, Nev.** Gold ores.
- Lake Angeline Mine, Ishpeming, Mich.** Iron ore.
- Lake Superior Mine, Contact, Elko Co., Nev.** Copper ores.
- Lake Superior Mine, Ishpeming, Mich.** Ore samples.
- Lake Superior Power Co., F. H. Clergue, Gen. Manager, Sault Ste. Marie, Ont.** Iron, nickel and copper ores from their various mines and metallurgical products.
- La Panta Mine, S. A. Knapp, Hawthorne, Nev.** Gold ore.
- Landers, J., Silver City, Nev.** Gold ore.
- Lanse Graphite Works, Lanse, Mich.** Samples graphite.
- L'anse Brownstone Co., Michigan.** Sandstone.
- Larkin, Francis, Sing Sing, N. Y.** Granite and trap.
- Lathrop, J. H., Calumet, Mich.** Copper, silver, etc.
- Lawrence Cement Co., Rondout, N. Y.** Cement rock and cement.
- Lawrenceville Cement Co., N. Y.** Cement rock and cement.
- Leander County, Nevada.** Antimony, lead, silver (ruby), gold, iron, copper.
- Lebargé Mine, Madoc, Ont.** Iron pyrites.
- Ledyard Mine, Marmora & Belmont Township.** Gold ores.
- Lee, Thomas N., Texas, Md.** Limestone.
- Lee & Co., R. E., Madoc, Ont.** Iron ores.
- Legge, Joshua, Gananoque, Ont.** Green marble.
- Lehigh Mining Co., Dickinson, S. D.**
- Lehigh Portland Cement Co., New York, N. Y.** Cement.
- Lehigh Valley Coal Co., Buffalo, N. Y.** Coal.
- Lemmon, H. E., Carson, Nev.** Barium, molybdate of lead.
- Lepper, H. E., Carson, Nev.** Gold ore.
- Leonard, J. C., Cambridge, Md.** Clay.
- Lewis, W. S., Snow Hill.** Brick and tile.
- Lincoln County, Nevada.** Mica, salt, gold, silver.
- Lindsay Bros., Nevada.** Copper ores.
- Lindsay, W. E., Carson, Nev.** Marble, gypsum, travertine, onyx.
- Lindsay, Wm. F., Texas, Md.** Limestone, lime and cement.
- Little Dandy Mine, Josephine Co., Ore.** Gold ore.
- Little Dorris Mine, J. J. Walters, Ont.** Gold ores.
- Little Jewett Mine, Jackson Co., Ore.** Gold ore.
- Little Turtle River Nickel Locations.** Copper and nickel ores, pyrrholyte, etc.
- Livingston, A., Carson, Nev.** Gold ore.
- Logan, H. R., Carson, Nev.** Phosphoretic pumice.

- Loma Blanca Lithographic Stone Co.**, Los Angeles, Cal. Lithographic stone.
- Lonsaconing Coal Co.**, 413 Water St., Baltimore, Md. Coal.
- Lough Mine.** Myrtle Creek, Oregon. Copper ore.
- Levelocks, G., Levelocks, Nev.** Nickel, cobalt, copper, etc.
- Lowrey, E. D., Queenstone Quarry, Ont.** Limestone. Dressed base stones.
- Lucky Coon Mine, Mine Centre, Ont.** Gold ores.
- Lucky Find Mine, Josephine Co., Ore.** Copper ore.
- Lucky Hill Mine, Gold Hill, Ore.** Gold ore.
- Ludwig Mons Co., Victoria Sta., Ont.** Smelting and metallurgical works and products.
- Lycorning Calcining Co., Garbillsville, N. Y.** Gypsum and calcined plaster.
- Lynch, Daniel, Minerva, N. Y.** Massive garnet.
- Lynch, F., Minerva, N. Y.** Verdantique.
- Lyon County, Nevada.** Copper.
- Lyons Pottery Co., Lyons, N. Y.** Pottery.
- MacGregor, Robert, Madoc, Ont.** Iron ore.
- Macon Co., Mo.** Coal.
- Madison Co., Mo.** Ores and marble.
- Madison University, Madison, Wis.** Building stone.
- Manhattan Mine, Austin, Nev.** Ruby silver.
- Manhattan Mine, Head Office 16 Exchange Place, New York.** Gold ores.
- Manistique Iron Co.** Charcoal, iron and mineral water.
- Manley, Pal., Ishpeming, Mich.** Iron ore.
- Map of Ontario, geologically colored, with localities of minerals marked, large size.**
- Mardis Mining District, Nevada.** Gold sulphurettes.
- Margach, W., Rat Portage, Ont.** Collection of silver and gold ores from Ontario.
- Markle Lead Co., St. Louis, Mo.**
- Maryland Clay Co., North East.** Kaolin.
- Maryland Coal Co., 1 Broadway, New York, N. Y.** Coal.
- Maryland Geological Survey, Baltimore, Md.**
- Maryland Granite Co., 725 Equitable Bldg., Baltimore, Md.** Granite.
- Maryland Pottery Co., Baltimore.** Pottery.
- Maryland Soapstone Co., Tamaqua, Pa.** Soapstone.
- Mayflower Mine, Lower Seine River, Mine Centre, Ont.** Gold ore.
- Mass. Inst. of Tect., Boston, Mass.**
- Mayflower Mine, Nevada.** Copper ore.
- Mayhugh, J. S., Elko, Nev.** Copper ores.
- Mason, B. B., Keeseville, N. Y.** Sandstone and blue stone.
- Mass. Mine, Michigan.** Copper ore.
- Maesteron and Hall, Tuckahoe, N. Y.** Limestone and marble.
- Mathews Slate Co., Poultney, Vt.** Slate.
- Maud Mine, Nevada.** Copper ores.
- Maxson, H. B., Reno, Nev.** Gold, silver, lead, phonolite.
- McClenahan Granite Co., Port Deposit, Md.** Granite. Noted Port Deposit Granite. Attractive rustic and finished effects architecturally. Especially adapted for bridge construction, plinths, etc. Non-absorbent. Crushing resistance 25,250 pounds square inch.
- McClure, G. J., Ithaca, N. Y.** Sandstone and blue stone.
- McCusker & Son, M. J., Jamestown, N. Y.** Clay and brick.
- McCoy, Isaac, Peekskill, N. Y.** Emery.
- McDonough, J. J., Slateville, N. Y.** Clay and brick.
- McDougal, W. H., White R., Ont.** Iron ore.
- McFawn, Geo., Markstay, Ont.** Gold ores.
- McGavern & Co., T. W., Joplin, Mo.**
- McKnight, J. H., Corona, Cal.** Glass sand.
- McLean, J. H., Ironwood, Mich.** Iron ore.
- McMaster, H., Burk's Falls, Ont.** Nickel ores, pyrrholite, etc.
- McMichael, H., Pocomoke City.** Brick and tile.
- McNaughton, Sydenham, Ont.** Mica.
- McNeal, J. B. & Co., Baltimore.** Mineral paint.
- McVittie, Wm., Sudbury, Ont.** Gold ores.
- Meadows Mining Company, Jackson Co., Ore.** Cinabar.
- Mellis, F. R., Baker City, Ore.** Mineral exhibit.

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- Merine & Sons, M., 1009 W. Baltimore St., Baltimore, Md. Pottery.**
- Merrill Coal Co., A. J., Westernport, Md. Coal.**
- Merry Monarch Mine, Nevada. Copper ores.**
- Meyer, H., Farmingdale, N. Y. Clay and brick. Tempering sand and molding sand.**
- Mica Boiler Covering Co., Montreal, Can. Mica.**
- Michigan College of Mines, Houghton, Mich. Large photograph case., Ores.**
- Midas District, Nevada. Gold ores.**
- Midas Mine, S. Summerfield, Hawthorne, Nev. Lead ore.**
- Midland Furnaces, Canada Furnace Co., Ont. Smelting and metallurgical works; products.**
- Midland Mining Co., Lonaconing, Md. Coal.**
- Mikado Mine, T. R. Deacon, Rat Portage, Ont. Gold ore.**
- Millen & Sons, T., Wayland, N. Y. Lime and cement.**
- Miller, A. W., Portland, Oregon. Quicksilver ores, metals, etc.**
- Miller, J. L., Cumberland, Md. Limestone.**
- Milton Pressed Brick Co., Ontario, Can. Pressed brick and terra cotta.**
- Mineral Creek Mining Co., Pierce Co., Wash. Arsenical ore.**
- Minnie Mine, Nevada. Copper ores.**
- Minto Mine, Michipicoton District, Col. Tisdale, Pres., Simcoe, Ont. Gold ores.**
- Miss. R. & Bonne Terre Ry., Mo. Granite.**
- Missouri Coal Co., St. Louis, Mo.**
- Moffatt, Jno., Parry Sound, Ont. Mica.**
- Monte Christo Mining Co., Everett, Wash. Arsenical ore.**
- Montreal & Oregon M. Co., Oregon.**
- Moose Lake Mine, Little Wabigoon Lake, Ont. Gold ores.**
- Morgan Mill, Empire, Nev. Sulphate of copper.**
- Morris & Strobel, Leroy, N. Y. Limestone and marble.**
- Morse Mine, Nevada. Gold and silver ores.**
- Mountain Lion, Josephine Co., Ore. Free gold ore.**
- Mount Diablo Mine, Candelaria, Nev. Lead and silver ores, turquoise, virisicite.**
- Mount Savage Enameled Brick Co., Mount Savage, Md. Brick and tile.**
- Mountain King Mine, Hawthorne, Nev. Lead ore.**
- Mountain Lion Mine, Oregon. Gold ores.**
- Mt. Eve Granite Co., Mt. Eve, N. Y. Granite and trap.**
- Murray, Robert, White R., Ont. Iron ore.**
- National Nickel Co., Cottonwood, Churchill Co., Nev. Nickel, cobalt, etc.**
- National Salt Co., Warsaw, N. Y. Salt.**
- National Wall Plaster Co., Syracuse, N. Y. Gypsum and plaster paris.**
- National Web Tile Sewer Co., Syracuse, N. Y. Web tile sewer.**
- Neepbur, C. T., Catonsville, Md. Clay and clay products.**
- Negaunee Mine, Negaunee, Mich. Ore samples.**
- Nevada Salt and Borax Co., Rhodes Marsh, Esmeralda Co., Nev. Salt, borax, etc.**
- Nevada Sulphur Co., Rabbits Hole Springs. Sulphur.**
- Nevins & Son, James, Walton, N. Y. Sandstone and blue stone.**
- Newark Mine, Nevada. Silver ore.**
- Newark and Rosendale Cement Co., Rondout, N. Y. Cement rock and cement.**
- Newburg Pressed Brick and Clay Co., Newburg, Ore. Pressed brick.**
- New Central Coal Co., The, 1 Broadway, New York City. Coal.**
- New Century Oil Co., Los Angeles, Cal. Crude oil.**
- Newell, A. P., Brooklyn, N. Y. Two Amalgamators for plaza and quartz.**
- New Jersey Slate Co., Newton, N. J. Slate.**
- New Jersey Slate Company, Newton, N. J. Roofing slate. Newton roofing slate is unequalled for strength and unchanging color. Fifty years' test, chemical and physical analysis prove Newton slate superior to all. Write for prices.**
- New Jersey & Pennsylvania Concentrating Works, Edison, N. J.**
- New Jersey Zinc Co., Franklin, N. J. Zinc ores.**
- Newton, Andrew C., Crescent, N. Y. Clay and brick.**
- New York and Rosendale Cement Co., Rondout, N. Y. Cement rock and cement.**
- Nickel Copper Co., John Patterson, Hamilton, Ont. Copper and nickel ores, pyrrhotite, etc.**

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- Nickel Copper Co.,** Worthington, Ont. Smelting and metallurgical works and products.
- Nipigon Mining Lands Co.,** Henry S. Sibley, Detroit. Copper ore.
- Nitch, Arthur B.,** 301 Ramsay St., Baltimore, Md. Brick and tile.
- Noren, Algot,** Ironwood, Mich. Iron ore.
- Northampton Portland Cement Co.,** N. Y. City.
- North Star Mine, A. McCharles,** Sudbury, Ont. Copper and nickel ores, pyrrholite, etc.
- N. Y. Brick and Paving Co.,** Syracuse, N. Y. Clay and brick.
- N. Y. Hydraulic Press Brick Co.,** Rochester, N. Y. Clay and brick.
- N. Y. State Museum.** Iron ores. Morlah, Fort Ann, Chateaugay and Tilly Foster. Sandstone and blue stone. Ithaca, Ulster Co., Malden, N. Y., Port Henry limestone and marble, Hastings, Sing Sing, Hudson, Chaumont, Three Mile Bay, Willsboro Point, South Bethlehem, Lockport. Granite and trap, Luzerne, Greenfield Center. Foundry molding sand. Samples from Glenmont and Coxsackie.
- N. Y. Silicite Co.,** N. Y. City. Silica.
- Nye County, Nevada.** Gold, silver, lead, antimony ores, phosphates, copper.
- Oakfield Plaster Mfg. Co.,** Oakfield, N. Y. Gypsum, crushed gypsum, land plaster and plaster of paris.
- O'Connor, Dan,** Sudbury, Ont. Map of Ontario. (See J. F. Black.)
- Oddie, T. L.,** Belmont, Nye County, Nev. Cinnabar ore.
- O'Donnell & MacManiman,** Newton, N. J. Building stones.
- Oest Mine,** Silver City, Nev. Gold ore.
- Ogden Brick Co.,** Binghamton, N. Y. Brick and clay.
- Ohm, Frederick C.,** Washington, D. C. Rock sections for microscopic use.
- Old Sterling Iron Co.,** Antwerp, N. Y. Red hematite.
- Olinghouse Canon, W. D. Linton,** Wadsworth, Nev. Gold ore.
- Olive Mine, Olive Gold Mining Co.,** Mines Centre, Ont. Gold ores.
- Oliver, Capt.,** Ironwood, Mich. Iron ore.
- Olson, Silvert,** Calumet, Mich. Copper and calcite.
- Onandaga Mine, Nevada.** Silver and lead ore.
- Onondaga Coarse Salt Association,** Syracuse, N. Y. Salt.
- Onondaga Vitrified Brick Co.,** Warners, N. Y. Clay and brick.
- Ontario Carbide Company,** Ottawa, Ont. Calcium carbide.
- Ontario Graphite Co.,** Ottawa. Graphite from Black Donald Mine, Calabogie, Ont.
- Ontario, map of large size,** showing transportation connections at Sault Ste. Marie, Ont., by colored incandescent lamps.
- Ontario, map of large size,** geologically colored with mineral localities, etc., marked.
- Ontario Smelting Co.,** Sudbury & Massey Sta., Ont. Copper ores.
- Ophir Canon, Ophir,** Nye County, Nev. Silver ore.
- Ophir Mining Co.,** Virginia, Nev. Gold and silver ore.
- Oregon Bonanza, Josephine Co.,** Ore. Gold ore.
- Oregon Copper Co.,** Portland, Ore. Copper and gold ores.
- Oregon Lime Co.,** Huntington, Ore. White marble.
- Oregon Mineral Water Co.,** Oregon.
- Oxford Copper Co.,** and **Ontario Smelting Works,** Copper Cliff, Ont. Smelting and metallurgical works and products.
- Ormsby County, Nevada,** Copper, graphite, pyrites of iron, gold, pumice.
- Oromoga Mines, Jasper Co.,** Mo. Zinc ores.
- Osborne, Marcellis & Co.,** Upper Montclair, N. J. Building stones.
- Ossining Lime Co.,** Sing Sing, N. Y. Lime and limestone.
- Ouimette, J.,** Plattsburg, N. Y. Clay, brick and tempering sand.
- Oursler, E. W.,** Westminster, Md. Brick and tile.
- Overman Mine,** Gold Hill, Nev. Aragonite water box.
- Owen Sound Portland Cement Co.,** Shallow Lake, Ont. Portland cement.
- Osark Mine, H. R. Logan,** Carson, Nev. Pyrites.
- Pacific Coast Borax Co.,** Columbus, Nev. Crude and refined borax.
- Pacific Copper Co.,** S. A. Knapp, Hawthorne, Nev. Copper ores.
- Pacific Coast Co.,** Seattle, Wash. Bituminous coal.
- Palmer & Co.,** H. S., N. Y. City. Brass model cement hollow brick-making machine.

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- Pamlico Mine, J. Forbes, Hawthorne, Nev.** Gold ores, model.
- Panaca District, Nevada.** Manganese.
- Panting, J. A., Oregon.** Photos of Gold Hill Mines.
- Parks, Alec., Eganville, Ont.** Mica, Crystals of apatite, sphene, etc.
- Parmenter, D., Potsdam, N. Y.** Sandstone and blue stone.
- Parry, R. W., Reno, Nev.** Gold, silver and lead ores.
- Parry Sound Copper Mining Co., Parry Sound, Ont.** Copper ores.
- Passaic Quarry Co., Avondale, N. J.** Building stones.
- Pattison, G. C., Bloomington, Md.** Coal.
- Paul, F., Ely, White Pine County, Arizona, Nev.** Copper, lead and silver ores.
- Peach Bottom Slate Mfg. Co., Delta, Pa.** Slate.
- Peach & Co., Frank, Granite, Md.** Granite.
- Peavine District, Nevada.** Copper, silver ore, gold ore.
- Peck, Richard, East Bethany, N. Y.** Clay, drain tile and fire proofing.
- Peddleord & Son, J. H., 12 North St., Baltimore, Md.** Granite.
- Peerless Slate Co., Delta, Pa.** Slate.
- Pearhyn Slate Co., Middle Granite, Ont.** Slate.
- Fenrod, E., Elko, Nev.** Gold ore.
- Pere Marquette Coal Co., Saginaw, Mich.** Coal.
- Perine & Son, N., Baltimore.** Pottery.
- Permanent Exhibit, Portland, Ore.** Asbestos.
- Perryville Granite Co., Perryville, Md.** Granite.
- Phillips, C. A., Parry Sound, Ont.** Copper ore.
- Phillips, Hugh J., Salisbury, Md.** Brick and tile.
- Pieher Lead Co., Joplin, Mo.** Lead.
- Pickett Creek Mine, Josephine Co., Ore.** Black manganese.
- Piedmont and Georges Creek Coal Co., The, Frostburg, Md.** Coal.
- Piedmont-Cumberland Coal Co., Piedmont, W. Va.**
- Piedmont Mining Co., 213 E. German St., Baltimore, Md.** Coal.
- Pike Mfg. Co., Pike Station, N. H.** Carborundum.
- Pine Mountain District, Nevada.** Concentrating ores.
- Pine Nut District, J. Rayercraft, Carson, Nev.** Gold ores.
- Piru Oil & Mining Co., Piru, Cal.** Crude oils.
- Polar Star Mining Co., Portland, Ore.** Gold and copper ores.
- Poole, C. E., Turganore.** Limestone.
- Poorman Mine, Ely District, N. P.** Dooley, Ploche, Nev. Silver.
- Portage Blue Stone Co., Portage, N. Y.** Sandstone and blue stone.
- Portage Entry Sandstone Co., Michigan.** Sandstone.
- Potee Bros., Brooklyn, Md.** Clay.
- Poteel, Z., Cockeysville, Md.** Limestone.
- Pratt, Dr. J. H., Chapel Hill, N. C.** Gems of N. C.
- Pratt, John Hyde, Chapel Hill, N. C.** Coll. ex. of N. C. gems.
- Preston Brick Co., Hornellsville, N. Y.** Clay and brick.
- Pritchard, A. L., Pleasantville, N. Y.** Limestone and marble.
- Proctor Bros., Delta, Pa.** Slate.
- Puenta Oil Co., Los Angeles, Cal.** Models of oil wells.
- Puerite Oil Co., Cal.** Model Oil wells.
- Pryor, Jas E., Hagerstown, Md.** Brick and tile.
- Pyne, R. A., Toronto, Ont.** Graphite.
- Queen City Brick & Tile Co., Cumberland, Md.** Brick and tile.
- Queen of Bronze M. Co., Oregon.**
- Queen of Bronze Mine, Waldo, Ore.** Copper ore.
- Queenstown Quarry Co., St. David's, Ont.** Building and ornamental stones.
- Quincy Mine, Michigan.** Ore and milled copper.
- Railroad District, Skaggs, Elko Co., Nev.** Copper, gold and silver ores.
- Rainy Lake Mining and Power Co., West Superior, Ont.** Gold ores.
- Ralph Cairns, Walton, N. Y.** Flagstone.
- Randolph, B. H., Frostburg, Md.** Sandstone.
- Randolph Mine, Mine Centre, Ont.** Gold ores.
- Rattlesnake Mining Co., Oregon.** Gold ores.
- Rayercraft, E., Carson, Nev.** Copper ores, iron ores.

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- Raymond & Ely, Ely, Nev.** Silver ores.
- Reed, C., Eureka, Nev.,** Lead ores.
- Reed, W., Nevada.** Iron ores.
- Reeder, J. T., Calumet, Mich.** Metals and ores.
- Ross & Seawel, Yellville, Ark.** Arkansas minerals.
- Reeves, James A., Joplin, Mo.**
- Regina Mine, Ont.** Gold ores.
- Reidel & Heagle, Portland. Ore.** Building stone.
- Reiger, Henry P., 505 N. Paca St., Baltimore, Md.** Granite.
- Reilly, Wm., Cobleskill, N. Y.** Limestone and marble.
- Retsof Mining Co., Retsof, N. Y.** Salt.
- Rex Oil Co., The, Los Angeles.** Crude oil.
- Rhode Island Graphite Co., Providence, R. I.** Graphite.
- Rich Hill Zinc Works, Joplin, Mo.** Zinc.
- Richardson & Son, James, Kingston, Ont.** Feldspar.
- Rieger, H. P., Baltimore.** Granite.
- Riter, H., Reno, Nev.** Iron ores.
- Rittenhouse, N. M., Baltimore.** Clay.
- Roberts, S. P., Nevada.** Copper ores.
- Robins Conveying Belt Co., N. Y.** City.
- Robinson, Hiram, Worthington, Ont.** Copper and nickel ores, pyrrholite, etc.
- Roche Harbor Lime Co., Roche Harbor, Wash.** Limestone and cement.
- Rochester Brick and Tile Mfg. Co., Rochester, N. Y.** Clay and tile.
- Rock Lake Copper Mining Co., A. S. Burross, Mgr., Bruce Mines, Ont.** Copper ores.
- Roddy, D., Thurmont, Md.** Limestone.
- Rogers, Brown & Co., Buffalo, N. Y.** Coal.
- Rogue River Milling Co., Gold Hill, Ore.** Gold ore.
- Rogue River Milling Co., Jackson Co., Ore.** Gold ore.
- Roof, Wm. A., Westminster, Md.** Limestone.
- Round Top Hydraulic Cement Co., Hancock, Md.** Limestone, lime and cement.
- Royal Blue Mine, Mo.**
- Russell, H. M., Los Angeles, Cal.** Gold quartz.
- Ryan, J. R., Virginia City, Nev.** Comstock ores.
- Snam, Henry, Hancock, Mich.** Artificial specimen.
- Sakoose Mine, Dymont, Ont.** Gold ores.
- Salmon Bros., Ledgewood, N. J.** Building stones.
- Sandusky Portland Cement Co., Sandusky, Ohio.** Cements.
- San Diego Chamber of Commerce, San Diego, Cal.** Lipidolite, lithia and mica.
- Sanford, C. L., Southold, N. Y.** Clay, brick and tempering sand.
- San Lucas Mine, Nevada.** Silver and lead ores.
- Savage Mountain Fire Brick Co., Frostburg, Md.** Brick and tile.
- Sawbill Mine, Ont.** Gold ores.
- Sayre & Fisher Company, Sayresville, N. J.** Enamel brick.
- Scane, W. W., Chatham, Ont.** Mineral water.
- Schneider, Helen M., Eureka, Nev.** Special exhibit.
- Schmeler, John, Magnetawan, Ont.** Copper and nickel ores, pyrrholite, etc.
- School of Practical Science, Toronto, Ont.** Collection Ontario dressed stones and minerals. Large apatite crystal.
- Schwind Quarry Co., 302 Fidelity Bldg., Baltimore.** Granite.
- Scramble Mine, Ont.** Gold ores.
- Seneca Stone Co., Baltimore.** Sandstone.
- Severance, S. M., Fayetteville, N. Y.** Gypsum.
- Seymour Mine, Madoc, Ont.** Iron ores.
- Shaper, A. E., Canajoharie, N. Y.** Limestone and marble.
- Shanahan, James, Tribes Hill, N. Y.** Limestone and marble.
- Shear & Co., A., Duaneburg, N. Y.** Sandstone and blue stone.
- Shehan Bros., Doe Run, Mo.** Granite.
- Shields, J. C., Hancock, Mich.** Copper.
- Shorty Hope M. Co., Oregon.**
- Shreve & Co., Baltimore.** Building sand.
- Shrump, F. W., Montclair, N. J.** Building stones.
- Sidney Kuly, granite, Ottawa, Ont.**
- Sierra Nevada Mining Co., Virginia City, Nev.** Gold and silver ore.
- Signal Oil Co., Franklin, Pa.** Lubricating and lighting oils.

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- Silver Star District, W. J. Douglas, Sodaville, Nev.** Gold ores.
- Sills-Eddy Mica Co., N. Y. C. Mica.**
- Sinclair, Malcolm, Cumberland, Md. Coal.**
- Sinclair Mining Co., The, Cumberland, Md. Coal.**
- Sirdar & Crown Point Mines, Toronto & Western Mining Co., Toronto, Ont.** Gold ores.
- Siskai Copper Co., Grants Pass, Oregon.** Copper ore and copper metal.
- Six Eagles Gold Mining Co., Olympia, Wash.** Ore combining gold, silver, copper and lead.
- Smith, B. G. & J. C., Comowingo, Md.** Flint.
- Smith, Henry S., Sharon Springs, N. Y.** Lime and limestone.
- Smith, J., Elko, Nevada.** Copper ores.
- Smith, William, Calumet, Mich.** Copper, quartz, etc.
- Smith, W. H., North Plainfield, N. J.** Building stones.
- Smith & Co., J., Sydenham, Ont.** Pink marble.
- Smith & Fanning, Dover, N. J.** Building stones.
- Smyth, W. R., Rydel Bank, Ont.** Copper ores.
- Sophia Mine, Marmora & Belmont, Ont.**
- South Dover Marble Co., South Dover, N. Y.** Marble.
- Southern Klondike District, Nevada.** Gold and silver ores.
- Southwest Miners' Ass'n, Los Angeles, Cal.** Specimens gold, silver, lead and copper ores.
- Spears, S. P., Earleigh Heights, Md.** Glass sand.
- Spence Bros., Bruce Mines, Ont.** Trap rock.
- Standard Oil Co., N. Y. City.** Petroleum, its occurrence and its products.
- Standard Sewer Pipe Co., Rochester, N. Y.** Salt glazed sewer pipe.
- Star Mine, Nevada.** Silver ore.
- State of Georgia.** Collective Exhibit of ores and building stones.
- State of North Dakota.** Coal specimen.
- State Line District, W. P. Dooley, Ploche, Nev.** Silver ore.
- Staub, G. R., Wakefield, Md.** Limestone.
- Steamboat Springs, J. Burke, Reno, Nev.** Cinnabar, arsenic, aluminum and gold.
- Stein & Boericke, Philadelphia.** Zinc and iron ore.
- Steiner Mine, Nevada.** Gold and silver ores.
- Stewart, F. J., Hamilton, Ont.** Gananoque sigemites.
- St. Francois Co., Mo.** Various ores.
- St. Genevieve Co., Mo.** Ores and Calcite.
- St. Joseph Lead Co., Bonne Terre, Mo.**
- St. Lawrence Marble Co., Gouverneur, N. Y.** Limestone and marble.
- Stobie Mining Co., Sault St. Marie, Ont.** Copper ores.
- Stock, H. H., Scranton, Pa.** Safety lamps and publications.
- Stockton Stone Co., Stockton, N. J.** Building stones.
- Storey County, Nevada.** Great Comstock lode ores, model of timbering.
- Strayer, David S., Ridgely, Md.** Brick and tile.
- Strickland, H. T., Peterboro, Ont.** Lithographic stone.
- St. Thomas District, D. Bonelli, Rloville, Nev.** Gold, silver, rock salt, etc.
- Stobie Mine, Desbarats, Ont.** Copper ores.
- Stouter, J. M., Emmittsburg, Md.** Brick and tile.
- Strom, Andrew, Ironwood, Mich.** Iron ore.
- Stummel, J. W., Walkersville, Md.** Limestone.
- Sturgeon Lake Mining Co., St. Catharines, Ont.** Gold ore and free gold specimens.
- Sugar Pine Mine, Josephine Co., Ore.** Free gold ore.
- Sultana Mine, Wm. Strong, Rat Portage, Ont.** Gold ores.
- Sultana Nickel Mine, Worthington, Ont.** Copper and nickel ores, pyrrhotite, etc.
- Sunday, D., Harmony Grove, Md.** Limestone.
- Sunrise Mine, T. L. Oddie, Belmont, Nye Co., Nev.** Cinnabar ores.
- Swanhilda Mine, H. R. Logan, Carson, Nev.** Copper ores.
- Swayne, E. L., Los Angeles, Cal.** Crystal salt.
- Symonds, A. D., Elmira, N. Y.** Sandstone and blue stone.
- Symmes, H. R., Thunder Bay District, Ont.** Gold ores.

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- Syracuse Pottery Co., Syracuse.**
Flower pots and seed pans.
- Table Mountain District, Nevada.**
Silicate of copper.
- Tamarack-Oscola Mine, Michigan.**
Copper ore.
- Taney & Co., Mo.** Lead and zinc ores.
- Tavenier & Johnson, Closter, N. J.** Building stones.
- Texas Lime Co., Texas, Md.** Limestone.
- Thomas, B., Paterson, N. J.** Building stones.
- Thomas, Evan, Prospect, N. Y.** Limestone and marble.
- Thomas, Francis, Troy, N. Y.** Slate and slate paint.
- Thomas, Loren, Waterloo, N. Y.** Limestone and marble.
- Thompson, Wm., Reno, Nev.** Alum.
- Thorn Cement Co., Buffalo.** Portland cement.
- Thunder Bay District, Dr. Emory, Toronto, Ont.** Iron pyrites.
- Tobino, Mrs. D., Nevada.** Gold ores.
- Todd, F. C. & Co., Salisbury, Md.** Brick and tile.
- Tonapah District, T. L. Oddie, Tonopah, Nye Co., Nev.** Gold and silver ores.
- Tower & Company, A. E., Poughkeepsie, N. Y.** Iron ores.
- Travis & Kinsbury, Hale Eddy, N. Y.** Flagstone.
- Trent Valley Peat Fuel Co., A. L. Davis, Peterboro, Ont.** Peat fuel.
- Triggs Mine, Ont.** Gold ores.
- Tri Mountain Mine, Michigan.** Ore and milled copper.
- Trembly Mine, Lake Superior, North Shore, Ont.** Copper ores.
- Tuscarora District, Nevada.** Stephanite and ruby silver ores.
- Twentieth Century Trading Co., Gold Ores, Mines, Gold Rock, Ontario.** Modern Machinery, Great Ore Deposits, Thirteen Dividends paid since May, 1900. Treasury shares for sale for enlarging plant to increase Dividends. Write for prospectus. Address, Anthony Blum, Prest., 85 Court St., Boston, Mass.
- Twining & Co., S. B., Stockton, N. J.** Building stones.
- Underhill Brick Co., W. A. Croton Point, N. Y.** Clay and brick.
- Union Akron Cement Co., Buffalo, N. Y.** Cement rock and cement.
- Union Mining Co., Mount Savage, Md.** Brick and tile.
- Union Tale Co., New York, N. Y.** Talc.
- United States Marble Co., Spokane, Wash.** Marble.
- University of California, Berkely, Cal.** Publications.
- University of Chicago.** Mineral collection.
- University of Colorado, Colorado Springs.** Publications.
- Utica Stone Co., Franklin, Pa.**
- Van Etten, James S., Granite, Ulster Co.** Millstone.
- Variegated Marble Co., Roseburg, Ore.** Four varieties variegated marble.
- Vassar College.** Petrotome.
- Verd Antique Marble Co., Thurman, N. Y.** Limestone and marble.
- Vesuvius Mine, Nevada.** Carbonate ore.
- Victor Mining Co., Josephine Co., Ore.** Gold ore.
- Victoria Mine, W. Smith, Caledonia, Ont.** Gypsum.
- Victoria Mines, Ludwig Mond Co., Victoria Sta., C. P. R.** Copper, nickel ores, pyrrhotite, etc.
- Viking Mine, J. D. Curran, Rat Portage, Ont.** Gold ores.
- Vivian, Johnson, Houghton, Mich.**
- Vivian Mine, Nevada.** Gold ore.
- Von Moltke Mine, Jackson Co., Ore.** Gold ore.
- Vulcan Mining Co., Siegelville, Esmeralda Co., Nev.** Copper ores, coal.
- Vulcan Mining Co., Vulcan, Mich.** Ore samples.
- Vulcanite Portland Cement Co., Vulcanite, N. J.** Cement.
- Wakefield Fire Brick Co., North East, N. Y.**
- Wall, J., Carson, Nev.** Copper ore.
- Wallbridge Mine, Madoc, Ont.** Iron ores.
- Walters, A. J., Motters, Md.** Limestone.
- Walker Bros., Merriton, Ont.** Building and ornamental stones.
- Walker Bros., Thorold, Ont.** Limestone.
- Walton Marble Co., Port Henry, N. Y.** Limestone and marble.
- Warsaw Blue Stone Co., Warsaw, N. Y.** Sandstone and blue stone

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- Washington Co., Mo. Bayrite and lead ores.
- Washington Junction Stone Co., Point of Rocks, Md. Marble.
- Washoe County, Nevada. Gold, silver, copper, cinnabar, lime, arsenic.
- Watson-Lay Coal Co., Barnum, W. Va. Coal.
- Wayland Portland Cement Co., Wayland, N. Y. Lime and cement.
- Weber, Albert, Baltimore. Granite.
- Welcome Mine, W. H. Kirk, Carson, Nev. Graphite.
- Weldy, H. A., Tamaque, Pa. Soapstone.
- Weller, Wm. F., Granite, Md. Granite.
- Wells & Hall, Ogdensburg, N. Y. Paint, mortar color and iron ore.
- Welsbach Light Co., Phila. Pa. Ex. Iridosmium.
- Werner Bros., Ellicott City, Md. Granite.
- Westmoreland Coal Company, Office 224 S 3d St., Philadelphia. Mines, Westmoreland County, Pa. "Gas coal of the very highest grade, containing nearly 40 per cent. of volatile matter, singularly free from sulphur and ash, of great use in making both illuminating and producer gas and in raising large quantities of steam."
- White, J. H. & R. H. Allen, Saratoga Springs, N. Y. Granite and trap.
- White, Joseph H., Easton, Md. Clay and prod.
- Whiteford Green Marble Co., Whiteford, Md. Marble.
- Whiteford, S. J. & H. C., State Hill, Pa. Flint.
- Whitehurst, J. T., Baltimore. Mineral paint.
- Whitehurst & Co., J. T., Columbia Ave., Baltimore, Md. Mineral paint.
- White Pine County, Nevada. Silver, lead, gold, iron, copper, etc.
- Whitney Marble Co., Gouverneur, N. Y. Limestone and marble.
- Whitney Mine, Gold Hill, Ore. Gold ore.
- Widekind, Geo., Reno, Nev. Silver ore.
- Wilbur Mine, Wm. Caldwell, Lanark, Ont. Iron ores.
- Wiley, F. S., Port Arthur, Ont. Silver ores.
- Wilholt Springs Mineral Water Co., Portland, Ore. Mineral water.
- Williams, William, Durhamville. Glass sand.
- Williams & Co., C., Bigelow, N. Y. Lime and limestone.
- Williamson & Co., John N., New York. Sand and clay.
- Wilson, J., Yerington, Nev. Copper ore.
- Wilson, Wm., Pine Grove, Nev. Gold ore.
- Windsor Salt Works, E. Henderson, Windsor, Ont. Salt.
- Winkle Terra Cotta Co., Mo.
- Winnemucca Mountain District, Nev. Copper ores.
- Witherbee, Sherman & Co. Magnetite from Mineville.
- Wolverine Mine, Michigan. Copper ore and milled copper.
- Wood, Tingley S., Leadville, Col. Gold nuggets.
- Woods Investment Co., Victor, Col. Minerals.
- Woodcock Nathaniel, Loring, Ont. Copper ores.
- Worcester Salt Co., Silver Springs, N. Y. Salt.
- Wright, J. E., Baltimore. Fire brick.
- Wright, Prof. L. L., Ironwood, Mich. Iron ore.
- Yankee Boy Mine, Douglass Co., Ore. Copper ore.
- Yellitt, T. & Co., Texas, Md. Limestone.
- Yellowhorn Mine, Josephine Co., Ore. Gold ore.
- Yellow Jacket Mining Co., Nevada. Gold and silver ore.
- Yerington, J. A., Nevada. Gold, silver, lead, iron, sulphur, viriscite, etc.
- Yucca Mfg. Co., Los Angeles, Cal. Asphalt.
- Yukon Oil Company, Los Angeles, Cal. Crude oils.
- Zenith Mine, Thunder Bay District, near Rosspport, Ont. Zinc.
- Zouck & Co., Cavetown, Md. Limestone, lime and cement.

**Firms exhibiting in Geological
Survey of New Jersey.**

Allen Granite Construction Co.,
Waterloo, N. J. Building stone.

Alpha Portland Cement Co., Al-
pha, N. J. Cements.

American Copper Mining Co.,
Somerville, N. J. Copper ores.

Bartell, Wm. E., Martinsville, N.
J. Building stone.

Birney, David, German Valley, N.
J. Building stone.

Heisenbutte, G. W., Ridgefield, N.
J. Building stone.

Hibernia Mine, Hibernia, N. J.
Iron ores.

Lyman Kice, German Valley, N.
J. Building stone.

New Jersey and Pennsylvania
Concentrating Works, Edison, N. J.
Iron ores.

New Jersey Slate Co., Newton, N.
J. Slate.

New Jersey Zinc Co., Franklin,
N. J. Zinc ores.

O'Donnell & MacManiman, New-
ton, N. J. Building stone.

Osborne, Marcellis & Co., Upper
Montclair, N. J. Building stone.

Passaic City Brown Stone Co.,
Passaic, N. J. Building stone.

Passaic Quarry Co., Avondale, N.
J. Building stone.

Salmon Bros., Ledgewood, N. J.
Building stone.

Shrump, F. W., Montclair, N. J.
Building stone.

Smith, W. H., North Plainfield, N.
J. Building stone.

Smith & Fanning, Dover, N. J.
Building stone.

Stockton Stone Co., Stockton, N.
J. Building stone.

Tavenier & Johnson, Closter, N.
J. Building stone.

Thomas, B., Paterson, N. J. Build-
ing stone.

Twining & Co., S. E., Ltd., Stock-
ton, N. J. Building stone.

Vulcanite Portland Cement Co.,
Vulcanite, N. J. Cements.

MEXICO.

Aguilar, Francisco, Ures, Sonora.
Gold and silver ores.

Ahumada, Miguel, Chihuahua,
Chihuahua. Silver ores.

Bikerton, Jc., Moctezuma, Sonora.
Silver ores.

Blanco, Angel, Sultepec, Mexico.
Silver ores.

Cardenas, Amador, Jimulco, Coa-
huila. Mexican onyx.

Comision de Exposicion de San
Luis Potosi, San Luis Potosi. Mineral
collection.

Compania Carbonifera de Fuente,
Coahuila. Coal specimen.

Compania de Fundicion de Fierro
y Manufacturera de Monterey, Nuevo
Leon. Mining cart.

Compania Del Real Del Monte y
Pachuca, Pachuca, Hidalgo. Mineral
collection.

Compania Del Real Del Monte y
Pachuca, Pachuca, Hidalgo. Photo-
graphic mining maps.

Compania Francesa Minera de
San Pedro, Altar, Sonora. Silver ores.

Compania Mexicana de Cal Hid-
raulica, Cemento y Material de Con-
struccion, S. A., Mexico. Building
stone. D-F.

Compania Minera "Crus y Anex-
as," Mexico. Quicksilver ores. D-F.

Compania Minera de Bajan, Mon-
terey, Monterey. Silver ores.

Compania Minera de Penoles, Ma-
pimi, Durango. Lead and silver ores.

Compania Minera de Pinuco, Ma-
zatlan, Sinaloa. Mineral collection.

Compania Minera de San Rafael
y Anexas, Zacatecas, Zacatecas. Sil-
ver ores.

Compania Minera Del Boleo, Baja
California. Copper ores.

Compania Minera Fundidora y
Afinadora de Monterey, Monterey.
Lead and silver ores.

Compania Minera. Lampazos, Nu-
evo Leon. Silver ores.

Compania Minera "La Castellana
y San Ramon" Ahuacatlan, Tepic. Sil-
ver ores.

Compania Minera "La Fraternal,"
S. A. Lampazos, Nuevo Leon. Zinc
ores.

Compania Minera "La Palma,"
Sombrerete, Zacatecas. Silver ores.

Creel, Enrique, Chihuahua, Chi-
huahua. Silver ores.

Creston Colorado Mining Co., Her-
mosillo, Sonora. Gold and silver ores.

Cruz, Rafael, Chihuahua, Chihua-
hua. Silver ores.

- Detroit Mexican Company, Sulteppec Mexico.** Silver ores.
- Durazo Venancio, Lampazos, Nuevo Leon.** Silver ores.
- Flores Francisco, Arizpe Sonora.** Silver ores.
- Fundicion de Sinaloa, Mazatlan, Sinaloa.** Foundry photographs.
- Galvan Serapio, Guadalupe, Zacatecas.** Silver ores.
- Garcia, Francisco H., Tacubaya.** Silver ores. D—F.
- Garcia, Lucas R., Lampazos, Nuevo Leon.** Silver ores.
- Garcia Trinidad, Mexico, D. F.** Silver ore collection.
- Gobierno Del Estado de Aguascalientes, Aguascalientes, Tepezala y Asientos Ocampo.** Silver ores.
- Gobierno Del Estado de Durango, Durango.** Building stone.
- Gobierno Del Estado de Durango, Durango.** Mexican onyx.
- Gobierno Del Estado de Durango, Durango.** Native sulphur.
- Gobierno Del Estado de Durango, Durango.** Silver ore collection.
- Gobierno Del Estado de Guanajuato, Guanajuato.** Building stone.
- Gobierno Del Estado de Guanajuato, Guanajuato.** Mineral collection.
- Gobierno Del Estado de Mexico, Toluca.** Silver ores.
- Gobierno Del Estado de Sinaloa, Mazatlan, Sinaloa.** Ore collections.
- Gobierno Del Estado de Zacatecas, Zacatecas.** Silver ores.
- Gomez, Francisco, Hidalgo Del Parral, Chihuahua.** Silver ores.
- Gran Fundicion Central de Aguascalientes, Aguascalientes.** Map and products of the foundry.
- Gran Fundicion Central Mexicana de Aguascalientes, Aguascalientes.** Silver ores.
- Gregg, W., Moctezuma, Sonora.** Copper ores.
- Henhart, Aurelio, Charcas, San Luis Potosi.** Antimonial ores.
- Honey, Ricardo, Mexico.** Iron ores. D—F.
- Hoyos Antonio Moctezuma, Sonora.** Silver ores.
- International Mining Company, Nieves, Zacatecas.** Photographic mining views.
- King, J. K. M., Moctezuma, Sonora.** Silver ores.
- La Dura Mill and Mining Co., Alamos Sonora.** Silver ores.
- La Dura Mining and Milling Co., Hermosillo, Sonora.** Anthracite and natural coke.
- Lejeune, Fernando, Minillas, Zacatecas.** Silver ores.
- Maiz Joaquin, Monterey, Nuevo Leon.** Lead and silver ores.
- Martinez, Baca Eduardo, Mexico.** Mineral collections. D—F.
- Mazapil Copper Co., Concepcion Del Oro, Zacatecas.** Silver ores.
- Mendoza Presbitero, Guanajuato, Guanajuato.** Mineral collection.
- Mezquital Mining Co., Mezquital Del Oro, Zacatecas.** Silver ores.
- Moctezuma Copper Mine, Moctezuma, Sonora.** Copper ores.
- Moreneau, Francisco, Altar Sonora.** Silver ores.
- Municipalidad de Tepeji Del Rio, Atotonilco, Hidalgo.** Lime stone.
- Municipalidad de Tepeji Del Rio, Atotonilco, Hidalgo.** Marbles.
- Munoz de la Camara Enrique, Mexico.** Mineral collection. D—F.
- Negociacion de Candelaria y Anexas, Pinos, Zacatecas.** Gold and silver ores.
- Negociacion Minera de Santa Maria de Guadalupe, Guadalupe, Zacatecas.** Lead ores.
- Negociacion Minera Del Progreso, Triunfo, Baja, California.** Silver ores.
- Negociacion Minera Restauradora, Purisima y Anexas, Noria de Angeles, Pinos, Zacatecas.** Silver ores.
- Negociacion, Saucedo, Zacatecas.** Collection of silver ores.
- Oliman, Manuel, Puebla, Puebla.** Green streaky Mexican onyx.
- Ortega, Diego L., Arizpe, Sonora.** Silver ores.
- Ortega, Diego M., Altar, Sonora.** Silver ores.
- Pedrazini, Juan, Arizpe, Sonora.** Silver ores.
- Pereira, Manuel, Moctezuma, Sonora.** Silver ores.
- Pereira, P., Lampazos, Nuevo Leon.** Silver ores.
- Robinson, W. H., y Socios, Oaxaca, Mexico.** Lead ores.
- Rule, Francisco, Pachuca, Hidalgo.** Mining maps.
- Rule, Francisco, Pachuca, Hidalgo.** Silver ore collection.

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San Carlos Copper Co., San Jose, Tamaulipas. Ore collection.
Santa Cruz Francisco, Colima, Colima. Building stone.
Santa Cruz Francisco, Colima, Colima. Marbles.
Sellerier, Carlos, Mexico. Metallic ore collection. D-F.
Smith, J. E., Moctezuma, Sonora. Silver ores.
Sombrerete Mining Co., Sombrerete, Zacatecas. Metallic ore collection.
The Chiapas Mining Co., Pichucalco, Chiapas. Silver ore, Sante Fe Mine.
The Dos Cabelas Mining Co. Silver ores.
The Mexican Gold and Silver Recovery Co., Hermosillo, Sonora. Gold and silver ores.
The Moctezuma Copper Co., Lam Pazos, Nuevo Leon. Silver ores.
The Santa Rosalia Mining Co., Arizpe, Sonora. Silver ores.
Torres, F., San Luis Potost. Silver ores.
Vallejo, Loreto, M., Ahuacatlan, Tepic. Territorial map of Tepic.
Vallejo, Loreto M., Ahuacatlan, Tepic. Silver ores and photographs of Ceboruco Volcano.
Ybarra, Jesus Y., Pinos, Zacatecas. Silver ores.

IDAHO.

Bailey, D. W. Copper.
Bary Bryan Mine. Silver and copper.
B. B. & I. Gold Co. Gold and copper.
Bibby, S. E., Grangeville. Ox Ankle Joint.
Big Buffalo Mine. Gold and copper.
Blackbird District. Copper ore.
Bledsoe, Capt. Gold and silver.
Bloaghoff, H. J. Gold, silver and copper.
Blue Jacket Mine, Seven Devils.
Brisben, Edward, Absedion.
Brisben, Edward. Gold blossom rock.
Brisben, Edward. Gray copper and galesia.
Brisben, Edward. Jasper.

Brisben, Edward. Lead.
Bull Dog Mine. Copper.
Bullion Mine. Lead and silver.
Bunker Hill and Sullivan Concentrating Co., Wallace, Idaho. Silver and lead concentrates.
Carston Mine, Salmon District. Copper ore.
Columbia Mine. Gold.
Coresus Mine. Gold and copper.
Cracker Jack Buffalo Hump. Gold.
Delamar Mining Co. Gold.
Democrat Mine. Lead and silver.
Denham, J. M., Grangeville. Gold quartz.
Dewey Mining Co. Copper and gold.
Dixie Mining District. Gold ore.
Dixie Queen Mine. Gold.
Eastern Mining Co. Gold.
Eben Mounts. Copper.
Ellen L. Mine. Gold.
Evergreen Mine. Gold and concentrates.
Fourth of July Mine. Gold ore.
Gray, Ben R. Iron.
Grangeville Mine. Gold.
Great Eastern Mine. Copper.
Hawley and Pritchett. Gold and silver.
I. X. L. Mine. Concentrates.
I. X. L. Mine. Gold, silver and copper ore.
Idaho County. Copper ore.
Jumbo Mine. Concentrates and gold.
Karsten and Gattfredsen. Copper.
King Mine. Gold, silver and lead.
Leach, P. H., Grangeville. Gold quartz and placer gold.
Lemhi County. Petrified wood.
Liberty Mine. Gold and copper.
Little Florence Mine. Gold and copper.
Mammoth Mining Co. Gold.
Mammoth Mining Co. Lead and silver.
McDuffie, J. T., Idaho Co. Alum.
McDuffy, J. T. Gold ore.
McFadden, H. J. Gold ore.
McKinley, Wm. Gold ore.
Middleman Mine. Gold and silver.

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Nola Mine. Gold and silver.
Omyhee Co. Onyx and opalised wood.
Otto Ablng. Gold.
President Lode. Gold.
Red Cloud Mine. Lead, silver, silicate and iron.
Reed George K. Gold.
Rice, L. C. Lona rock.
Rice, L. C. Petrified wood and opalised wood.
Rice, L. C. Silver and lead.
Seven Devils Mining District.
Seven Devils. Peacock copper.
Small Boy Mine. Gold and copper.
State University Museum. Gold, copper, silver and lead.
State University. Slemhesite, yellow ochre, sheet mica and Indian curios; specimens of silver and lead from Coeur d'Alaine district.
St. Louis Mine. Gold and copper.
Taylor, W. H. Opal mines.
Taylor, W. H. Opal rock.
Thunder Mountain Mine, Caswell Bros. Gold.
Tip Top Mine. Gold and silver.
Trade Dollar Mining Co. Gold and silver.
Travelers Mine. Gold.
Uncle Sam, Blackbird District, Copper.

Westford Gold Mining Co. Copper and gold.
Wilson, Edgar. Asbestos.

WASHINGTON STATE.

Burbridge, G. L., Spokane. Steatite.
Burnett, C. H., Burnett. Kaolin and manufactured products.
Crown Point Mining Co., Seattle. Molybdenite.
Shedd, Prof. S., Pullman. Relief map of State.
Skagit Coal and Coke Co., Cokedale. Coke and coal.
State of Washington. Ores of gold, silver, copper, lead, iron antimony, arsenic, tellurium, and molybdenum.
Minerals: Graphite, realgar, orpiment, stibnite, molybdenite, calvarite, sylvanite, galanite, chalcopyrite, chalcocite, bornite, freibergite, cuperite, malachite, azurite, chrysocolla, cubanite, hematite, limonite, and steatite.
Stone: Limestone, granite, marble, serpentine, sillica.
Coal, bituminous.
Clays: Kaolin, fire clay and cement clay.
Manufactured products, etc.: Coke, delit ware, terra cotta, fire and common brick.
Sunset Copper Min. Co., Everett Washington. Copper ores.
U. S. Marble Co., Spokane. Slate.
Washington Brick, Lime and Mfg. Co., Spokane. Fire brick and terra cotta.

Graphic Arts Division.

"GALLERY" AND "WORKSHOP" BUILDINGS.

Thomas M. Moore, Supt.

Richmond C. Hill, Asst. Supt.

NATURE OF EXHIBITS.

Paper, Illustrations, Inks, Printing,
Engraving, Lithographing, Etching,
Bookbinding, and Machinery in use therefor.

EXHIBITORS.

GALLERY.

Albertype Co., Brooklyn, N. Y. Photogravures.
American Three Color Co., Chicago, Ill. Specimens of color printing.
Appleton & Co., D., 72 Fifth Ave., New York, N. Y. Books, illustrations.
Brown Paper Co., L. L., Adams, Mass. Paper.
Buffalo Printing Ink Works, Buffalo, N. Y. Inks.
Bushnell, Alvah, Philadelphia, Pa. Copying machine.
Central Screen Plate Works, Niagara Falls. Screen plates for paper making.
Century Co., The, New York City, Publications, engravings, etc.
Chicago Colortype Co., Chicago, Ill. Color printing.
Courier Co., Buffalo, N. Y. Posters, lithographs, etc.
Crane Bros., Westfield, Mass. Ledger and linen papers. Crane's "Gold Medal" ledger papers. Crane's "Japanese Linen" papers. Crane's "Warranted All Linen" papers. Are unequalled for commercial use.

Doubleday, Page & Co., New York, N. Y. Magazine, books, illustrations.
Dow Composing Machine Co., New York. Type-setting machines, etc. The machines of this company set, distribute and justify movable printers' type at the highest possible speed. Best printing effects at minimum cost.
Eaton & Glover Co., New York, N. Y. Engraving machines. We make machines for any kind of engraving. Tell us your requirements and get the benefit of our long experience in this special field.
Esleeck Paper Co., Turners Falls, Mass. Papers.
Forman, Bassett & Hatch, Cleveland, Ohio. Bookbinding.
Francis, A. E., Cleveland, Ohio. Engraving machines.
Funk & Wagnalls, New York, N. Y. Books, illustrations.
Graphic Arts Co., Philadelphia, Pa. Etching machine.
Hall, Geo. P. & Son, New York, N. Y. Photographs.
Hausauer & Son, G. M., Buffalo, N. Y. Color and other printing.
Hoen & Co., A., Baltimore, Md. Maps, lithographing.

- International Paper Co.,** New York City. Paper.
Products: Print, wrapping and miscellaneous papers. Pavillion 32x20 feet, constructed of rolls of paper. For exhibit illustrating process of manufacture, see exhibit of United States Patent Office in Government Building.
- Korn, Wm.,** New York City. Crayons.
- Laird & Lee,** Chicago, Ill. Publications.
- Leslie's Publishing Co.,** New York City. Magazine, engravings.
- Levy, Max,** Philadelphia, Pa. Half-tone gratings.
- Locke, W. O.,** Cincinnati, Ohio. Dog pictures.
- Macdonald, James,** New York City. Bookbinding.
- Mann Co., William,** Philadelphia, Pa. Blank books and bookbinding. Manufacturers of blank books, copying books and paper; stationers, printers and lithographers. Offices and salesrooms, 529 Market St., Philadelphia, Pa.; 60 Malden Lane, New York, N. Y. Factory, 21 to 27 North Fifth St., Philadelphia, Pa. Paper mills, Lambertville, N. J.
- Matthews Co., The J. N.,** Buffalo, N. Y. Specimens of printing and engraving.
"The Complete Press" comprises the Buffalo Express and the Matthews-Northrup Printing Works, with offices and studio in Madison Square Garden Tower, New York. Its fame is international.
- McClure, Phillips & Co.,** New York. Magazine, illustrations.
- Merrymount Press (D. B. Updike),** Boston, Mass. Printing.
- Mittineague Paper Co.,** Mittineague, Mass. Paper and stationery, etc.
- National Magazine,** Boston, Mass. Magazine, illustrations.
- New York Consolidated Card Co.,** The, New York, N. Y. Playing cards.
- New York Portrait Co.,** Sigmund Tenner, New York City.
- Niagara Paper Co.,** Lockport, N. Y. Colored cover papers.
- Norwood Press,** Norwood, Mass. Book-making.
- Osborne Co., W. F.,** New York, N. Y. Reproduction of paintings, drawings, etc.
- Parsons Bros.,** New York City. Export papers.
- Parsons Paper Co.,** Holyoke, Mass. Paper, high grade.
- Perry Pictures Co.,** Malden, Mass. Educational papers.
- Pennypacker, M. W. & C.,** Asbury Park, N. J. Printing, publications.
- Pratt, Minnie Sophia,** New York. Bookbinding.
- Ringler & Co., F. A.,** New York City. Electrotyping.
- Schlehr, John W.,** Buffalo, N. Y. Metal engraving.
- Success Publishing Co.,** New York City. Magazine, illustrations.
- Swift & Co., A. L.,** Chicago, Ill. Art supplements.
- The Guiding Star Publishing House,** Chicago, Ill. Publications.
- Toof & Co., S. C.,** Memphis, Tenn. Bookbinding.
- United States Geological Survey,** Washington, D. C. Map making.
- United States Lithograph Co.,** Cincinnati, Ohio. Lithographs, posters.
- United States Playing Card Co.,** The, Cincinnati, Ohio. Playing cards.
- United States Printing Co.,** The, Brooklyn, N. Y. Posters and specimens of printing.
- Western Bank Note Co.,** Chicago, Ill. Engraving on metal.
- Weston Co.,** Byron, Dalton, Mass. Ledger papers.

WORKSHOP.

- American Embossing Co.,** Buffalo, N. Y. Embossing machine.
- Anthony & Co., E. & H. T.,** New York, N. Y. Cameras and photographic apparatus.
- Babcock Printing Press Co.,** New London, Conn. Printing presses.
- Bogue, C. J.,** New York. Photo-Engraving lamp.
- Boston Printing Press Co.,** Printing presses.
- Buffalo Envelope Co.,** Buffalo, N. Y. Envelope machine.
- Courier Co.,** Buffalo, N. Y. Composition rollers for printers.
- Dexter Folder Co.,** Pearl River, N. Y. Folding machines.
- Dow Composing Machine Co.,** New York. Type-setting machine.
- Eagle Ink Co.,** New York. Printing inks.

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- Electric City Engraving Co., Buffalo, N. Y.** Proofs of photo-engravings, photo-engraving processes.
- Ermold, E., New York.** Envelope-making machine.
- Hempel & Dingers, Buffalo, N. Y.** Printers' quoins.
- Hobbs Mfg. Co., Worcester, Mass.** Envelope-making machine.
- Hoe & Co., R., New York, N. Y.** Electrotyping machinery, etc.
- Jones Co., The John M., Palmyra, N. Y.** Printers' machinery.
- Kelsey Press Co., The, Meriden, Conn.** Printing presses.
- McLaughlin, S., Los Angeles, Cal.** Printing frames for photo-engravers.
- Miehle Printing Press Mfg. Co., Chicago, Ill.** Printing presses.
- Morrison Co., The J. L., New York, N. Y.** Wire stitching machines.
- Niagara Envelope Co., Buffalo, N. Y.** Envelope making.
- Oswego Machine Works, Oswego, N. Y.** Cutting machines.
- Rouse & Co., H. B., Chicago, Ill.** Printers' tools.
- Thompson Press Co., John, New York, N. Y.** Printing and embossing presses.
- Tympalyn Co., The, Boston, Mass.** Printers' make-ready.
- Unitype Co., New York City.** Type-setting machines.
- Van Allen & Boughton. Huber Press.**
- Wesol Mfg. Co., F., New York.** Patent grooved block.

Ordnance Division Buildings.

Thomas M. Moore, Supt.

Lieut. Godfrey L. Carden, R. C. S., in charge.

NATURE OF EXHIBITS.

Artillery, Small Arms, Ammunition,
Vehicles, Clothing, Commissary Stores and Equipment,
Ship Models, Boats, Relics, Statistics, etc.

EXHIBITORS.

American Bridge Co. of New York, N. Y. Structural steel and engineering equipments.

American Ordnance Co., Bridgeport, Conn. Artillery, coast, field and naval guns.

American Ship Windlass Co., Providence, R. I., U. S. A. Established 1857. Manufacturers of "Providence" windlasses, capstans and winches; Shaw & Spiegle patent automatic steam towing machines; automatic steam riding windlasses for light-ships. Stockless anchors; wharf props; barring engines; rudder supporters, rubber hawse pipe stoppers chain stoppers, etc.

American Souvenir Co., City Bank Bldg., Buffalo, N. Y. Concessionaires.

Blocher Shoe Mfg. Co. Army shoes, hunting boots.

Buffalo Concession Co., Concessionaries.

"Buzsacott" Military and General Camp Equipment, Chicago, Ill. "Complete Model Outfit" showing U. S. Government Standard camp and field equipment in all lines—Contractors to the U. S. and foreign governments, National Guard, sporting, hunting clubs, etc., etc.

Champion Rivet Co., Cleveland, Ohio. Victor boiler rivets.

Cataract Tool & Optical Co., 357 7th St., Buffalo, N. Y. Telescopic sights,

Chicago Pneumatic Tool Co., Monadnock Bldg., Chicago, Ill. Ship construction tools.

Colt's Patent Fire Arms Co., Hartford, Conn. Machine guns, fire arms.

Continental Iron Works, Brooklyn, N. Y. Submarine mines, combustion chambers and corrugated furnaces.

Corson, John W., Hospital Tents.

Driggs-Seabury Gun & Ammunition Co., 43 Cedar St., New York City. Artillery.

Ferracute Machine Co., Bridgeton, N. J. Cartridge machinery, cartridges.

Firth-Stirling Steel Co., Pittsburg, Pa. Armor piercing projectile and tool steel.

Fulton-Walker Co., 20th & Tilbert Sts., Philadelphia, Pa. Invalid carriages.

German-American Provision Co., Union Stock Yards, Chicago. Commissary goods.

Exhibit of Circle "E" Blue Ribbon Brand canned meats for armies and navies and government supplies.

Gruson Iron Works, 31 Nassau St., New York City. Coast defense turret.

Gruson Iron Works, Works at Ed-dystone, Pa., near Philadelphia. Manufacturers of Gruson Turrets for coast defense. Also Chilled Rolls, Rolling mill plant and chilled and unchilled castings of all descriptions.

- Heins Co., H. J., Pittsburg, Pa.**
Commissary goods.
- Hollar Lock & Guaranty Co.,** including exhibits from the Bethlehem and Carnegie Steel Companies. Armored vaults.
- Ife, Walter, 327 Delaware Ave.,** Buffalo, N. Y. Water-tight bulk-head doors.
- Lefever Arms Co., Syracuse, N. Y.**
Fire arms.
- Lesley-Trinkle Co. Cements.**
- Libbey, McNeil & Libbey, Union**
Stock Yards, Chicago, Ill. Commissary goods.
- Lidgerwood Mfg. Co., 96 Liberty**
St., New York City. Ammunition holsters, model coaling ship at sea.
- Michigan Yacht & Power Co.,** Detroit, Mich. Armed launches.
- Mondragon, E., Lt. Col., Mexican Army.**
Fuses, smokeless powder.
- Niagara Envelope Manufactory,**
Concessionaire.
- Pan-American Badge & Souvenir**
Co., Buffalo, N. Y. Concessionaires.
- Pencoyd Steel Co., Pencoyd, Pa.**
Structural steel.
- Perkins-Campbell Co., 622 Broad-**
way, Cincinnati, Ohio. Cavalry and artillery equipments.
- Peters Cartridge Co., The, Cin-**
cinnati, Ohio.
Manufacturers of ammunition for rifle, revolver, pistol and gun. Peters cartridges have excelled in every line of shooting and hold the shooting records of the world.
- Reeves & Son, Paul S., 1415 Cath-**
arine St., Philadelphia, Pa. Marine equipments. Torpedo spoon ejector, artillery castings.
- Remington Arms Co., Ilion, N. Y.**
Manufacturers of the celebrated Remington single shot and Remington-Lee magazine military rifles; also hammer and hammerless double and single shot guns, sporting and target rifles and pistols, world-renowned for accuracy and durability.
- Ritchie & Son, E. S., Brookline,**
Mass. Compasses and nautical instruments.
- Savage Arms Co., Utica, N. Y.**
Fire arms.
- See, Horace, 1 Broadway. New**
York City. Marine models.
- Smith & Wesson, Springfield,**
Mass. Fire arms.
- Studebaker Bros. Mfg. Co. South**
Bend, Indiana. Quartermaster's wagons and ambulances.
- Swift & Co., Union Stock Yards,**
Chicago, Ill. Commissary goods.
- Taylor Iron & Steel Co., High-**
bridge, N. J. Projectiles.
- Timkin Roller Bearing Axle Co.,**
The, St. Louis, Mo. Roller bearing axles.
- Truax (Chas.), Green & Co., 42**
Wabash Ave., Chicago, Ill. Surgical equipments.
- Union Akron Cement Co., Buffalo,**
N. Y. Cements.
- Union Metallic Cartridge Co.,**
Bridgeport, Conn. Ammunition.
- U. S. Projectile Co., 1st Ave. and**
53d St., Brooklyn, N. Y. Projectiles.
- Washburn-Crosby Co., 644 Pru-**
dential Bldg., Buffalo, N. Y. Commissary goods.
- Wilson, J. G., Olean, N. Y. Shut-**
ters.
- Winchester Repeating Arms Co.,**
New Haven, Conn. Fire arms and ammunition.

Ethnology Building.

Dr. A. L. Benedict, Supt.

NATURE OF EXHIBITS.

Archæologic Material, Pottery, Books, Paintings,
Casts, Sculptures, Busts, Indian Relics,
Articles of Dress, Stuffed Indigenous Birds, Animals, etc.

EXHIBITORS.

- Atkinson, George E.,** Portage la Prairie, Manitoba. Indigenous stuffed birds and animals of importance to the aborigines. Balcony south.
- Benedict, Dr. A. L.,** Buffalo, N. Y. Collection showing disease, injuries and anomalies of prehistoric bones. Balcony, west.
Relics of transition period from Seneca village sites. Balcony, southwest. Common types of stone implements. Balcony, east.
Double grave near Rochester. Balcony, north east.
Pan-American Mound Exploration. Ground floor, northwest.
Reproduction of village site on Lake Erie.
- Benham, J. W.,** Phoenix, Arizona. Modern Indian baskets and pottery. Balcony, west.
- Bigelow, Otis M.,** Baldwinville, N. Y. Central N. Y. collection from the watersheds of Seneca, Oneida and Oswego Rivers showing stone, bone, and copper implements. Balcony, north and west.
- Buffalo Historical Society,** Buffalo, N. Y. Indian canoe. Balcony, west.
- Buffalo Society of Natural Sciences,** Buffalo, N. Y. Chiriqui pottery, western net and basket work, Chiriqui idols and celts. Balcony, north.
- Cole, Miner T.,** Palmyra, Mich. Cache of 800 arrow-points found in Michigan. Balcony, east.
- Craig, Martha,** Toronto, Ont. Special feature map of Province of Quebec. Balcony, south.
- Dudley, Mrs. Frank A.,** Niagara Falls, N. Y., arrow-points, spear points and drills from Oregon. Balcony, east.
- Edson, Obed, Sinclairville, N. Y.** Archaeologic maps of Chautauqua Co. Balcony, north.
- Eduardo, Juan.** Peruvian Carpet, east balcony. Peruvian mummy main entrance.
- Field Columbian Museum.** (Prof. George H. Dorsey), Chicago, Ill. Ancient quarrying and manufacture of flint implements. Balcony, east.
- French Colonies.** Ground floor E.
- Freeman, Mrs. Maude Deane,** Blood reserve, Alberta. Modern Indian relics.
- Frost, Mrs. Charles Hubbard,** Buffalo, N. Y. Modern Indian basket work. Balcony, west.
- Gould, Prof. Charles Newton,** Norman, Oklahoma. Ancient quarry refuse from Kansas. Balcony, east.
- Hales, Henry, Ridgewood, N. J.** Indian relics of stone age, bone implements, Cliff Dweller pottery. Balcony, west.
- Harris, Mrs. Julia E.,** Rochester, N. Y. Prehistoric stone implements. Small room off balcony, north.
- Howard Memorial Library** (William Beer), New Orleans, La. Old maps and books. Balcony, north.
- Lake, George H.,** Lewiston, Idaho. Arrow points. Balcony, east.

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- Los Angeles Chamber of Commerce, Los Angeles, Cal.** Indian relics, pottery, baskets, etc., photographs. Small room off balcony, north.
- Morgan, R. H., Buffalo, N. Y.** Hitchcock, C. H., Hanover, N. H. Map of Economic Geology of aborigines of the U. S. Balcony, east.
- Moulthrop, Col. S. P., Rochester, N. Y.** Modern and prehistoric implements. Articles of Indian dress and ornament. Navajo, Zuni and Apache pottery. Balcony, north. Relief map of Monroe Co. Balcony, east.
- Nelson, George. Arrow points.** Gladstone, Ohio. Balcony, east.
- N. Y. State Museum (Dr. F. J. H. Merrill), Albany, N. Y.** Indian masks of modern Iroquois. Balcony, west.
- Nuttall, Mrs. Zelia, Cambridge, Mass.** Fac-simile of Hispano-Mexican MSS. book of the 16th century. Fac-simile of ancient Mexican codex being a history only partly deciphered of the reign of Montezuma. Balcony, south.
- Ontario Education Department (David Boyle), Toronto, Ont.** Prehistoric implements of stone, bone and copper. Huron-Iroquois skulls. Archaeologic map of Ontario. Model of aboriginal earth-work. Balcony, south.
- Ohio State Archaeological and Historical Society (Prof. W. C. Mills), Columbus, Ohio.** Implements, ornaments, food and mode of burial of the Mound Builders of Ohio. Maps. Ground floor, west.
- Pan-American. Exposition and Hon. W. I. Buchanan.** Samoan collection including implements of warfare and the manufacture of Saplo from fibre which is worked into articles of dress. Ground floor, north.
- Pan-American Exposition.** Seven plaques, reproducing conventional designs from Cliff Dweller pottery. Miss Claire Shuttleworth, artist. Around balcony rail. Three models of Mound Builder earth-works. Miss I. S. Chandler, artist. One large map showing linguistic stocks of America. Hangs from balcony rail, east. One map of Niagara frontier showing sites of aboriginal occupancy. One dug-out canoe. Balcony, west. Model of Indian village. Balcony, south. Landscape gardening effects—near Six Nations exhibit. Ringed tumulus. Serpent Mound. Eagle Mound.
- Peabody Institute, Cambridge, Mass.** Cast of monolith from ruins of Copan. Ground floor, east.
- Quick, Mrs. Margaret, Niagara Falls, N. Y.** Silver ornaments from Indian grave in Ohio. Balcony, west.
- Seligman, Arthur, Santa Fe, New Mexico.** Collection of antique and modern Navajo blankets. Around the wall frieze of balcony.
- Silver, D. M., Buffalo, N. Y.** Prehistoric implements and ornaments of bone and stone. Balcony, west.
- Smith, Dr. Lee H., Buffalo, N. Y.** Ancient pottery from mounds in Arkansas. Balcony, west.
- Smith, George A., Oakfield, N. Y.** Prehistoric Indian relics, model of mound at Oakfield. Small room off balcony, north.
- Snyder, Mrs. R. W., Canandaigua, N. Y.** Relics of transition period. Balcony, west.
- Starr, Prof. Frederick, University of Chicago, Chicago, Ill.** 18 portrait busts of Mexican Indians. Garments. Musical instruments (Aztec) representing life of modern Mexican Indians. Votive offerings dredged from Lake Chapala. Casts of carvings on stone. Oaxaca. Balcony, south.
- Ste. Croix de la Ronciere of Guadalupe.** Inscribed stone, stone hoes, celts and pestles. Ground floor, east.
- Thompson, A. W., Orangeville, Ohio.** Prehistoric implements, Ohio. Balcony, north and west.
- Twitcheil, Dr. H. E., Hamilton, Ohio.** Mound Builder and Indian stone age relics from Ohio. Balcony, north and west.
- University of Pennsylvania (Prof. Stewart Culin), Philadelphia, Pa.** Indian games, weapons and ornaments. Photographs. Ground floor, west and east balcony.
- U. S. National Museum, Washington, D. C.** Muniz collection of 19 prehistoric Peruvian skulls, trephined. Balcony, west. Plaster casts of stone age relics. Balcony, east.
- Ward's Natural Science Establishment, Rochester, N. Y.** Cliff Dweller Models. Racial types shown in busts. Case of skulls showing racial types. Alaskan implements and ornaments. Balcony, north.
- Washington.** Stuffed birds, animals and fish illustrating food supply of aborigines. Ground floor, north. Methods of aboriginal hunting, fishing, etc.

Wende, Dr. H. S., Tonawanda, N. Y. Archaeologic material mainly from Grand Island, N. Y. Balcony, north.

MEXICO.

Ground Floor, South.

Blake, W. W., Mexico. Old original pieces in gold, silver, stone and clay.

Garcia Cubas, Antonio, Mexico. D—F. Map of the Valley and City of Mexico in the middle of the XVI century.

Map of the lands discovered and conquered in the Republic by the Spaniards during the XVI Century.

Penafiel, Dr. Antonio, Mexico. D. F. Historical book "Teotihuacan." Tarasco language. Mexican language. Rincon. Zapoteca grammar. Huasteca grammar. Alphabets of the Aztec language. An astronomic and conic stone. A calendar's relief. Aztec date. Cosmogonical relief. A date of the Aztec calendar.

Mayas' reliefs:

Cosmogonic reliefs of a cubic stone found in the basement of the "Centro Mercantil" in the corner of Main Square. Reliefs of a stone recently found in the drainage excavations in Escalerillas St., City of Mexico.

Reliefs of a large monolith also found in the basement of "Centro Mercantil" in Main Square.

Decorative reliefs of a large stone vase of the National Museum.

Relief of a typical Aztec Goddess.

Cuauxicalli, cylindrical stone of the National Museum.

Conic astronomical stone.

Date of the "Teponaxtle Misteco" modeled in staff.

Reliefs of a cosmogonic stone.

Relief of a stone called "Nahuiloli."

Relief of a calendar.

Relief of a mythological tecpatl.

Decorative reliefs of a large stone vase of the National Museum.

Aztec date.

Cosmogonic relief.

A date from Aztec calendar.

Hieroglyphic of the Goddess Chicomecuatl.

Relief of another form of Nahuiloli.

Reliefs of an Oceloti and Cuauhtli.

Mythological Aztec relief.

Date of the foundation of the "Templo Mayor."

Relief of the Tzontemec.

Relief found in the monolith of the Goddess Miquiztli, in the excavations at Escalerillas St., City of Mexico.

Aztec Goddess with womanly dress. Date of a calendar on a cylindrical stone.

Relief of a stone of Palenque found lately. It contains calcareous hieroglyphics.

Sandoval Rosendo, Professor, Mexico, D. F.

One reproduction in plaster of a vase of obsidian stone.

Five old original pieces in clay.

Secretaria de Fomento, Colonizacion e Industria, Mexico, D. F. Decorative models of the ruins of Teotihuacan.

Twenty-five reproductions of decorated vases.

Four Aztec decorated plates.

Two water colors of the vases found on the Escalerillas St.

Three water colors Aztec pictures.

Two water colors of the Teotihuacan frescoes.

Three Teponaxtles.

Nineteen panoplies and trophies.

Codice Borbonico.

Codice Fernandez Leal.

Codice Mixteco.

Geographical names of Mexico.

Fabulas de Esopo in Mexican language.

History of the Province of Santiago de Mexico.

History of the Province of Santo Domingo.

Congress of Americanistas.

Arqueological Catalogue.

A carpet with Arqueological phototypes.

Monuments of the Old Mexican Art.

Antiquaries of the Colombbian Commission.

Mexican Building.

Secretaria de Fomento, Colonizacion e Industria. Collection of cotton, clay and woolen articles of ancient and modern Indian art.

Two Cinerary decorated vases.

Three reproductions of cinerary urns.

Two large funeral vases found in Escalerillas St.

Archaeologic Books in West Balcony Library.

Aboriginal Occupation of N. Y.
William T. Beauchamp.

American Philosophical Society
exhibit the following: Fundamental Laws and Regulations, Charter and Laws (1898). List of Members (January, 1900), Signers of Membership Roll (June 10, 1896).

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- Antiquities of Tennessee.** Gen. Gates P. Thurston.
- Archaeological Report, Ontario, 1890-1898** (2 Vols.)—1899 (3 Vols.).
- Bureau of Ethnology Reports—20 Vols.** from 1879 to 1897.
- Catalogue Prehistoric Works East of Rocky Mountains.** O. Thomas.
- Centennial Celebration of N. Y. State.**
- Documentary History of New York.**
- Estate of Dr. Daniel G. Brinton** exhibit the following: The Floridian Peninsula, Annals of the Cakchiquels, the Religious Sentiment, Ancient Nahuatl Poetry, American Hero Myths, Rig Veda or Sacred Chants of the Ancient Mexicans, the Inchoats Book of Rites, Comedy Ballet of Gueguence, Essays of an Americanist, a Migration Legend of the Creeks, the American Race, the Lenape and their Legends, Studies in S. American Languages, Nagualism, Primer of Mayan Hieroglyphics, Linguistic Cartography of Chaco Region.
- Ft. Ancient, Ohio.** W. K. Moorehead.
- Guatemala.** Bureau of American Republics.
- Harriot's Description of the Indians of Virginia.** By Debyr, 1590.
- Historic Blennerhassett Island Home.** Alvan F. Gibbons.
- History of Florida from 1512 to 1722—Madrid, 1723.** Howard Memorial Library, New Orleans, La.
- Howard Memorial Library, New Orleans, La.** Exhibit the following: Harriot's description of the Indians of Virginia by Derby 1590. History of Florida from 1512-1522, Madrid, 1723.
- International Folk-Lore Assoc.** exhibit the following: Tales from the Totems of the Hidery, collected by Deans; History of the Devil and the Idea of Evil, Paul Carus, Ph. D.; Int. Folk-Lore Congress of World's Columbian Exposition. Editors, Helen Wheeler Bassett and Frederick Starr.
- Jesuit Relations and Allied Documents.** Washington Pioneer Assoc., R. G. Thwaites, editor. Exhibited by Burrows Bros., Cleveland, O.
- Man and the Glacial Period.** Prof. G. Frederick Wright, Oberlin, O.
- Monographia Historica Americana Onanne,** Lima, Peru.
- Ohio Archaeological and Historical Society Publications—8 Vols.**
- Prehistoric Implements.** W. K. Moorehead.
- Primitive Man in Ohio.** W. K. Moorehead.
- Queen of the Woods.** Chief Pokagon.
- Reports of Exploration in Alaska.** Edwin F. Glenn, W. R. Abercrombie.
- Smithsonian Reports—20 Vols.** from 1884 to 1897.

Pamphlets.

- Address by Frederick Ward Putnam,** Peabody Museum.
- American Antiquarian.** Stephen D. Peet, editor.
- An Ancient Quarry in Indian Territory,** W. H. Holmes.
- Ancient American Calendar Stone.** Mrs. Zella Nuttall.
- Antiquarian Society of Montreal.** Exhibition of old MSS., etc., St. Mary's College.
- Archaeology of New England.** Prof. G. H. Perkins.
- Catalogue of Canadian Portraits** and other objects relating to Canadian Archaeology.
- Catalogue of the Chateau Ramezay Museum.**
- Catalogue of rare and choice books** relating to America.
- Catalogue of Relief Maps, Models of Cliff Houses, Mounds, etc.** Ward's Natural Science Establishment.
- Caverns of Copan, Honduras—1896-97.** By G. B. Gordon.
- Contributions from the U. S. National Herbarium.** I. N. Rose.
- Contributions from the U. S. National Herbarium.** Frederick V. Conille.
- Distribution of Stone Implements.** W. H. Holmes.
- Flaked Stone Implements.** W. H. Holmes.
- Fundamental Principles of Old and New World Civilization.** Zella Nuttall.
- Guide to Peabody University,** the Peabody Museum of American Archaeology and Ethnology, Cambridge.
- Hochelagans and Mohawks.** W. D. Lightall.
- Le Perou a L'exposition de 1900.**
- Memories of the American Museum of Natural History.** Harlan J. Smith.
- Monumental Records,** Rev Henry Mason Baum.

Mound Exploration for the Pan-American Exposition. A. L. Benedict.
Museum Associations of the United Kingdom, Harlan J. Smith.
National Academy of Sciences. Vol. 3, Vol. 6.
Omaha Indian Music. Alice C. Fletcher.
Pamphlets on the Nampa Image. Prof. G. Frederick Wright, Oberlin, O.
Peabody Museum Reports—Vols. 1, 2, 3, 1863-75-76-79-80-86.
Peabody Museum Reports—21st, 22d, 23d and 24th.
Pile Structures in Naaman's Creek, Delaware. By Hilborne T. Cusson, A. M.
Prehistoric Burial Place in Maine, Chas. C. Willoughby, Peabody Museum.
Prehistoric Ruins of Copan, Honduras, 1891-95.
Report of Field Work. Prof. William C. Mills.
Report of Field Work. W. K. Moorehead.
Researches in the Uloa Valley, Honduras.
Standard or Head Dress. Zelia Nuttall.
Stone Monuments in N. W. Iowa and S. W. Minnesota.
Stone Monuments in Southern Dakota.
Story of Niagara. C. H. Hitchcock.
Symbolism in Ancient American Art. F. W. Putnam & C. C. Willoughby.
The Atlatl or Spear Thrower of the Ancient Mexicans, Peabody Museum. Zelia Nuttall.
The Karankawa Indians. Albert S. Gatschel.
The La Plata Museum. R. Lydekker.
Transactions of the Oneida Historical Society, No. 3.

ART GALLERY.

The following by Eric Pape, Artist, Boston, Mass.:

- 1—From the Aztecs Cuauhtemotzin saw them enter the city. Monotone black and white oil color.
- 2—Cuauhtemotzin, the fortunate hero, standing so calmly before them. Black and white oil color.

- 3—Not without a certain picturesqueness as they crossed the torrent. Charcoal drawing.
- 4—The Indian looked gloomily into the water. Gouache and monotone color drawing.
- 5—At a palace near the edge of the city the escort halted. Gouache and monotone color drawing.
- 6—The Princess Tula and Nenetzin with the scroll. Pastel.
- 7—Alvarado and the page. "Over the bridges the horsemen galloped." Gouache and monotone color drawing.
- 8—A mist, not of the lake, rose and hid them from Cuauhtemotzin's view. Charcoal drawing.
- 9—Upon the advance of the captains Io stepped in front of the king. Gouache drawing.
- 10—Tula gave Cuauhtemotzin the signal by removing the scarf. Gouache and monotone color drawing.
- 11—A Spanish messenger, "Staggering as he ran, and shouting." Wash drawing.
- 12—Each met the other's gaze. Monotint black and white oil color.
- 13—Craftsmen entertained and frightened each other with stories. Charcoal drawing.
- 14—Moctezuma (struck by a stone) fell, covered by the Spanish shields. Gouache and monotint color drawing.
- 15—On the Temple Tower. "For love of woman, stay!" shouted the priest. Gouache drawing.
- 16—"In a hammock that swung to and fro." Monotone black and white oil color.
- 17—Cortes drew rein only at the foot of the barricade. Gouache and monotint color drawing.
- 18—"Beware, O king, the ears of the God are open." Moctezuma before the altar and statue of the great God of War. Pastel in three colors.
- 19—The Child of the Temple. Gouache and monotint color drawing.
- 20—Itz'itl staggered under the tremendous blow. Wash drawing.
- 21—Daughter of the lake, Fair Tenochtitlan, the city of temples and of the Aztecs. Oil color.
- 22—"Bring thy bones here, Father," said Cortes. Gouache drawing.
- 23—Moctezuma studied the Cacique's face. Gouache and monotint color drawing.

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- 24—Like the night, the lake was calm. Pen and wash drawing.
- 25—The white wings on her breast. Gouache and monochrome color drawing.
- 26—The tambour in the Temple sounded the signal. Pencil drawing.
- 27—"Did you imagine she would learn to love him?" Gouache and monochrome color drawing.
- 28—"A clang of sandaled feet." Black and white oil color.
- 29—Indian slave of the Princess Nenetzin. Gouache drawing.
- 30—"Your love was dearer to me than the crown." On the Royal floating garden. Gouache and monochrome color drawing.
- 31—Hugging their arms on their treasure, marched in dogged silence. Gouache drawing.
- 32—Tula drew the curtain quickly. Gouache and sepia drawing.
- 33—The Spaniards entering Tenochtitlan by the great causeway. "Out of the way, dog!" shouted Sandoval. Gouache and monochrome color drawing.
- 34—He raised her gently and carried her through the entrance. Gouache and monochrome color drawing.
- 35—Embossed book cover for the "Edition de Luxe" of The Fair God, by Lew Wallace, illustrated and decorated by Eric Pape.
- 36—Aztec atlatis and arrow. The atlatis was used for throwing arrows. Pen drawing.
- 37—Stone Mask from Copan. Pen drawing.
- 38—Statue in stone of Xochiquetzal, from Iztapan. Pen drawing.
- 39—Young Indian girl from Coatepec, Mexico. Aztec manner of wearing the poppy. Pen drawing.
- 40—A view of the fresh waters of Lake Chalco. Pen drawing.
- 41—Design after the famous bas-relief from the ruins of Palenque, Yucatan. Pen drawing.
- 42—An Aztec bridge and hut. Pen drawing.
- 43—A flower much used by the Aztecs for decoration. Pen drawing.
- 44—Calabash enclosed within a rope sack; a grass mat (rolled), and water gourd. Pen drawing.
- 45—Aztec stone necklace with head cut in fine hard stone. Pen drawing.
- 46—Hualpa, the Tehuacan—the friend of Cuauhtemotzin. Pen drawing.
- 47—Aztec warrior drawing the bow. Pen drawing.
- 48—Stone mask from Copan. Pen drawing.
- 49—The God of Hell. A monolith in the National Museum, Mexico City. The bottom of a large urn, into which were thrown the hearts of victims of the sacrificial stone. Pen drawing.
- 50—Polychrome vase from the Valley of Mexico. Pen drawing.
- 51—Stone urn used in temples for the sacrificial fires before the altars. From the Valley of Mexico. Pen drawing.
- 52—Terra-cotta vase of fine workmanship, now in the National Mexican Museum. Pen drawing.
- 53—The fires of the (Teocalli) temples glowing at evening. Pen drawing.
- 54—Spanish knight in armor. Pen drawing.
- 55—Aztec dancing girl (with wooden drum) decorated with the poppy flower. Pen drawing.
- 56—Aztec with the maquahuftl, the deadliest weapon used by the ancient Mexicans. Pen drawing.
- 57—Toltec Water God. Pen drawing.
- 58—Terra-cotta urn used for sacred fires in the temples of the ancient Mexicans. Pen drawing.
- 59—Aztec bas-relief cut in stone. Pen drawing.
- 60—Indian belt and pouches. Pen drawing.
- 61—The Aztec maquahuftl and Toltec battle clubs and spear. Pen drawing.
- 62—Spanish cross-bow with crank, such as was used by the soldiers of Cortes. Pen drawing.
- 63—Aztec flute and belt. Pen drawing.
- 64—Spear decorated with feathers. Pen drawing.
- 65—Aztec maiden of Moctezuma's household. Pen drawing.
- 66—Cholullan chief and bodyguard. Pen drawing.
- 67—Aztec teocallil temple. Pen drawing.
- 68—Spanish knight ready for battle. Pen drawing.
- 69—Terra-cotta plates from the Valley of Mexico, the second one with handle, being used in human sacrifice. Pen drawing.
- 70—Statue cut in stone, called "The Sad Indian," now in National Museum, Mexico City. Pen drawing.

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- 71—The Aztec chieftain's plumes and ornamental staff. Pen drawing.
- 72—Bust of an ancient deity cut in soft white stone. Pen drawing.
- 73—View of an ancient city in Anahuac before the conquest, showing temples in the distance. Pen drawing.
- 74—The great cactus from which the Aztec drew pulque, their favorite beverage. The step pyramid of Cholullan in the distance. Pen drawing.
- 75—An Aztec's scribe's outfit. Pen drawing.
- 76—Aztec canoes and dug-outs. Pen drawing.
- 77—Spanish breast-plate and helmet, battle-axes and double-handed sword. Pen drawing.
- 78—Mounted Spanish knight, of the time of the Conquest of Mexico. Pen drawing.
- 79—Spanish cross-bow, time of the Conquest of Mexico. Pen drawing.
- 80—Royal Aztec palace and gardens. Pen drawing.
- 81—Father Olmedo, one of the priests with Cortes in the Conquest of Mexico. Pen drawing.
- 82—Indian girl from Xalapa, Mexico. Pen drawing.
- 83—A flower much used by the Aztecs for decoration. Pen drawing.
- 84—Spanish flint-lock pistol, embossed shield, broadsword and battle-axe. Pen drawing.
- 85—The Ancient Viga Canal, Mexico. Showing an Aztec in a dug-out. Pen drawing.
- 86—Mualox, the paba, before the sacred fire in the Cu of Quetzalcoatl. Pen drawing.
- 87—Cuauhtemotzin and Hualpa. Cuauhtemotzin inherited a great fortune, ducal rank and an estate near Iztapalapan. Pen drawing.
- 88—Ruins of an ancient palace. Pen drawing.
- 89—An Indian of Mexico, with water jugs. Pen drawing.
The following six monotone water-color paintings illustrate "The Incas," a poem by Telford Groesbeck. Eric Pape, artist.
- 90—"They hear the Thunder's voice,
see Lightning dart away
To break the East wind's vase ere
the approach of Day;
They see volcanoes puff to raise
their plumes still higher,
Then boldly kiss the cheek of Morn
with lips of fire."
- 91—"Aellahuasi where
The royal virgins dwell,—perchance
embroid'ring there
Sweet dreams of love for him,
whilst watching sacred fires."
- 92—"The twenty eyes of gold with
those in Punchau's face,
Gaze down through aisles of priests
to where with outstretched
hands,
The living Inca Lord, proud Huay-
na Capac, stands."
- 93—"Note these in puna fur,
Their heads within the skulls. How
now they growl and purr,
As feline strides they take round
those in skins of deer
All crowned with antlers old, they
shout with glee at fear."
- 94—"The graceful forms, half nude,
with lovers interlaced,
The newly-mated souls in tender-
ness embraced."
- 95—The temple of the Sun.
- 96—The moose hunt. Geo. De Forest Brush, Scarborough, N. J.
- 97—98—99—100—101—Five color drawings illustrating Geo. Bird Grinnell's "Chinook Indians' Folk-Lore," Tale entitled "Punishment of the Stingy." E. W. Deming, 21 W. 24th St., New York.
- 102—"Hlawatha's Vision." J. W. L. Forster, 24 King St., Toronto, Ont.
- 103—An Indian Hunter.
- 104—Squaw making bark work.
- 105—Man's head.
- 106—Boy's head.
Mrs. Ainslie Hime, Deer Park, Ont.
- 107—Modern Indian from Cattaraugus Reservation.
- 108—Composite type: Indian part negro. Josephine Lewis, Buffalo, N. Y.
- 109—Indian portrait. Costume of Northwest. Owner, Archaeological Museum of Ontario. T. Mower Martin, artist.
- 110—Water color portrait of celebrated "Crowfoot." Owner, Archaeological Museum of Ontario. M. J. Hemsted, artist.
- 111—Portrait of Indian Woman. Owner, Archaeological Museum of Ontario. W. S. Sherwood, artist.
- 112—Portrait of Pere Marquette, the discoverer of the Mississippi, great missionary among the Indians. This is a copy of the only existing portrait of Marquette, discovered three

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years ago in Montreal. Owner, Archaeological Museum of Ontario. Donald G. McNab, artist.

The following very rare lithographs of Indian life are by Catlin. Owner, Archaeological Museum of Ontario:

- 113—Osage warrior, Iroquois chief and Pawnee woman.
- 114—Indian lacrosse players.
- 115—Grizzly bear hunt.
- 116—Sioux Indian perils.
- 117—Bear dance.
- 118—Snowshoe dance.
- 119—A surround-buffalo hunt.
- 120—Mandau game of the arrow.
- 121—Sioux lacrosse game.
- 122—Lassoing the wild horse.
- 123—Choctaw lacrosse dance.
- 124a—Buffalo hunt, summer.
- 124b—Buffalo hunt, winter.
- 125—"Listening for the war cry." Indian chief. Miss Emily Peck, Anderson Bldg., Buffalo.
- 126—Sunset and Moonrise. The Great Chief or Ruling Spirit of the Columbia.
- 127—Indian salmon fishing camp on the Columbia River, Oregon.
- 128—Grey Day, a bit of Indian town, Sitka, Alaska.
- 129—A general view of Indian town, Sitka, Alaska.
- 130—Mt. St. Elias from Yakutat, Alaska.
- 131—Beginning of the sunset glow, Mel-takhtia, Alaska.
- 132—A bit of Indian town, Loring, Alaska.
- 133—Evening. Alaska and British Columbia Indians camped on a sand pit, near Port Townsend, Washington.
- 134—Esquimaux fishing and hunting camp, on an island near Cook's Inlet, Alaska.
- 134a—Makah Indian Reservation.
- 134b—Front view of Indian town, Sitka, Alaska.
Artist J. E. Stewart, Chicago, Ill.:
- 135—Indian camp near Hop Fields at Puyallup, Wash. Malte L. Stierngranat, Chicago, Ill.

The following fifty-five paintings by J. H. Sharp, 118 East Fourth St., Cincinnati, O.:

CHEYENNES.

- 136—Two Moons, head chief of the Cheyennes and prominent in Custer battle.
- 137—Chief Little Wolf, considered the greatest fighter and general of all the Indians.
- 138—Little Wolf, nephew of above, and prominent man of the tribe.
- 139—Little Chief, a noted fighting chief and oldest of the tribe.
- 140—Elkhorn.
- 141—Grasshopper.
- 142—Coyote that Howls.
- 143—Black Ree.
- 144—Chief American Horse. Prominent chief who has prevented many battles and uprisings by wise counsel.
- 145—Bull Bear, Southern Cheyenne educated at Carlisle.
- 146—Rising Fire.
- 147—Medicine Shell.

SIOUX.

- 148—Chief Flat Iron, raised with, and great friend of Sitting Bull. Profile head.
- 149—Chief Flat Iron, figure smoking.
- 150—Chief Rocky Bear. A great warrior and man of much honor and dignity.
- 151—Chief Spotted Elk.
- 152—Hand, noted scout in battle of Wounded Knee and others.
- 153—Walks the Country, small profile.
- 154—Walks the Country, full face.
- 155—Last Woman, typical Sioux squaw.
- 156—Red Copper, dress decorated with elk teeth and valued at \$400.
- 157—Yellow Owl, leader of the Omaha dance; favorite dance of the Sioux.
- 158—Interior of Crow tepee.
- 159—Cheyenne tepee camp.
- 160—Crow tepee camp.
- 161—Cheyenne tepee camp.
- 162—Chief Blue Horse, a big chief and man of much influence many years ago. (Sioux.)

APACHE.

- 163—Old Apache squaw, over 100 years old.

PUEBLOS OF NEW MEXICO.

- 164—Pushing Bull.
- 165—John Mirabelle ("John of Taos").
- 166—Study of Figure.
- 167—Summer Rain.
- 168—Standing Deer.

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- 169—Soaring Eagle.
- 170—Corn Star.
- 171—Young Grass.
- 172—Soaring Eagle, Jr.
- 173—Ex-Governor of Taos.
- 174—Pueblo of Taos.
- 175—Juramata.
- 176—Pueblo.
- 177—Pueblo, Alonzo.
- 178—Pueblo from Tesuque.
- 179—Pueblo.
- 180—Evening Chant.
- 181—Grave in cottonwood tree.
- 182—Yellow Hawk.
- 183—Pueblo of New Mexico.

CROWS.

- 184—Grave on scaffold.
- 185—Squaw mourning on grave.
- 186—Old grave, Crow Reservation.
- 187—Crow agency, police tepee.
- 188—Flora Halry Wolf.
- 189—Takes a Wrinkle, noted Crow orator.
- 190—Chief Carney, chief of Big Horn Crows.
- 191—Crow Medicine Man.
- 192—Medicine Breath.

The following ten paintings of racial types by Hubert, No. 70, Carnegie Hall, New York.:

- 193—Hawaiian fisher boy.
- 194—Kolmona, Hawaiian minstrel.
- 195—Study of Hawaiian fish.

- 196—Ekekela, Hawaiian flower girl.
- 197—Composite type, sons of mandarins (Chinese).
- 198—Composite type, woman of higher class (Chinese).
- 199—Sioux Indian Chief in buffalo robes.
- 200—British Gulana Indian.
- 201—Chippewa Indian.
- 202—Sioux Indian in war dress.

Pencil sketch of Indian girls, Penobscot, Maine:

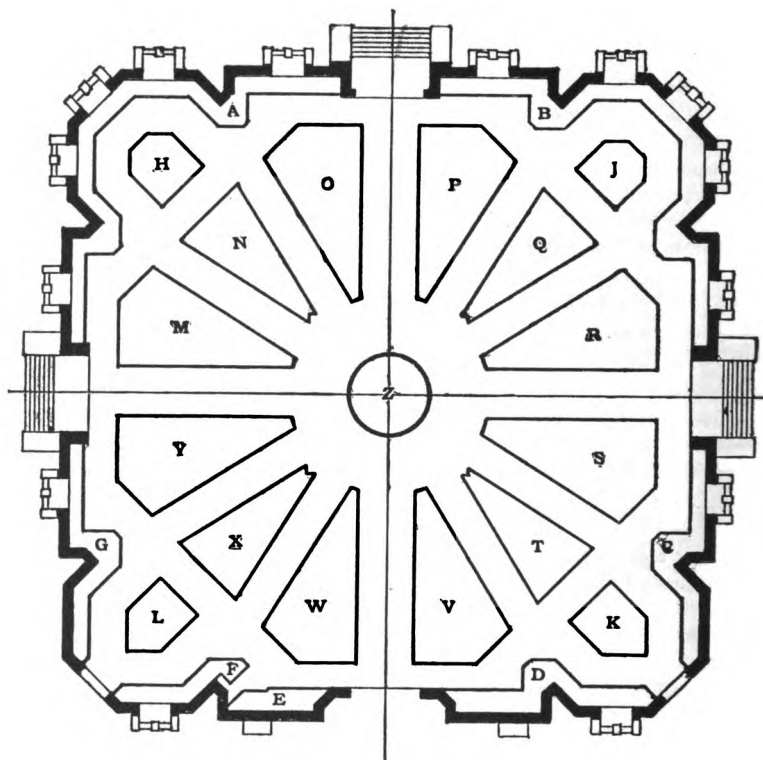
- 203—Bazz-Aquah (Golden Rod), full blood type.
- 204—Falling Star, one-quarter French-Canadian.
- 205—Wam-ta-Wago (Bright Star), mixed type.
- 206—Nee-Bana (Northern Lights), French half-breed.
Artist Francis West, Boston, Mass.

- 207—Against fate. Chas. I. Springer, Providence, R. I.

- 208—Ojibaway Indians, Lake Superior.
- 209—The portage.
- 210—Sioux camp.
- 211—Beech trees.
- 212—Sioux chief, "Big Bear."
- 213—Ojibaway belle.

Artist, F. A. Verner, 39 Palace Terrace, Fulham, London, Eng.

Most of these paintings are for sale, to be delivered at close of the Exposition. For particulars inquire at Curator's desk.



AGRICULTURE BUILDING.

Horticulture Building.

Frederic W. Taylor, Supt.

KEY TO INSTALLATION.

The ground floor plan of this building (see opposite page) is divided into sections, which are indicated by the letters A to Z. Each exhibit is located by referring to the lettered space.

EXHIBITORS.

Arkansas—O.
California—H, N, O & A. (Los Angeles).
California—P, Q, J & B (San Francisco).
Connecticut—I.
Delaware—I.
Florida—Y.
Idaho—R.
Illinois—V.
Indiana—M.
Maine—B.
Michigan—T.
Missouri—R.
Nebraska—D.
New York—W, X & L.
Oregon—S.
Virginia—C.
Washington—A.
Wisconsin—S.
American Ginseng Co., Rose Hill, N. Y.
Fleischman, Joseph, New York, N. Y. Conservatories.
Hammond, Benjamin, Fishkill-on-Hudson, N. Y.
Henderson & Co., Peter, New York, N. Y.
Hicks & Son, Isaac, Westbury Station, N. Y.
Krick, W. C., 1287 Broadway, Brooklyn, N. Y.
Miller, George, Bristol Springs, N. Y.

FOREIGN COUNTRIES EXHIBITS.

Costa Rica—F.
Guatemala—B.
Jamaica—A.
Mexico—K, C & D.
Nicaragua—Y.
Ontario—M.

WINE EXHIBITS.

Germania Wine Co., Hammondsport, N. Y.—G.
Gleason Fruit Juice Co., Westfield, N. Y.—Y
Hommel, M., Wine Co., Sandusky, Ohio.—J
Urbana Wine Co., Urbana, N. Y.—C.
Wines and brandies. Gold Seal Champagne, made after the French method of fermentation in the bottle. We solicit comparison with any champagne made.—C.

COLLECTIVE EXHIBITS.

Located in North Conservatory.

Balbiani Bros. & Co., Buenos Ayres, Arg. Rep. Cordials and bitters, Barrá.
Balbiani Bros. & Co., Buenos Ayres, Arg. Rep. Cordials and bitters, Bitter.
Balbiani Bros. & Co., Buenos Ayres, Arg. Rep. Cordials and bitters, Fernet.
Balbiani Bros. & Co., Buenos Ayres, Arg. Rep. Cordials and bitters, Vermouth.

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Cafetal Carlota Company, Coun-
selman Bldg., Chicago. Coffee, green
and roasted.

D'Aubigny & Co., Port au Prince,
Hayti. Soap.

Lessner, Romer & Baasch, Messrs.,
care of Bothfeld & Weygant, 78-80
Broad St., New York. Cocoa beans.

Molinari, Pio J., Buenos Aires,
Argentine Rep. Aperitivo Molinari,
mineral water.

Palermo, Cervecería, Buenos
Ayres, Argentine Rep. Salvator beer.

Palermo, Cervecería, Buenos
Ayres, Arg. Rep. Victoria beer.

Price Flavoring Extracts, Chicago, Ill.
Vanilla vines and products.

Riise, A. H., St. Thomas, Danish
W. I. Bay oil.

Riise, A. H., St. Thomas, Danish
W. I. Bay rum.

Riise, A. H., St. Thomas, Danish
W. I. Florida water.

Shepard, Dr. Charles U., Summer-
ville, S. C. Tea plants and products.

Johnson, Dr., Mansfield.
Plant, A. E., Branford.
Savage, C. H., Storrs.
Warner, E. C., Fairhaven.

Apples exhibited by

Aborn, W. J., Rockville.
Allen C., Terryville.
Andrews, J. E., New Britain.
Conn. Agl. College, Storrs.
Conn. Pomol. Society.
Cook, S. G., Branford.
Fenn, Dennis, Milford.
Griswold, S. A., West Hartford.
Hall, G. D., Wallingford.
Hough, J. R., Wallingford.
Manchester, E., Bristol.
Merriman, S. H., New Britain.
Molumphry, J. T., Berlin.
Roberts, S. W., Middletown.
Stocking, M., Simsbury.

ILLINOIS.

Exhibit of Apples.

Aldrich, H. A., Neoga, Ill.
Bryant, A., Princeton, Ill.
Bryant, L. R., Princeton, Ill.
Calhoun Co. Hort. Society, Har-
din, Ill.
Dunlap, H. M., Savoy, Ill.
Hinckley, A. A., Du Bois, Ill.
Husband, Jas., Leanderville, Ill.
Kimery, J. T., Neoga, Ill.
La Rush, S. D., Pekin, Ill.
Perrine & Son, Centralia, Ill.
Powers, John, Tiskilwa, Ill.
Sonerhill, S. G., Tiskilwa, Ill.
Stiles, W. J., Sandoval, Ill.
Stone & Son, J. A., Springfield, Ill.
Voris, F. D., Neoga, Ill.
Winn, C. G., Griggsville, Ill.
Young, W. A., Butler, Ill.
Zeigler, W. J., Clinton.

Currants exhibited by

Conn. Agl. College, Storrs.

Cherries exhibited by

Fish, George, Mansfield.

DELAWARE.

Exhibit of fruits in season.

Mosley, W. S., Dover, Del.
Myer & Son, Bridgeville, Del.
Slaymaker & Son, Camden, Del.
Soper, F. M., Magnolia, Del.
Todd, W. S., Greenwood, Del.

MICHIGAN.

Exhibit of fruits in season.

Baldwin, W. L., Palmyra.
Dunkley & Co., Kalamazoo.
Gaylord, F., Adrian.
Mich. Experiment Station.
Moore, Wm. H., Palmyra.
Pender, D. U., Adrian.

CONNECTICUT.

Strawberries exhibited by

Eddy, J. C., Simsbury.
Farnham, A., New Haven.

CALIFORNIA.

- Adams, C. T., Newcastle, Cal. Preserved peaches.
- Armbrust, Henry, Stockton, Cal. Wines.
- Arnsby & Company, J. K., San Francisco, Cal. Dried fruits.
- Bartlett Springs Co., San Francisco, Cal. Bartlett mineral water.
- Barton Estate, Fresno, Cal. Wines.
- California Fruit Canners' Association, San Francisco, Cal. Palace of canned fruits.
- California State Board of Trade, San Francisco, Cal. Fruits, seeds, cereals, etc.
- Cal. Wine Association, San Francisco, Cal. Wines.
- Carlson-Currier Co., Petaluma, Cal. Raw and manufactured silk.
- Castle Bros. Company, Fresno, Cal. Dried fruits.
- Cfitchner, Madam, San Francisco, Cal. Orange marmalade.
- Chaix & Bernhard, San Francisco, Cal. Wines.
- Cooper, Elwood, Santa Barbara, Cal. Olive oil.
- Cunningham, J. J., Biggs, Cal. Hemp and flax products.
- Del Monte Milling Co., San Francisco, Cal. Cereal products.
- Donovan, C. C., Santa Rosa, Cal. Sonoma Valley hops.
- Doty, J. M., Livermore, Cal. Olive oil.
- Eagle Storage and Packing Company, Fresno, Cal. Dried fruits, raisins.
- Ehman Olive Company, Oroville, Cal. Olive oil, pickled ripe olives.
- Eisen Vineyard Co., Fresno, Cal. Wines.
- Fresno Chamber of Commerce, Fresno, Cal. Fruits in solution, dried fruits, grains.
- Fresno Home Packing Company, Fresno, Cal. Seeded raisins.
- Flexible Mantle Co., Stockton, Cal. Lamp mantles.
- Giannini, Frank, Reedley, Cal. Olive oil.
- Golden Gate Packing Co., San Jose, Cal. Canned goods.
- Goodrich, E., San Jose, Cal. Dried ripe olives.
- Gower, E., Fowler, Cal. Olive oil.
- Gray John C., Oroville, Cal. Olive oil.
- Griffin & Skelly Company, San Francisco, Cal. Seeded raisins.
- Gugenheim & Company, San Francisco, Cal. Assorted dried fruits.
- Gundlach-Bundschu Co., San Francisco, Cal. Wines.
- Hammond, T. J., Fresno, Cal. Figs.
- Harns, W. H., Fresno, Cal. Photographs.
- Hersey, Philo, San Jose, Cal. Orchard photographs.
- Higgins, E. R., Fresno, Cal. Photographs.
- Hill, Thos., San Francisco, Cal. Scenic painting.
- Holt Bros., Stockton, Cal. Combined harvester.
- Humboldt Milling Co., Fortuna, Cal. Redwood doors.
- I. X. L. Packing Company, San Francisco, Cal. Tamales, soups, etc.
- Imperial Prune Orchard, San Jose, Cal. Imperial prunes.
- Inderrieden Co., J. B., Fresno, Cal. Dried fruits.
- Italian-Swiss Colony, Asti, Cal. Wines.
- Jackson, J. P., San Francisco, Cal. Napa soda mineral water.
- Keyes, W. S., Angwin, Cal. Wines.
- Kline, P., San Francisco, Cal. Wines.
- Ladies Silk Society, San Francisco, Cal. Hand-made silk flag.
- La Motte, V. T., Sonoma, Cal. Persimmons in solution.
- Mann, C. M., San Francisco, Cal. Wines and brandies.
- Martinelli, S., Watsonville, Cal. Apple cider.
- Masson, Paul, San Jose, Cal. Champagne.
- Maxwell & Mudge, Fresno, Cal. Photographs.
- May, Jude, Auburn, Cal. Oranges in jars.
- Melco, G. M., Stockton, Cal. Buhac.
- McCord Sisters, Monterey, Cal. Pressed wild flowers.
- McCubbin, J. B., Selma, Cal. Honey.
- Minnewawa Home Packing Company, Fresno, Cal. Fruits, Preserves, etc.
- Mission Woolen Mills, San Francisco, Cal. Woolen fabrics.
- Moore & Son, H. H., Stockton, Cal. Olive oil.
- Mt. Shasta Mineral Springs Co., San Francisco, Cal. Shasta mineral water.

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- Nadweys, P.,** Flaming Mills, Fresno, Cal. Plank.
- Pacific Tannery,** Stockton, Cal. Leather.
- Repsold & Company, A.,** San Francisco, Cal. Wines and brandies.
- Roeding, George C.,** Fresno, Cal. Olives, figs, plants.
- San Luis Obispo Board of Trade,** San Luis Obispo, Cal. Seeds, cereals.
- Sanger Lumber Co.,** Sanger, Cal. Lumber.
- Santa Clara Fruit Exchange,** Santa Clara, Cal. Dried fruits.
- Scott & Van Arsdale,** San Francisco, Cal. Woods.
- Sekleman, A. G.,** Fresno, Cal. Silk cocoons.
- Southern Pacific Company,** San Francisco, Cal. Fruits in jars, wood, scenic paintings, photographs, globe.
- Sperry Flour Co.,** Stockton, Cal. Cereal and cereal products.
- St. George Vineyard,** Fresno, Cal. Wines.
- Stockton Chamber of Commerce,** Stockton, Cal. Dried fruits, cereals, photographs, pottery and clay.
- Stockton Chicory Co.,** Stockton, Cal. Chicory.
- Stockton Incubator Co.,** Stockton, Cal. Incubator.
- Stockton Woolen Mills,** Stockton, Cal. Blankets and woolen fabrics.
- Thomas, I. H.,** Visalia, Cal. Preserved peaches.
- Tielman, J. S.,** Fresno, Cal. Big tree bark.
- West & Son, Geo.,** Stockton, Cal. Wines and brandies.
- Western Sugar Refining Co.,** San Francisco, Cal. Assorted sugars.
- Wetmore-Bowen Company,** San Francisco, Cal. Wines.
- Bachelor, G. H.,** Fruitland, Cal. Brown smyrna figs, in liquid.
- Banning Company,** Los Angeles, Cal. Game and food fish made in casts, caught in Catalina Bay.
- Board of Trade, Pomona, Cal.** Navel oranges in liquid, lemons in liquid.
- Boetcher, H.,** Los Angeles, Cal. Chestnuts.
- Bonita Orchard Company** Fairmont, Cal. Four varieties of almonds.
- Brandt & Company, C. C.,** San Diego, Cal. Lemon juice.
- Bishop & Company,** Los Angeles, Cal. Glace fruits, glace stuffed prunes.
- Bishop & Company,** Los Angeles, Cal. Preserves, jams, jellies, spiced figs, orangeate, grapefruitate, maraschino cherries.
- Cary-Smith, Louise,** Pomona, Cal. Sterilized grape juice.
- California Conserving Co.** Long Beach, Cal. Canned lobsters, clam juice, clam chowder.
- California Fish Company,** Los Angeles, Cal. Sardines, broiled mackerel, in tins.
- Chamber of Commerce,** Los Angeles, Cal. Ornamental dried fruits.
- Chamber of Commerce,** Los Angeles, Cal. General display of stone fruits in liquid.
- Chamber of Commerce,** Los Angeles, Cal. Wax fruit models.
- Chamber of Commerce,** Los Angeles, Cal. Silk cocoons, silk cocoon portier, artistic installation Los Angeles County exhibit.
- Chamber of Commerce,** Los Angeles, Cal. Ornamental woods.
- Chamber of Commerce,** Santa Ana, Cal. Oranges in liquid.
- Chamber of Commerce,** Santa Ana, Cal. Peanuts.
- Chamber of Commerce,** Santa Ana, Cal. Dried fruits.
- Doty & Doull,** Los Angeles, Cal. Patent lawn mower sharpener.
- Edward Germain Wine Company,** Los Angeles, Cal. Port, sherry, angelica.
- Edward Vom Hofe,** New York, N. Y. Game fish and reel.
- Fullerton Walnut Growers' Association,** Fullerton, Cal. English walnuts.
- Griffith, A. P.,** Azusa, Cal. Pomeis in liquid.
- Hill & Sons.** Olive oil.
- Hill & Sons,** Los Angeles, Cal. Pickled ripe olives.

*Exhibits of Southern California
Products, under the auspices
of Los Angeles Chamber
of Commerce.*

- Alamitos Sugar Company,** Los Angeles, Cal. Beet sugar.
- Akerman & Tuffey,** San Diego, Cal. Olive oil.
- Art Leather Company,** Los Angeles, Cal. Ornamental carved leather work.

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- Ice and Cold Storage Company,** Los Angeles, Cal. Ginger ale, puritas lithia water, komel, juice of the pomelo, orange, tango.
- Jarchow, J. H. J., San Gabriel,** Cal. Washington navel oranges.
- Jevne, H., Los Angeles, Cal.** Olive oil.
- Jevne, H., Los Angeles, Cal.** La crescents reising, la crescenta hock, la crescenta sauterne.
- Jevne, H., Los Angeles, Cal.** La crescents cabernet, la crescents burgandy, la crescento sinfandel.
- Jevne, H., Los Angeles, Cal.** Port, sherry, angelica.
- Last, C. F. A., Los Angeles, Cal.** Port.
- Leffingwell, C. W., Whittier, Cal.** Eureka lemons.
- Los Angeles Public Schools, Los Angeles, Cal.**
- Los Nietos, Ranchito Walnut Growers' Association, Incorporated,** Rivera, Cal. Soft and hard shell English walnuts.
- Lour & Gerling, Pomona, Cal.** Dried pears, dried peaches.
- Ludwig, Henry, Los Angeles, Cal.** Black walnuts.
- Ludwig & Mathewes, Los Angeles, Cal.** Orange-cling peaches in liquid, black diamond plums in liquid.
- Mansana Colony, Mansana, Cal.** Soft shell almonds.
- Marsh, Miss Beattie A., South Pasadena, Cal.** Canded violets, canded rose leaves.
- McEwen, D. H., Pomona, Cal.** Olive oil.
- McIntyre, J. H., Sespe, Cal.** Extracted sage honey.
- McLaughlin, S., Los Angeles, Cal.** Self-adjusting printing press for photo-engraving.
- Mendelson, M. H., Ventura, Cal.** Comb honey.
- Neff Laboratory, La Micado, Cal.** Kitro tonic, made from grape fruit.
- North Ontario Packing Company,** Los Angeles, Cal. Dried peaches, pears, prunes and nectarines.
- Ortega, E. C., Los Angeles, Cal.** Prepared Chile peppers in tin and glass, pepper sauce, Chile sauce.
- Pasadena Public Schools, Pasadena, Cal.**
- Picher, Anna B., Pasadena, Cal.** Belles.
- Pomona Board of Trade, Pomona, Cal.** Flame tokay grapes in liquid.
- Pomona Public Schools, Pomona, Cal.**
- Rapp, J. B., Colegrove, Cal.** Pine-apple in liquid, monstera delliciosa in liquid.
- Richardson, C. H., Pasadena, Cal.** Tangerines in liquid.
- Richardson, C. H., Pasadena, Cal.** Guavars in liquid.
- Rivers Brothers, Los Angeles, Cal.** Black Hamburg grapes, in liquid; black malvoisie grapes, in liquid.
- Schumacher, Frank, Los Angeles, Cal.** Carbon portraits.
- Schumacher, No. 107 North Spring street, Los Angeles, California.** Oldest Established Photographic Studio in Southern California. This exhibit has recently been awarded a medal for excellency at the late Paris Exposition. This famous studio has also received medals from the World's Fair. Gold Medal, Highest Prize, above all other competitors, at the Mid-Winter Fair, San Francisco, California, in 1894. Parties visiting Southern California should not fail to secure work of this celebrated studio.
- Seconda Guasti, Los Angeles, Cal.** Port, sherry, malaga, muscat, angelica.
- Sierra Madra Vintage Company, Lamanda, Cal.** Brandy of 1894.
- Sierra Madra Wine Company, Lamanda, Cal.** Port, trousseau port, 1885; malvoisa port, 1885; sherry, 1885; muscat, 1885; angelica wine.
- Sormano, G., Los Angeles, Cal.** Zinfandel.
- Sormano, G., Los Angeles, Cal.** Port, angelica, sherry.
- Sormano, G., Los Angeles, Cal.** Grape brandy.
- Southern California Deciduous Fruit Association, Los Angeles, Cal.** Dried pears, prunes, peaches and raisins.
- Southern California Fruit Exchange, Los Angeles, Cal.** General display of citrus fruits, Washington navel oranges, Valencia late oranges, seedling oranges, triumph pomelo lemons, citron of commerce.
- Southern California Wine Company, Los Angeles, Cal.** Grape brandy.
- Southern California Wine Company, Los Angeles, Cal.** Port, angelica, sherry, orange, muscat.
- Southern California Wine Company, Los Angeles, Cal.** Reising, sauterne.

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Southern California Wine Company, Los Angeles, Cal. Zinfandel, burgundy, blackberry wine.

Steel, W. R., Florence, Cal. Cornichon grapes, in liquid; flame tokay grapes, in liquid.

Strong, Mrs. W. W. R., Whittier, Cal. Pampas plumes.

Taft, C. P., Orange, Cal. Loquots.

Taft, C. P., Orange, Cal. Advance loquots, in liquid.

Teague, R. M., San Dimas, Cal. Kumquots, Japanese orange, in liquid; Valencia late oranges.

Thorp, S. R., Los Angeles, Cal. English walnuts.

Waters & Company, C. H., Pomona, Cal. Canned fruits.

Williams Co., George, Los Angeles, Cal. Williams' sauce for meat, fish, etc.

Wright, A. W., Pomona, Cal. Lemon juice.

Wright Brothers, Sunland, Cal. Olives, in liquid.

Yucca Manufacturing Company, Los Angeles, Cal. Tree protector, surgeon's splints, insoles, etc., made from yucca.

MEXICO.

Arellanes, Longinos, Ocotlan, Oaxaca. Mezcal, (made from agave plant).

Audinot, Francisco, Aguascalientes, brandy.

Barrios y Murga, Mexico. Red wine. D-F.

Becerra, Fabra y Cia, Macuspana, Tabasco. Brandy.

Casa Colorado, Mexico. Cognac, Rum and Brandy. D-F.

Casillas, Pilar, Ensenada, B. C. Brandy.

Castillo, Hermanos, Santa Elena, Durango. Mezcal (made from agave plant).

Chalon, Hermanos, Apam, Hidalgo. White wine, champagne.

Compania Destiladora "La Kentucky," Monterrey, N. L. Whiskey and Mezcal (made from agave plant).

Compania Destiladora, Mexico. Cognac. D-F.

Cuevas, Andres, Miahuatlan, Oaxaca. Mezcal (made from agave plant).

Cruz, Eulogio, Santo Tomas, Oaxaca. Mezcal (made from agave plant).

Cruz, Sabas, Guadalajara, Jalisco. Tequila (made from agave plant).

Davila, Ygnacio, Guadalajara, Jalisco, muscatel.

Deltus y Compania, Tepic, Tepic. Banana brandy.

Destileria Del Torreon, Torreon, Coahuila. Whiskey.

Encinas, Alfredo, Sahuaripa, Sonora. Mezcal (made from agave plant).

Fabrica "La Escondida," Tepic, Tepic. Brandy.

Filisola, Hermanos, Ciudad Victoria. Tamaulipas. Mezcal (made from agave plant).

Garcia, Jesus, San Luis Potosi, S. L. P. Mezcal (made from agave plant).

Garcia, Joaquin, Texcoco, Mexico. Brandy and cognac.

Garcia, Joaquin, Texcoco, Mexico, Vermont.

Garcia, Hermanos, Otumba, Mexico. Brandy (made from pulque).

Gonzales, Trevino Lorenzo, Pararas, Coahuila, cherry and port wine.

Gonzalez, Trevino Lorenzo, Pararas, Coahuila, red wine.

Gonzales, Trevino Lorenzo, Pararas, Coahuila, white wine, brandy, etc.

Gobierno Del Estado De Morelos, Cuernavaca. Mezcal (made from agave plant).

Gobierno Del Estado De Zacatecas. Zacatecas. Mezcal (made from agave plant).

Gusman, Bernabe, Ocotlan, Oaxaca. Mezcal (made from agave plant).

Jarquín, Mariano, Zoquitlan, Oaxaca. Mezcal (made from agave plant).

Jesus Juan Pedro, Miahuatlan, Oaxaca. Mezcal (made from agave plant.)

Ledesma, Genoveva, Zimapan, Hidalgo. Mezcal, (made from agave plant).

Ledesma, Federico, Zimapan, Hidalgo. Mezcal (made from agave plant).

Lopez, Melesio, Sinaloa, Sinaloa. Mezcal (made from agave plant).

Maldonado, Ramon, Monterrey, N. L. Cognac.

Mantilla, Jose M., San Juan Bautista. Tabasco. Mezcal (made from agave plant).

Martinez, Jose, Tlaxcolula, Oaxaca. Mezcal (made from agave plant).

- Martinez, Juan, San Pedro Quiatoni.** Oaxaca. Mezcal (made from agave plant).
- Martinez, L., Hostotipaquillo, Jalisco.** Mezcal (made from agave plant).
- Martinez, Viuda De, Guadalajara, Jalisco.** Tequila (made from agave plant).
- Mendoza Nabor Sucesores, La Paz, Baja California.** Mezcal (made from agave plant).
- Mendoza, Simon, La Paz, Baja, California.** Mezcal (made from agave plant).
- Mora, Ramon De La, Guadalajara, Jalisco.** Tequila (made from agave plant).
- Munoz, Manuel, Tlaltisapam, Hidalgo.** Mezcal (made from agave plant).
- Nunez, Juan, Sinaloa, Sinaloa.** Mezcal (made from agave plant).
- Ochoa y Aviles, Fuerte, Sinaloa.** Brandy.
- Ortega, Carmen, Hermosillo, Sonora.** Mezcal (made from agave plant).
- Parada, Miguel, Ocotlan, Oaxaca.** Mezcal (made from agave plant).
- Peiro, Hermanos, Hacienda de Pericos, Sinaloa.** Mezcal (made from agave plant).
- Ramirez E Hijos, San Luis Potosi, S. L. P.** Mezcal (made from agave plant).
- Rancho, Grande, Fresnillo, Zacatecas.** White wine.
- Remus, Hijas De, Guadalajara, Jalisco.** Brandy.
- Retes, Hermanos, Hacienda de pericos, Sinaloa.** Mezcal (made from agave plant).
- Riquelme, S., Mexico.** Brandy.
- Romero, Francisco, Tequila, Jalisco.** Mezcal (made from agave plant).
- Samperio, Ygnacio, Pachuca, Hidalgo.** Mezcal (made from agave plant).
- Sociedad Agricola, Mexico.** Mezcal (made from agave plant.). D-F.
- Solorzano y Sans, Mexico.** Brandy (made from pulque). D-F.
- Tardos, Julio, Mexico.** Whiskey, Cognac and rum. D-F.
- Teran, Juan, Ciudad Victoria, Tamaulipas.** Mezcal (made from agave plant).
- Torres, Hermanos, Nayas, Durango.** White wine.
- Valdes, Abundio, Aguascaliente, Sinaloa.** Brandy.
- Vargas, M., Colima, Colima.** Red wine.
- Villareal, J. M., Mexico.** Cognac. Cognac. D-F.
- Zamora, Cipriano, Miahuatlan, Oaxaca.** Mezcal (made from agave plant).
- Zertuche, A., Ciudad Romero Rubio, Coahuila.** Mezcal (made from agave plant).

CATALOGUE OF SUGAR EXHIBIT OF THE ARGENTINE REPUBLIC, CROP 1898-99.

No.	EXHIBITOR.	NAME OF THE FACTORY.	ADDRESS.	PRODUCT.
1	Sociedad Anónima	Refinería Argentina	Rosario, Prov. of Santa Fé	Ref. sugar "Pila especial"
2	"	"	"	" " "Pila común"
3	"	"	"	" " "Pancitos grandes"
4	"	"	"	" " "Pancitos chicos"
5	"	"	"	" " "Granizo"
6	"	"	"	" " "Molido"
7	"	"	"	" " "Impalpable"
8	"	"	"	" " "Cristalino"
9	Manuel Garcia Fernandez	Ingenio-Refinería "Bella Vista"	Province of Tucumán	"
10	"	"	"	"
11	"	"	"	"
12	Wenceslao Posse	Ingenio "Esperanza"	"	Sugar 1st class, "en grano"
13	Delia Jijena	" "Amalia"	"	" " "Molida"
14	Cleodomiro Hileret	" "Lules"	"	" " " "
15	Hileret y Hileret	" "Santa Ana"	"	" " " "
16	Rougés y Rougés	" "Santa Rosa"	"	" " " "
17	Dorado y Uriburu	" "San Isidro"	Salta	" " " "

* Collective exhibits.

Floriculture.

William Scott, Asst. Supt.

Exhibits of Floriculture are to be found in the Rose and Horticultural Gardens, in the Conservatories at the east and west ends of the Horticulture Building. The exhibits of Aquatics are to be found in the basin south of the Manufacture and Liberal Arts Building, in the basin south of the Machinery and Transportation Building and on the margin of the Mirror Lakes. Many entries for the Cut Flowers Exhibitions cannot be given now as entries will not be made many days previous to the exhibition.

EXHIBITORS.

- American Ginseng Co., Rose Hill, N. Y.** Bed of ginseng.
- Bobbiak & Atkins, Rutherford, N. J.** Evergreens and shrubs.
- Bogue, Nelson, Batavia, N. Y.** Hybrid perpetual roses (1800).
- Burpee Co., Atlee, Philadelphia.** 5 beds. Coleus (2 varieties), begonias (2 varieties), burbank roses.
- Clucas & Boddington, New York.** Spanish iris (10,000, in 8 beds.)
- Conard & Jones, West Grove, Pa.** Cannas.
- Cook, John, Baltimore, Md.** Bed of new rose, Admiral Schley.
- Dingee & Conard, West Grove, Pa.** Summer blooming roses (2 beds.)
- Dreer, Henry A., Philadelphia, Pa.** 31,000 square feet of beds containing tulips, hyacinths, narcissus, pansies, grasses, herbaceous plants (50 varieties), begonias, verbenas, cannas, geraniums, lantana, Japanese maples, celosia, phlox, petunias, asters, dianthus, gallardia, tritoma, lawn grass; aquatics: nymphneas (50 species), victoria regia (basin south of Machinery Bldg.), victoria trickeril.
- Eicholtz, Henry, Waynesboro, Pa.** Cannas (2 beds).
- Eisele, Christian, Philadelphia, Pa.** Pansies (3 beds), carnations (3 varieties), geraniums.
- Eisele, W. G., West End, N. J.** Cannas (3 beds.)
- Ellwanger & Barry, Rochester, N. Y.** Hybrid perpetual roses (2000), hardy phlox, collection of hardy trees, and shrubs.
Mount Hope Nurseries. Established over 60 years. Trees, fruit trees, small fruits, grapes, ornamental trees, shrubs, shade trees, hardy roses, hardy plants, etc. Illustrated catalogue free.
- Henderson & Co., Peter, New York.** Lawn grass, garden implements, spring flowering bulbs (70,000), large collection summer blooming plants, occupying the entire space between Horticultural Building and north of Canal.
- Jackson & Perkins, Newark, N. J.** Hardy roses, climbing roses.
- Lothrop & Higgins, East Bridgewater, Mass.** Dahlias (3000 plants in 3 beds.)
- Mann, Matthew D., M. D., Buffalo.** Delphiniums.
- Meehan & Son, Thos, Germantown, Pa.** 75 specimen evergreens.
- Michell, Henry F., Philadelphia, Pa.** Spring flowering bulbs (8 beds.)
- Moon Co., Wm. H., Morrisville, Pa.** Collection of evergreens, retinosporas.
- Park Floral Co., Denver, Colo.** Aquilegia.
- Parks and Boulevards Commission, Detroit, Michigan.** Tropical beds.

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- Parsons & Son, Flushing, N. Y.**
Ilex crenata (1 bed), Japanese maple (1 bed.)
- Pierson & Co., F. R., Tarrytown, N. Y.** Tulips (42,000), hardy hydrangeas, crimson rambler roses, cannas, musa, about 20 varieties summer blooming plants.
- Rea Bros., Norwood, Mass.** Collection hardy phlox.
- Scott, William, Buffalo.** 200 plants of altheas.
- Smith & Son, Nathan, Adrian, Mich.** Cannas (1 bed.)
- Smith, E. C., Geneva, N. Y.** Rudbeckia golden glow.
- Vaughan, J. C., Chicago, Ill.** 17 beds containing hardy phlox, pansies, geraniums, begonias, other varieties summer blooming plants.
- Vick's Sons, Jas., Rochester, N. Y.** 6 beds spring flowering bulbs to be followed by summer blooming plants.
- Ward, Charles W., Queens, N. Y.** Geraniums (3 varieties), McKinley cannas.
- Whitney-Eckstein Seed Co., Buffalo.** Lawn grass.
- Zimmerman, C. D., Buffalo.** Tulips and hyacinths (1 bed.) cannas, tropical plants.
- Zirngiebel, Denys, Needham, Mass.** pansies (1500).
- Krick, W. C., Brooklyn, N. Y.**
Flower vases, flower stands, florists' supplies.
- Orlando Pineapple Association, Orlando, Florida.** Collection of pineapple plants in fruit.
- Vick's Sons, Jas., Rochester, N. Y.**
200 sq. ft. seeds, bulbs, cut flowers.
Vick's Seeds,
Vick's Plants,
True to Name,
Sure to Grow.
- Ward, C. W., Queens, N. Y.** 1350 sq. ft. geraniums, pelargoniums, begonias.
- Wittbold Co., The Geo., Chicago.**
80 sq. ft. collection of new fern, "Nephrolepis Wittboldii."
- Zimmerman, C. D., Buffalo.** 25 sq. ft. collection of foliage plants.

MEXICO.

The following plants located in bed west of Women's Building.

- Collection of 500 single Tuberous Begonias.
Collection of 500 double Tuberous Begonias.
Amaryllis Formosissima, *Bessera Elegans*, *Cyclobothra Flava*, *Milla Biflora*, *Zephyranthes Alba* and *Z. Rosea*, *Tigridias Pavonia*, *Conchiflora* and *Rosea*, *Panocratum Sps.*

ORCHIDS—*Brassavola Glauca*, *Lycaste Aromatica*, *Brassia Verrucosa*, *Lycaste Cruenta*, *Catleya Citrina*, *Mormodes Sps*, *Chysis Aurea*, *Odontoglossum Bictoniense*, *Chysis Bractescens*, *O. Cervanteslo*, *Epidendrum Falcatum*, *O. Citrosum*, *E. Nemorale*, *O. Cordatum*, *E. Vitellinum Majus*, *O. Insleyi*, *Laelia Albida*, *C. Maculatum*, *Laelia Anceps*, *O. Nebulosum*, *L. Anceps Alba* in var., *O. Reichenheimi*, *L. Autumnalis*, *Oncidium Bicalosum*, *L. Atorubens*, *On. Cavendishianum*, *L. Majalis*, *On. Cebolleta*, *L. Majalis Alba*, *On. Tigrinum*, *L. Majalis Rosea*, *On. Ornithonychum*, *On. Stelligerum*, *Sobralia Macrantha*, *On. Tigrinum*, *Stanhopea Tigrina*, *On. Ungulculatum*, *S. Oculata*, *Schomburkia Tibicinis*, *S. Martiana*.

CACTACEA.—*Ahalonium Fissuratum*, *Cereus Serpentinus*, *A. Lewinii*, *C. Euphorbioides*, *A. Prismaticum*, *C. Flagelliformis*, *A. Sulcatum*, *C. Gemantus*, *A. Williamsi*, *C. Pascanus*, *C. Pugniiferous Geometrizzans*, *C. Speciosissimus*, other unclassified *Cerps*.

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ECHINOCACTUS.—*Beguinii*, *E. Multicostatus*, *Bicolor*, *E. Ornatus*, *E. Cornigerus Flavispinus*, *E. Pfeifferi*, *E. Crispatus*, *E. Recurvus*, *E. Electracanthus*, *E. Robustus*, *E. Grusoni*, *E. Sheeri*, *E. Helophorus*, *E. Pillsus*, *E. Horizontaloniolus*, *E. Steinessi*, *E. Ingens*, *E. Texensis*, *E. Lancifer*, *E. Turbiniformis*, *E. McDowellii*, *E. Uncinatus*, *E. Lophothele*, *E. Cereus Berlandieri*, *E. Caespitosus*, *E. C. Ehrenbergi*, *E. C. Merkeri*, *E. C. Pectinatus*.

MAMILLARIA.—*Aplanta*, *M. Careti*, *M. Circhifera Longispina*, *M. Cornifera*, *M. Cornuta*, *M. Domonoreras*, *M. Donati*, *E. Echinata*, *M. Elegans*, *M. Elephantidens*, *M. Ererta*, *M. Eriacantha*, *M. Heeseana Longispina*, *M. Lassomeri*, *M. Micromeris*, *M. Micromeris Greggii*, *M. Mutabilis*, *M. Nivea*, *M. Nicholsoni*, *M. Parkinsoni*, *M. Pfeifferi*, *M. Plumosa*, *M. Potosina*, *M. Recurvata*, *M. Recurveus*, *M. San-*

guinea, *M. Solymoides*, *M. Spinossissima*, *M. Stella Aurata*, *M. Wultoni*, *Pilocereus Fosulatus*, *P. C. Hoppenstedti*, *P. C. Senella*, *Pelecyphora Ascelliformis*, *Opuntia Microdasy*, *Mamillaria Nivia Cristata*, *M. Micromeris Cristata*, *M. Lassomeri Cristata*, *Cereus Columbrinus Cristata*, *Cereus Pascamus Cristata*.

Latania Borbonica, *Kentia Belmoriana*, *Kentia Forsteriana*, *Corypha Australis*, *Phoenix Canariensis*, *Chamedoria Elegans*, *Chamedoria Gracilis*.

Collection of fancy Pelargoniums.
Collection of Camellias.

TENDER CLIMBING PLANTS—*Cobea Scandens*, *Mina*, *Lobata*.

NATIVE WILD PLANTS.—*Tillandiasias*, *Sellanigella Lepidophylla*, *Agave Americana*, *Americana Variegata*, *A. Tehuacanensis*, *A. Victoria Regina*. 10 other unclassified *Agaves*.

Forestry Building.

Frederic W. Taylor, Supt.

F. de P. Townsend, Asst. Supt.

EXHIBITORS.

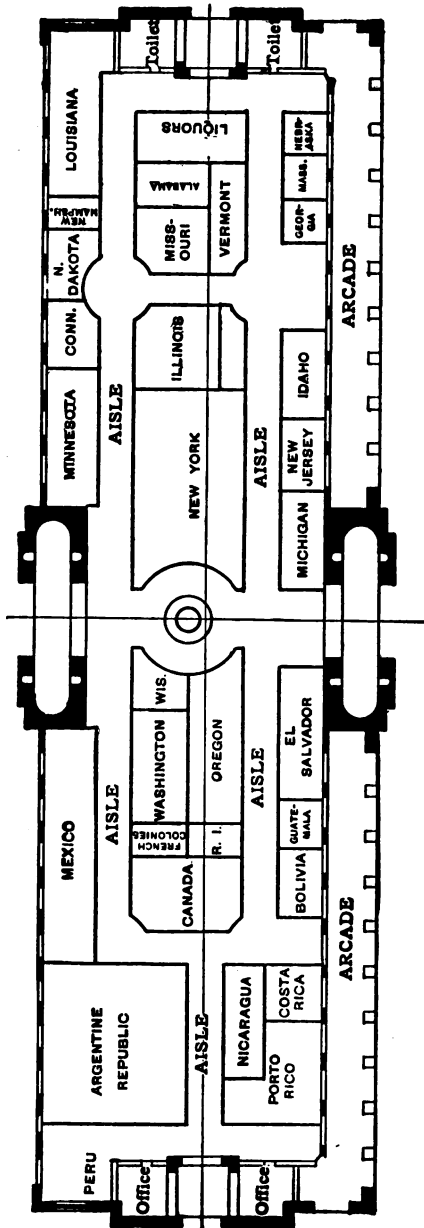
- Berlin Mills Company, N. H.** Relief maps of Maine and N. H. townships, paper pulp, sulphide, wood preservatives, model lumber camps, specimens of game.
- Brandel, Phillip, Buffalo, N. Y.** Wood mosaics.
- Bridgeport Wood Finishing Co., New Milford, Conn.** Wood specimens.
- Cornell University.** Relief maps of their forest, photo.
- Freeman, N. G., Buffalo, N. Y.** Wood and bark novelties.
- George Pine Turpentine Co.** Turpentine, oils, etc.
- Hopkins, A. D., W. Va.** Insects destructive to forest trees.
- Hough, Romeyn B., Louisville, Ky.** Veneers.
- Idaho, State of.**
- Louisiana, State of.** Insects injurious to forest trees.
- Lewis, Graceana.** Leaf charts.
- Manhattan Spirit Co., Buffalo, N. Y.** Alcohol and by-products.
- Mexico.** Specimens of wood and forest products.
- Michigan, State of.**
- Missouri, State of.** Specimens of wood and forest products.
- Morley Bros., Saginaw, Mich.** Logging tools, etc.
- N. Y. Fish, Forest and Game Commission.** Specimens of woods and specimens of fish and game.
- N. Y. State Museum.** Entomological collection and relief map of Adirondacks.
- Nonpareil Cork Mfg. Co., Bridgeport, Conn.** Floor and wainscot tiling. Durable, artistic, noiseless. Pipe covering for all uses. Sheet cork. The best cold storage insulation. See our exhibit. Write if interested.
- Ontario, Province of.**
- Oregon, State of.**
- Reusmann & Deen, Eaton, Ohio.** Specimens of finished hard wood.
- Shiras, George H.** Pictures of wild game.
- Spirittine Chemical Company, Wilmington, N. C.** Wood preservative. Sole manufacturers of "Spirittine." We are here to interest the visitors to this Exposition in the products of the long leaf yellow pine tree; especially our "Spirittine Wood Preserver," which has stood the test successfully for fourteen years. Call and get one of our booklets containing full and valuable information.
- Tindle & Jackson, Buffalo, N. Y.** Coopers stock, handles, etc.
- Washington—Game; land and aquatic birds, mammals and food fishes.** Gallery, west end.
- Wisconsin, State of.**

MEXICO.

- Alvarez, M., Chiapa, Guerrero.** Specimens of indigo.
- Anciola, M., Inchamin, Michoacan.** Specimens of indigo.
- Ayuntamiento de Miacatlan, State of Morelos.** Collection of woods.
- Ayuntamiento de Tlaltizapan, State of Morelos.** Collection of woods.
- Barreto, Gregorio, Colima.** Collection of woods.
- Barron, Forbes y Cia, Tepic, Tepic.** Collection of woods.
- Barron, Forbes y Cia, Tepic, Tepic.** Specimens of rubber.
- Becerra Fabre, Belisario, Macuspana, Tabasco.** Specimens of achiote.
- Camacho, I., Las Conchas, Chiapas.** Specimens of rubber.
- Carpens, Gila A. de, Tepic, Tepic.** Collection of woods.
- Cesena, E., Mexico, Distrito Federal.** Specimens of damiana.

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- Compania Colonizadora, Progreso, Yucatan.** Collection of woods.
- Compania Colonizadora, Progreso, Yucatan.** Specimens of chewing gum.
- Compania Del Ferrocarril Sud Oriental, Merida, Yucatan.** Collection of woods.
- Cortes, Remigio, Tlacotalpan, Veracruz.** Collection of woods.
- Espinosa, J. M., La Libertad, Chiapas.** Specimens of indigo.
- Fragoso, Nestor, Motozintla, Chiapas.** Specimens of gums.
- Fuentes Primitivo, Tetecala, State of Morelos.** Collection of woods.
- Fuentes, P., Tetecala, Morelos.** Specimens of gums.
- Gobierno del Estado de Aguascalientes, Aguascalientes.** Collection of woods, brandy, etc.
- Gobierno del Estado de Chiapas, Tuxtla Gutierrez.** Specimens of rubber, resins, indigo, achlote, amolillo y jaboncillo.
- Gobierno del Estado de Colima, Colima.** Collection of tanning barks.
- Gobierno del Estado de Colima, Colima.** Specimens of cascalote.
- Gobierno Del Estado De Durango, Durango.** Fruits in wax.
- Gobierno del Estado de Guerrero, Chilpancingo.** Specimens of gums.
- Gobierno del Estado de Michoacan, Morelia.** Specimens of axe.
- Gobierno Del Estado de Oaxaca, Oaxaca.** Fruits in wax.
- Gobierno del Estado de Puebla, Puebla.** Collection of woods.
- Gobierno del Estado de San Luis Potosi, San Luis Potosi.** Collection of woods.
- Gobierno Del Estado De Sonora, Hermosillo.** Fruits in wax.
- Gobierno del Estado de Tabasco, San Juan Bautista.** Collection of tanning barks.
- Gobierno del Estado de Tabasco, San Juan Bautista.** Collection of woods.
- Gobierno del Estado de Tabasco, San Juan Bautista.** Specimens of achlote, chewing gum, resin, rubber and cotton.
- Gobierno del Estado de Veracruz, Xalapa.** Collection of woods.
- Gobierno del Territorio de Tepic, Tepic.** Collection of woods.
- Gonzales, Gil Jose, Cunduacan, State of Tabasco.** Sample of wood.
- Gonzales, Pedro, Cunduacan, State of Tabasco.** Sample of wood.
- Hernandez, Gregorio, Cunduacan, State of Tabasco.** Sample of wood.
- Junta Local De Puebla, Puebla.** Fruits in wax.
- Martinez, J. M., Zimatlan, Oaxaca.** Collection of tanning barks.
- Merodio, Manuel, Cunduacan, State of Tabasco.** Collection of woods.
- Municipio de Jonacatepec, Morelos.** Collection of tanning barks.
- Municipio de Jonacatepec, Morelos.** Specimens of gums.
- Palacios, S., Motozintla, Chiapas.** Specimens of gums.
- Pallas y Cia, Isla del Carmen, Campeche.** Specimens of chewing gum.
- Farres de la Fuente, Juan, La Providencia, Mexico.** Specimens of roots.
- Penafiel, Esther, Mexico.** Fruits in wax.
- Ramos, Hermanos, Mexico, Distrito Federal.** Specimens of chewing gum and rubber.
- Robles, L., Sinacomitlan, Colima.** Specimens of chewing gum and rubber.
- Romano y Cia, Macuspana, Tabasco.** Collection of woods.
- Rosado Desiderio, San Juan Bautista, Tabasco.** Specimens of jaboncillo.
- Rosas, Prefecto, Amacuzac, State of Morelos.** Collection of woods.
- Salazar, Mauro, Montemorelos, Nuevo Leon.** Collection of woods.
- Santa Cruz, Francisco, Colima, Colima.** Collection of woods.
- Secretaria de Fomento, Mexico.** Collection of woods.
- Secretaria de Fomento, Mexico, Distrito Federal.** Specimens of gums, medicinal plants and chewing gum.
- Sociedad Agricola, Mexico.** Fruits in wax. D-F.
- Solorrano, Salvador, Mexico.** Collection of woods.
- Solorzano y Sans, Jose, Mexico.** Collection of woods.
- Torres, C., Los Helotes.** Collection of woods.
- Vargas, F. S., Chila, Tepic.** Specimens of chewing gum.
- Vasquez, Pablo, Tlaltenango, State of Morelos.** Mesquite gum.



AGRICULTURE BUILDING.

Agriculture Building.

F. A. Converse, Supt.

H. A. McManus, Asst. Supt.

The ground floor of this building is shown on the opposite page, and the arrangement of exhibit spaces is shown thereon. Those exhibits located in the gallery are so indicated.

THE EXHIBITS INCLUDE:

Grasses and Forage Crops, Cereals, Tubers and Root Crops,
By-Products used for Animal Foods,
Agricultural Products, Fibers, Fertilizers, etc.

EXHIBITORS.

- Apiarian Exhibit of Canadian Government.** Gallery, west end.
- Apiarian Exhibit of N. Y. State Commission.** Gallery, west end.
- Atchison, Topeka & Santa Fe Railway System, The, Chicago, Ill.** Diorama. Electric diorama, Grand Canyon of Arizona in gallery west end of Agricultural Building; magnificent scenic spectacle. Also series of 100 postal views in Postal Exhibit U. S. Government Building.
- Badow, P. E., Cayes, Hayti.** Bbl. Rum. Main floor, west end.
- Barbancourt & Co., Port-au-Prince, Hayti.** Bottled rum. Main floor. West end.
- Battle Creek Pure Food Co., Battle Creek, Mich.** Breakfast food.
- Buffalo Distilling Co., Buffalo, N. Y.** Whiskies, etc. Ground floor, east end of building.
- Cataract City Milling Company, Niagara Falls, N. Y.** Flour, etc. Gallery, east end.
- Choctaw, Oklahoma & Gulf Ry.** Agricultural products and literature. Gallery, east end.
- Conrad Stein's Sons, New York, N. Y.** Malt liquors. Gallery east end. Lager beer brewers. Beer bottled especially for export and family trade. Look up our exhibit and receive souvenirs.
- Cook & Bernheimer Co., New York, N. Y.** Whiskies, club cocktails, etc. Gallery, east end.
- Crothers, L. M., Crothers, Pa.** Cereals, etc. Gallery, near center.
- Dominion of Canada.** Canned fruits, vegetables, foods, etc. Gallery, near center.
- Flint Eddy & Amer. Trading Co., New York City.** Native Philippine hemp cleaner and decorticator. Gallery, near center.
- Gerhard Lang Brewing Co., Buffalo, N. Y.** Lager beer. Gallery, east end.
- Holihan Bros., Lawrence, Mass.** Liquors, etc. Gallery, east end.
- Labatt, J., London, Ont.** Beer, ales, etc. Ground floor, east end of building.
- Meadville Distilling Co., Meadville, Pa.** Whiskies. Ground floor, east end of building.
- National Beet Sugar Association, Buffalo, N. Y.** Beets and Beet Sugar, etc. Gallery, west of center.
- N. Y. State Agricultural Experiment Station, Geneva, N. Y.** Gallery, east end.
- Ontario Bee Keepers' Association.** Bees and honey. Gallery, west end.
- Overholt & Co., A., Pittsburg, Pa.** Whiskies, etc. Ground floor, east end of building. Pennsylvania Pure Rye Whiskey, "bottled in bond" or by the barrel.
- Petty, W. L. & Co., Rocky Mount, N. C.** Leaf tobacco. Gallery, near center.
- St. Louis & San Francisco R. R., New York, N. Y.** The Frisco Line—St. Louis and San Francisco Railroad is a line traversing Alabama, Mississippi, Arkansas, Missouri, Kansas, Indian Territory and Texas. Its mineral and agricultural resources almost unlimited. Exhibit on the South Wall, Agriculture Bldg.

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Southern Railway Company, Washington, D. C. Paintings. East side of north entrance to building.
The A. I. Root Co., Medina, Ohio. Bee keepers' supplies. Gallery, west end.
The W. T. Falconer Co., Jamestown, N. Y. Bee keepers' supplies. Gallery, west end.
The Dickinson Company, Chicago, Ill. Seeds. Gallery, east of center.
U. S. Govt. Agricultural Experiment Station. Gallery, east end.
Vermont Maple Sugar Makers' Association, Randolph, Vt. Maple sugars and syrups. Main floor, east end.
Wupperman, J. W., New York, N. Y. Angostura bitters. Ground floor, east end of building.

SAN SALVADOR.

The Government has made extensive exhibits of Coffee, Rice, Cereals, Vegetables, Tobacco, Sugar, Wools, Ores, Minerals, Books, Music, etc.
The individual exhibitors are as follows:
Angulo, Dr. Nicholas, San Vicente. Coffee, indigo.
Avila & Andrade, "Santa Rosa." Gold and silver ores.
Azcena, Mrs. Juana de, San Salvador. Silk textures.
Belleave, Santiago, "San Isidro." Copper ores.
Bengos & Co., San Salvador. Chocolate and candies.
Blanco & Lozano, Department of La Libertad. Coffee.
Carreras & Co., Messrs., "La Aurora." Cigarettes.
Chaves, Narciso, San Salvador. Canelon wood desk.
Dias, Josefa Bulnes de. Cigars.
Duke, Rodolfo, "La Labranza." Coffee.
F. de Pena, Mrs. Josefa, Suchitoto. Cigars.
Escalante, Miss Sarah, San Salvador. Handkerchief.
Escobar, Jesus G. Peaberry coffee.
Espinosa, Fernando Avila, "Jocoro." Gold and silver ores.
Goldtree Lieber & Co., San Salvador. Balsam.
Gomes, A., "Chapeltique." Gold and silver ores.
Gonzales, Dr. Dario, San Salvador. Medicinal plants, balsam, etc.

Gonzales, Emilio, Comacaran. Gold and silver ores.
Hernandez, Dr. A., San Salvador. Medicinal plants.
Hernandez, Miss Julia, San Salvador. Handkerchief.
Hill, James, Department of Santa Ana. Peaberry coffee.
Isalco, Indian Women of, Sonsonatl. Silk belt.
Lemus, Miss Domitila, Santa Ana. Crochet work.
Lorano, Gustavo, "El Poerdenir" mine. Gold, silver and manganese ores.
Lozano, Calixto & Benjamin, "Santa Rosa." Gold and silver ores.
Macay, Phillip, "Santa Rosa." Gold and silver ores.
Madrid, Benjamin, San Salvador. Liquors.
Magana, A., "Chapeltique." Gold and silver ores.
Mejia, Frederico, "La Labranza." Coffee.
Melendez, Carlos, "El Angel." Sugar in blocks.
Melgares, Secundino, "Jocoro." Gold and silver ores.
Molina, Juan Antonio, San Salvador. Rubber.
Nolasco, Paul, "Perquin." Gold ores.
Olmedo, Angel, Santa Ana. Bاندore (musical inst.).
Parraga, Carlos, San Salvador. Seal case.
Reinos, Elias, "Perquin." Gold ores.
Regaldo, Gen. Thomas. Coffee.
Reyes, Francisco A. Peaberry coffee.
Roque, Esteban O., "La Union." Medicinal extracts.
Salicians, Rev. Fathers, Santa Tecla. Tanned skins.
Serrano, Miguel Antonio, Salvador. Indigo.
Seymour, George W., San Salvador. Polished woods.
Soler Bros., "Morasan." Cigarettes.
Tuancingo, Natives of, Cascatlan. Straw hats.
Uluarnapa, Natives of, San Miguel. Straw hats.
Velarde, Frederico R., San Salvador. Soaps.
Villadenceno, Miss Clementina, San Salvador. Artificial flowers.

United States Government Buildings.

DEPARTMENTAL EXHIBITS.

DEPARTMENT OF AGRICULTURE—North Building. Col. J. H. Brigham.

DEPARTMENT OF STATE—East side of Main Building rotunda. Maj. Wm. H. Michael.

TREASURY DEPARTMENT—West side of Main Building rotunda. Mr. Wallace H. Hills.

WAR DEPARTMENT—East side of Main Building rotunda. Capt. Peter C. Harris.

DEPARTMENT OF JUSTICE—Northeast side of Main Building rotunda. Maj. Frank Strong.

POSTOFFICE DEPARTMENT—Southeast corner of Main Building. Col. John B. Brownlow.

NAVY DEPARTMENT—Southwest side of Main Building rotunda. Mr. B. F. Peters.

DEPARTMENT OF THE INTERIOR—Northeast corner of Main Building. Dr. F. W. Clarke.

SMITHSONIAN INSTITUTION AND NATIONAL MUSEUM—Northwest corner of Main Building. Dr. F. W. True.

FISH AND FISHERIES DEPARTMENT—South Building. Mr. W. DeC. Ravenel.

DEPARTMENT OF LABOR—Northeast side of Main Building rotunda. Mr. Chas. H. Verrill.

BUREAU OF AMERICAN REPUBLICS—East side of Main Building rotunda. Mr. Wm. C. Fox.

PHILIPPINE ISLANDS EXHIBIT—North Building. Dr. F. W. True.

Dairy Building.

F. A. Converse, Supt.
W. W. Hall, Asst. Supt.

The first floor of this building is occupied by the butter and cheese exhibit made in refrigerated cases.

The following States and countries have sent exhibits of dairy products :

Iowa.
Minnesota.
Nebraska.
California.
Missouri.
Canada.
North Carolina.
Pennsylvania.
North Dakota.

New York.
Connecticut.
New Hampshire.
Massachusetts.
New Jersey.
Ohio.
Michigan.
Wisconsin.
Illinois.

EXHIBITORS.

Brunswick Refrigerating Co.,
New Brunswick, N. J.

Continental Creamery Co., Topeka, Kansas.

Cochran Refrigerating Co., Lorraine, O.

De Laval Separator, 74 Cortlandt St., New York, N. Y.

The De Laval cream separators are of the improved "Alpha" disc type and are as much superior to other separators as such machines are to gravity setting methods.

Gem Package Co., Detroit, Mich.

Good Luck Creamery Co., 183 S. Water St., Chicago, Ill.

Heller and Mers, 55 Maiden Lane, New York, N. Y. Butter color.

Iron Clad Mfg. Co., 2-4-6 Cliff St., New York, N. Y. Cans and dairy supplies.

Minnesota, State of, "The Bread and Butter State." Model in butter.

This is the largest model ever made of butter. An exact reproduction of the new Capitol; weight 1600 lbs. pure creamery butter. In the largest glass refrigerator ever made.

Oakes and Burger, Cattaraugus, N. Y. Cheese and butter factory supplies.

Reed, A. H., 30th & Market Sts., Philadelphia, Pa. Cream separator and pasteurizer.

Sharples, P. M., West Chester, Pa. Tubular cream separators and supplies. New tubular suspended bowl, bottom feed cream separators. Improvement over the disc or old style bowls with contraptions inside. Squeezer combined churn and butter worker. Squeezes instead of grinding. Dairy and creamery appliances.

Star Milk Cooler Co., Haddonfield N. J. Milk aerators.

Vermont Farm Machine Co., Belows Falls, Vt. Separators and dairy apparatus. Improved U. S. cream separators and other dairy and creamery supplies.

CALIFORNIA.

Bonanza Cream Co. Canned cream butter.

Eagle Dairy Co. Canned butter.

Golden Poppy Co. Canned butter.

Golden Poppy Co. Canned cream butter.

Lily Cream Co. Canned cream butter.

Norton, Teller & Boden. Canned butter.

Russell Creamery Co. Canned cream butter.

Schutz-Martinelli & Co. Canned butter.

Whitney & Co., C., San Francisco, Cal. Canned butter.

Model Dairy.

F. A. Converse, Supt.

Edward Van Alstyne, Asst. Supt.

In this department is conducted a complete working dairy during the six months of the Exposition. Five cows selected from ten different breeds compose the dairy. Daily demonstrations of separating, churning, testing, etc., are carried on between the hours of 8 and 12. Accurate records of the daily performance of each cow are kept, showing the cost of production of milk and butter.

The stable is equipped with all modern appliances, special attention being given to hygienic and sanitary conditions. All the milk and buttermilk produced daily from the 50 cows in this dairy is served to visitors.

THE ENTRY LIST IS AS FOLLOWS.

UNITED STATES.

American Devonshire Cattle Association.
American Guernsey Cattle Club.
American Polled Jersey Club.
Ayrshire Breeders' Association.
Brown Swiss Breeders' Association.
Dutch Belted Cattle Breeders' Association.
Red Polled Cattle Club of America.

CANADA.

Canadian Ayrshire Breeders' Association.
Canadian Jersey Cattle Association.
Canadian Holstein Friesian Association.
Dominion Short Horn Breeders' Association.
French-Canadian Cattle Breeders' Association.

Live Stock Pavilion—A.

Allen Sheep Shearing Co., Chicago, Ill. Shearing machines.
Anti-Cholera Co., Chicago, Ill. Medicines.
Cornell Incubator Mfg. Co., Ithaca, N. Y. Incubators
Cyphers Incubator Co., Wayland, N. Y. Incubators.
Holt, L. W., Rose Hill, N. Y. Automatic check.
Marilla Incubator Co., Rose Hill, N. Y. Incubators.
Page, C. H., Buffalo, N. Y. Door guide and stay.
Poultry Food, Geo. L. Harding, Binghamton, N. Y.
Pumphrey & Co., E. M., Indianapolis, Ind. Feed boxes.

Bazaar Building.

EXHIBITORS.

- Adam, Meldrum & Anderson Co., Buffalo. Fancy goods.
- Aishton, G. F., Rochester, N. Y. Toy tops.
- American Express Co., Buffalo, N. Y.
- American Souvenir Co., Buffalo. Souvenirs.
- Arnold, C. D., Buffalo. Photographs.
- Austin & Craw, South Norwalk, Conn. Collar buttons.
- Beans, G., Philadelphia. Pencil Sharpeners.
- Bergman, Mrs. Thekla, Chicago. Novelties.
- Bistany, Khalil A., Buffalo. Imitation turquoise and matrix jewelry.
- Buedingen Mfg. Company, Rochester, N. Y. Puzzles.
- Buffalo Concessions Co., Buffalo. Soft drinks.
- Buffalo Sour Pepsin Gum Co. Chewing Gum.
- Buzzacott Clock Co., H. & R., Chicago, Ill. Hair clasps.
- Byrne, John, Jr., Buffalo. Souvenirs.
- Callaway, A. B., Buffalo. Old stone jewelry and burnt leather.
- Chessman, O. S., Allegheny, Pa. Jewelry.
- Chouffet, C. M., Buffalo, N. Y. Official souvenir clocks.
- Clark, D. S., Buffalo, N. Y. Games.
- Claus Shear Co., Fremont, Ohio. Cutlery.
- Cullen, R. P., New Albany, Indiana. Jewelry.
- Diefenbach, Wm., 590 Northampton St., Buffalo, N. Y. Religious goods.
- Doran, W. J., Buffalo. Paper weights.
- Dugan, F. J., S. Norwalk, Conn. Carved and burnt leather.
- Fantani, G., 394 Genesee St., Buffalo, N. Y. Embroidery.
- Fisher, The A. D. Co., Toronto. Souvenirs.
- Fleischman, Joseph, 25th & 12th St., New York City. Growing vases.
- Floss, John G., Buffalo. Jewelry.
- Foo Pan Key, Exposition Grounds. Chinese goods.
- Frascolla, C., Lakewood, N. J. Danish goods.
- Frebe, Christian, Philadelphia. Wood carving.
- Gem Cutlery Co., New York. Safety razors.
- Goldman, J., Buffalo. Metal goods.
- Gondolf, C. F., Buffalo. Spool supporters.
- Grossman, H., St. Augustine, Fla. Leather goods.
- Hall, Wilbur F., Meriden, Conn. Silver goods.
- Hathaway, Wick, Madison, Ohio. Wire nail goods.
- Heyman, E., Buffalo, N. Y. Amber goods.
- Holladay, Benton & Co., Chicago, Ill. Shoe dressing.
- Hollister, Mrs. I., Hartford, Conn. Toilet preparations.
- Hornstein, Leo, Buffalo. Austrian goods.
- Hony, Philip H. C., Sr., Buffalo. Jewelry.
- Housig, Mrs. Leopoldine, Buffalo. Jewelry, etc.
- Indian Congress, S. Midway. Indian goods.
- Japanese Village Co., Buffalo, N. Y. Japanese goods.
- Joham, Joseph, Chicago. Seaside goods.
- Johnson Co., G. T., New York. Glove and cloth cleaner, hold-a-color, pleaters.
- Kift & Co., Jos., Philadelphia, Pa. Fancy vases.
- Kimsey, J. C., Philadelphia, Pa. Long waist former.
- Lewis & Dugan, 396 Broadway, N. Y. Porto Rican goods.
- Lowrie, Mrs. Wilhelmina, Buffalo. Waist adjuster.
- Lucas, Geo. F., Allegheny, Pa. Sharpening stones.

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- Luckey, Mrs. A., Buffalo. Filagree.
- Mackoud, Elias New York. Kimonos.
- Mann & Co., C. A., Buffalo, N. Y. Holdfast screw-driver.
- Mathes, Kirke B., Buffalo, N. Y. Shell goods.
- Metzger, Mark, Denver, Colo. Agates and curios.
- Moffett, S. C., New York. Imperial cement.
- Moser, O., Buffalo. Bronze goods.
- Munyon's Remedy Co., N. Y. Soap.
- Nasr, N., Buffalo. Fans.
- National Express Co., Buffalo, N. Y. Niagara Envelope Co. Stationery.
- Nicolai, Robert J. H., Buffalo. Bisque novelties.
- New England Stamp Co., Boston, Mass. Stamps.
- New Jersey Aluminum Co. (Ampere Novelty Co.), Newark, N. J. Aluminum novelties.
- N. Y. Improvement & Mfg. Co., New York, N. Y. Waxing pads.
- Norton, Nathaniel W., Buffalo. Cards.
- Odorheart Perfume Company, Cleveland, Ohio. Perfume.
- Olney Mfg. Co., Pittsfield, Mass. Manufacturing machinists, makers of the Olney air engines for power and transmission, the "Virtuoso" piano player and scientific novelties, models, experimental work, all kinds toy engines.
- Palmeri, Frank T., Brooklyn, N. Y. Jewelry.
- Pan-American Badge and Souvenir Co., Buffalo, N. Y. Badges, etc.
- Pan-American Candy Co., Buffalo, N. Y.
- Pan-American Cane and Pipe Co., Buffalo. Canes and pipes.
- Pan-American Ry. & S. S. Information Bureau.
- Pease, C. G. & M. S., Painesville, Ohio. Wood souvenirs.
- Postal Telegraph Co.
- Powers, Lee L., Boston, Mass. Antique furniture.
- Reynolds, F. G., Buffalo. Sharpening stones.
- Robinson, Lazare A. R., San Francisco, Cal. Russian goods.
- Rosealia Mfg. Co., Sycamore, Ill. Toilet preparations.
- Russia Cement Co., Gloucester, Mass. Glue.
- Saidy, J., Buffalo. French goods.
- Sail, Achille, Oriental Village. Postage stamps, etc.
- Slinn, Lulu M., Buffalo. Engraved goods.
- Sonora News Company, Exposition Grounds. Mexican goods.
- Stephenson & Co., New York, N. Y. Skirt supporters. Don't fail to see the All-Ways ready skirt supporter demonstrated in Bazar Building. Stephenson & Co., manufacturers, New York. Agents all over the world.
- Swiss Novelty Co., Buffalo. Swiss goods.
- Sylvester, Thos. Wood and pearl novelties.
- Tator, Arthur R., Brooklyn. Rubber and chenille novelties.
- United States Express Co., Buffalo, N. Y.
- Wagner Mfg. Co., New York. Tortoise shell goods.
- Walker, Mrs. J. A. Filigree novelties.
- Weiler & Further, Buffalo. Sheet music.
- Wells, Fargo Express Co., Buffalo, N. Y.
- Western Union Telegraph Company.
- Wheeler, G. A., New York. Tops.
- Williams, Miss, & Washburn, Mrs., 112 West St., Buffalo, N. Y. Souvenirs.
- Wizard Novelty Co., Philadelphia, Pa. Tops.
- Young, Alpheus & Son. Wire jewelry.
- Zitoun, Mrs. M., Oriental Village. Oriental goods.

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FROM THE INDIAN CONGRESS



Chief Hollow-Horn-Bear

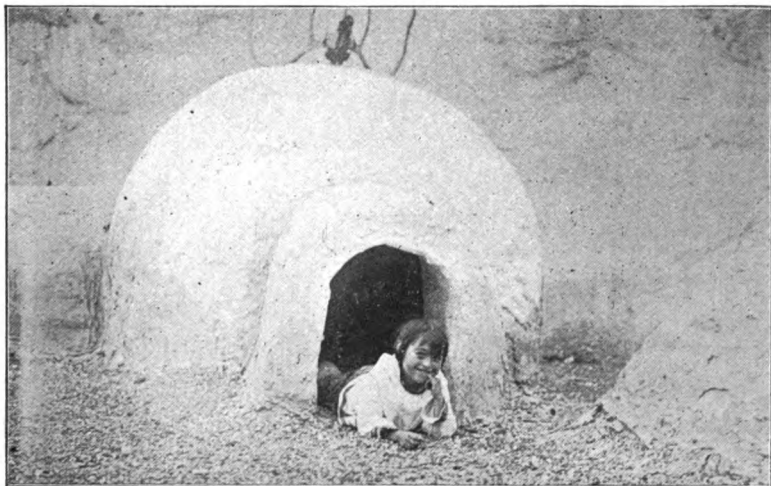
IN THE ESQUIMAU VILLAGE



"Interrupted"

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IN THE ESQUIMAU VILLAGE

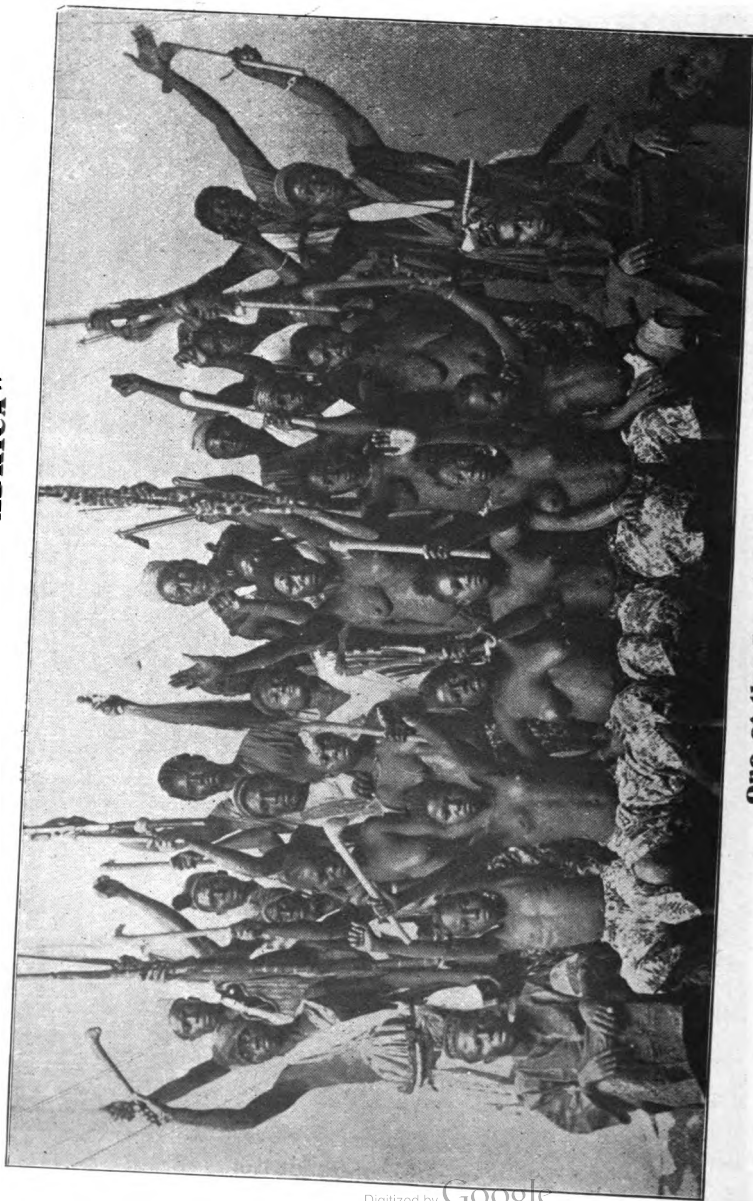


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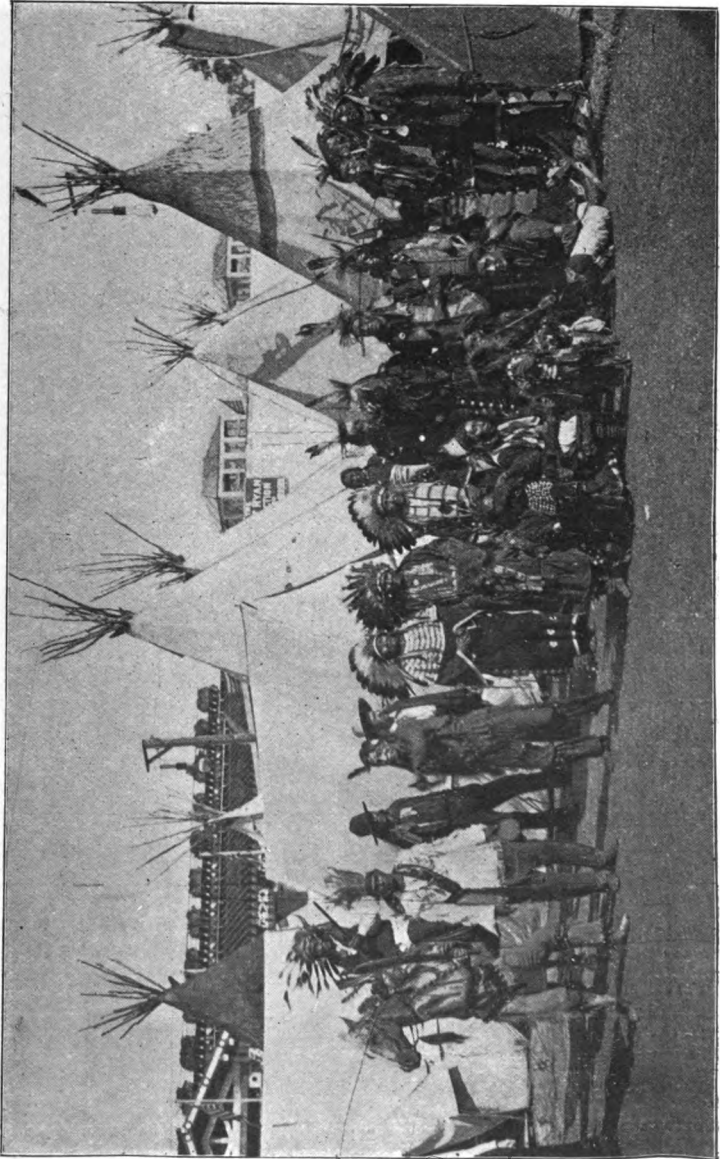
Curing Seal Skins
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IN "DARKEST AFRICA"

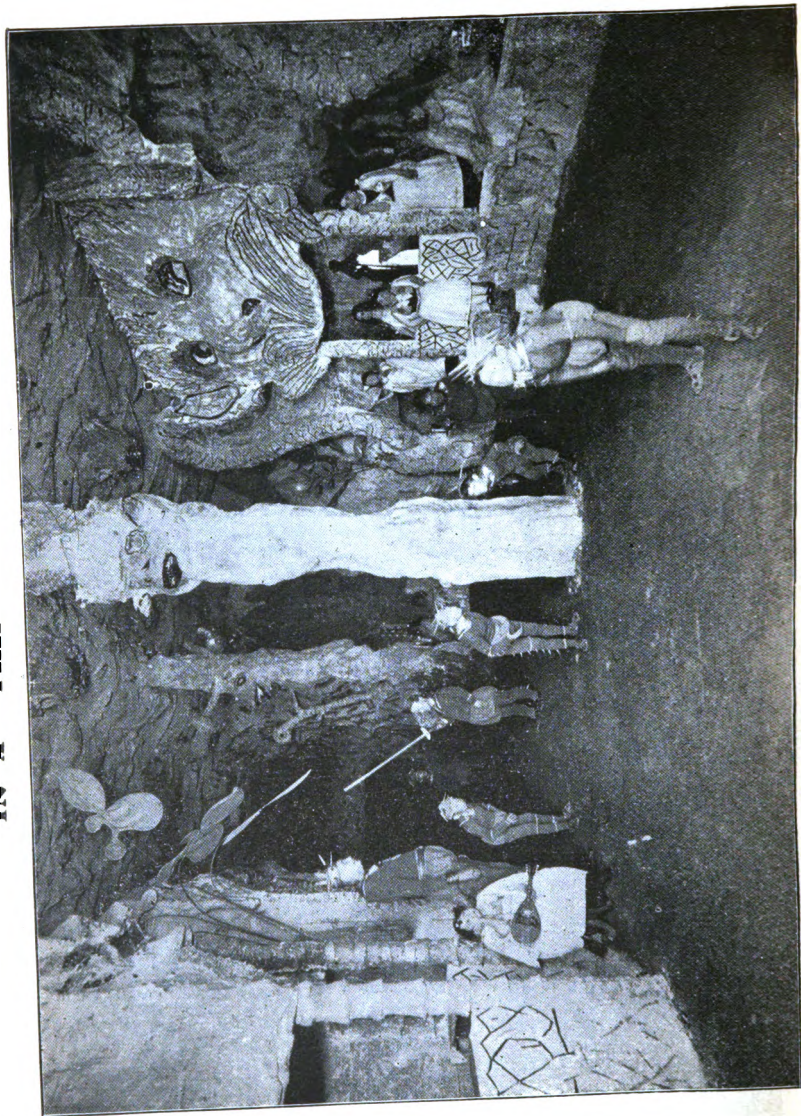


One of the Cannibal Tribes

IN THE INDIAN CONGRESS



IN A "TRIP TO THE MOON"



Scene in the Grotto



"WINONA"
World's Champion Rifle Shot,
in the Indian Congress

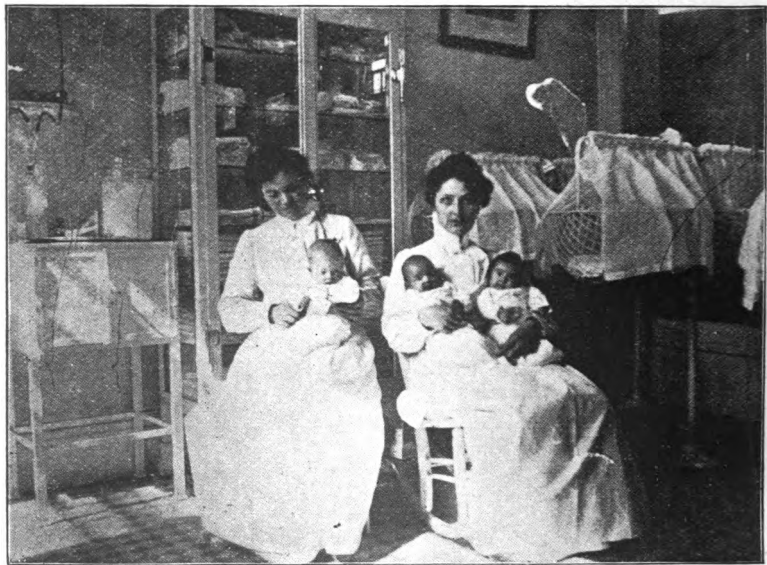


A Family in "Darkest Africa"



Artists in "Around the World"

IN THE INFANT INCUBATORS

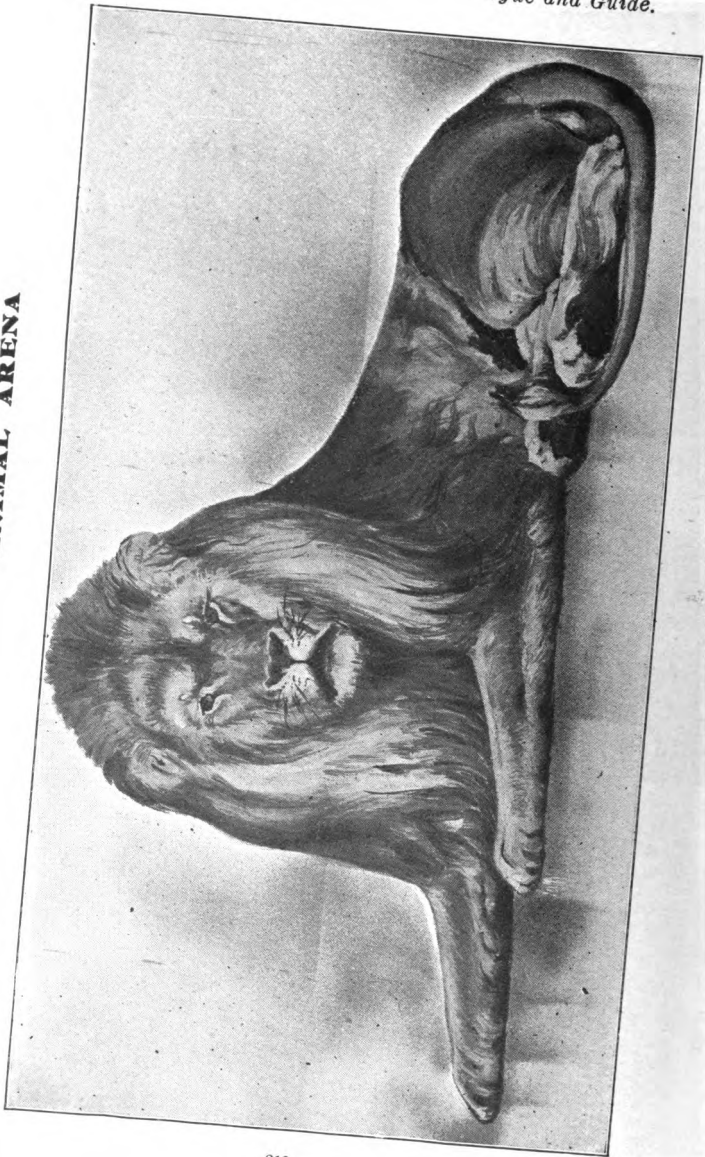


"Three Graduates"



JOHN BAKER
the hero of "The Johnstown Flood"

IN BOSTOCK'S ANIMAL ARENA



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IN BOSTOCK'S ANIMAL ARENA



Madame Plankl and Her Pets

IN DARKNESS AND DAWN

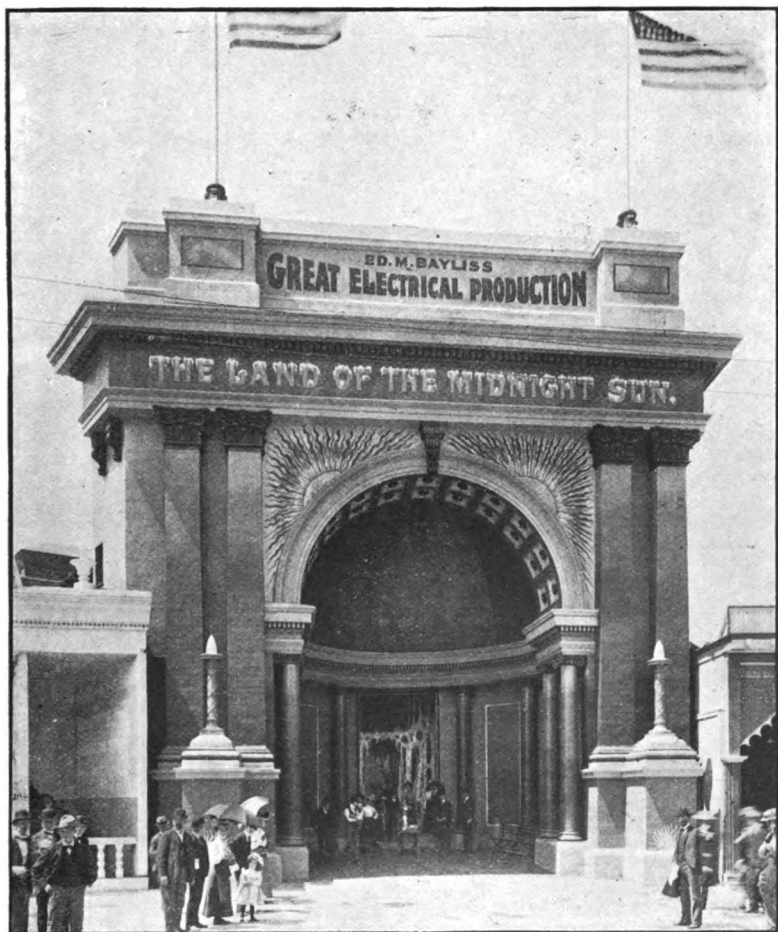


In the Cafe of the Dead

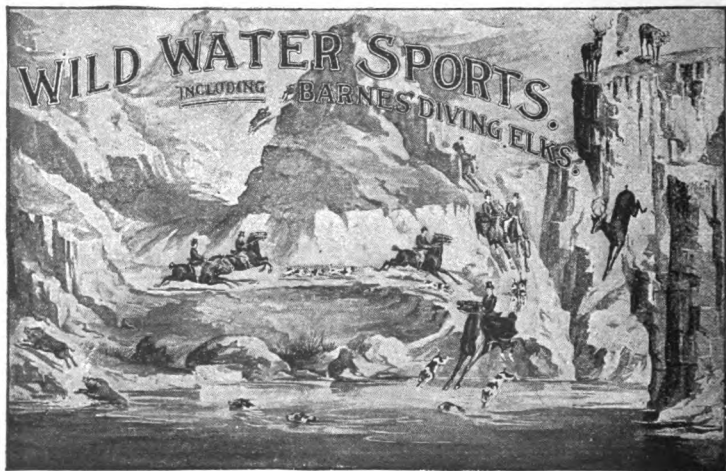


Sharon

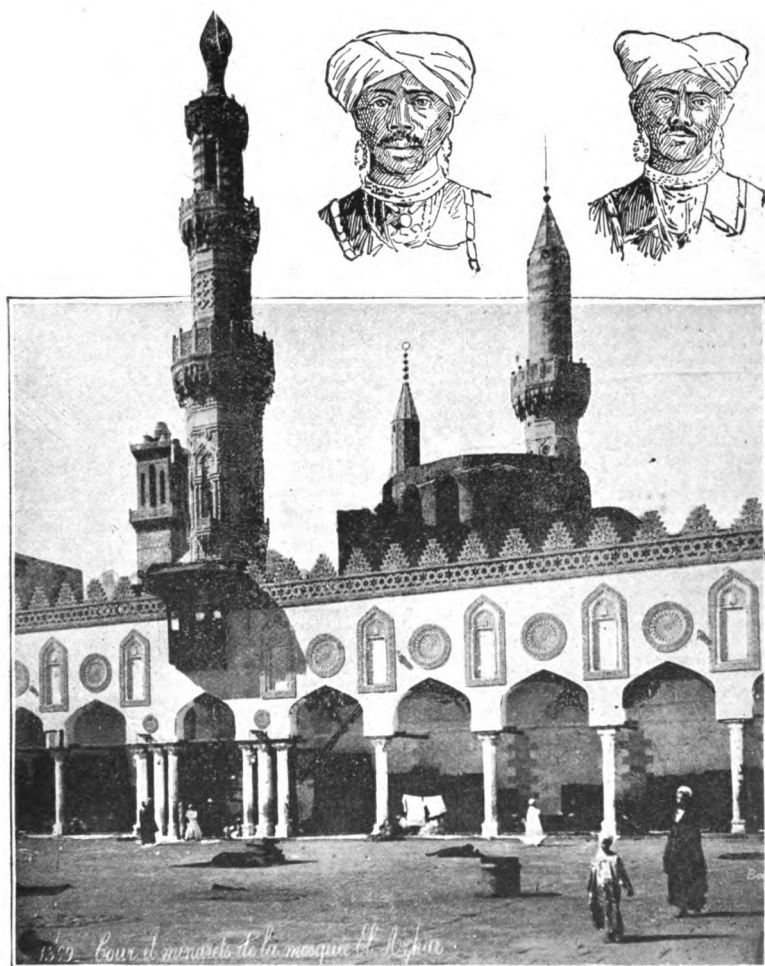
THE LAND OF THE MIDNIGHT SUN



THE MOORISH PALACE



IN AKOUN'S BEAUTIFUL ORIENT



1879. Cour et minarets de la mosquée d'Alger.

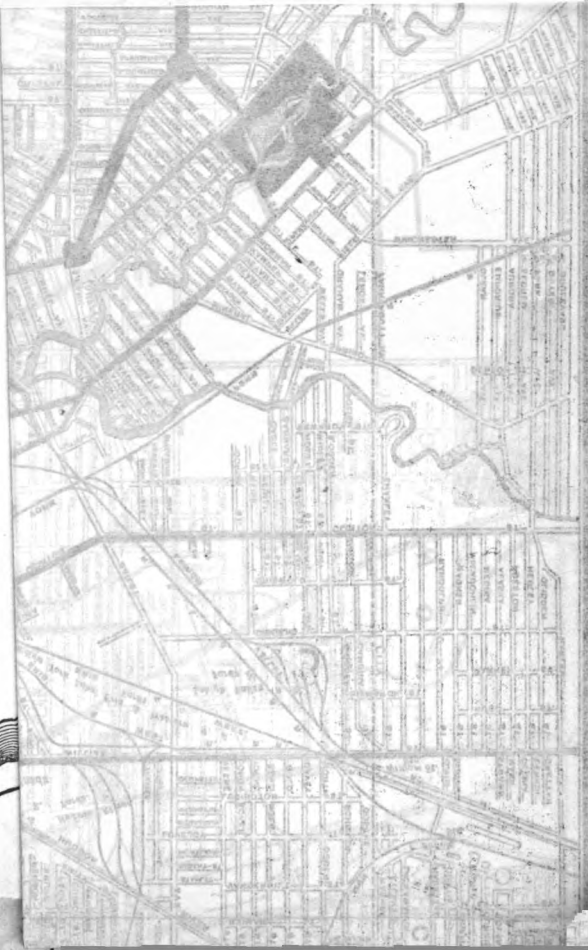
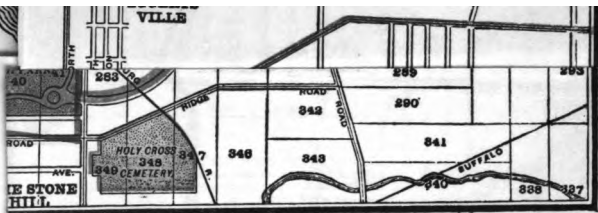
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