CONDENSED OFFICIAL CATALOGUE
of
WORLD'S COLUMBIAN EXPOSITION

INTERESTING EXHIBITS
AND WHERE TO FIND THEM
PLANS AND DIAGRAMS
OF EXHIBIT BUILDINGS.

PRICE, 25 CENTS.

CHICAGO:
W. B. CONKEY COMPANY,
Publishers to the World's Columbian Exposition.
1893
Wharton Ave.  60th St.  Ingleside Ave.  
Ellis Ave.  Drexel Ave.  
Greenwood Ave.  Ellis Ave.  
Lexington Ave.  University Grounds.  
Woodlawn Ave.  Avenue  
Sheridan Ave.  Kimbark Ave. 
Oglesby Ave.  Monroe Ave. 
Madison Ave.  Avenue  
South Park Ave.  Washington Ave. 
Edgerton Ave.  Rosalie Ct. 
Stony Island Ave.  Avenue  

WORLD'S FAIR GROUNDS
COPYRIGHTED 1893, BY W. B. CONKEY COMPANY, CHICAGO.
CONDENSED CATALOGUE

OF

INTERESTING EXHIBITS

WITH THEIR LOCATIONS

IN THE

WORLD'S COLUMBIAN EXPOSITION

ALSO COMPLETE

PLANS AND DIAGRAMS

OF ALL EXHIBIT BUILDINGS.

CHICAGO

W. B. CONKEY COMPANY,
PUBLISHERS TO THE WORLD'S COLUMBIAN EXPOSITION.
1893
Entered according to Act of Congress in the year A. D. 1893, in the office of the Librarian of Congress at Washington, D. C., by

W. B. CONKEY COMPANY, CHICAGO.
## INDEX

<table>
<thead>
<tr>
<th>Building</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Building</td>
<td>6</td>
</tr>
<tr>
<td>Anthropological Building</td>
<td>120</td>
</tr>
<tr>
<td>Art Palace</td>
<td>106</td>
</tr>
<tr>
<td>Electricity Building</td>
<td>98</td>
</tr>
<tr>
<td>Fish and Fisheries Building</td>
<td>32</td>
</tr>
<tr>
<td>Forestry Building</td>
<td>132</td>
</tr>
<tr>
<td>Horticultural Building</td>
<td>20</td>
</tr>
<tr>
<td>Krupp's Pavilion</td>
<td>93</td>
</tr>
<tr>
<td>Leather and Shoe Trades Building</td>
<td>93</td>
</tr>
<tr>
<td>Live Stock Pavilion</td>
<td>28</td>
</tr>
<tr>
<td>Machinery Hall</td>
<td>48</td>
</tr>
<tr>
<td>Manufactures and Liberal Arts Building</td>
<td>70, 112</td>
</tr>
<tr>
<td>Mines and Mining Building</td>
<td>40</td>
</tr>
<tr>
<td>Transportation Building</td>
<td>60</td>
</tr>
<tr>
<td>United States Government Building</td>
<td>138</td>
</tr>
<tr>
<td>Woman's Building</td>
<td>144</td>
</tr>
</tbody>
</table>
AGRICULTURAL BUILDING.

HOW TO FIND EXHIBITS.

The immense area occupied by the ground floor of the Agricultural Building has been laid off with a view to offering the readiest facilities to visitors to locate the exhibits. A reference to the ground floor plan will show, plainly marked, four great sections. These are lettered A, B, C and D, and that portion of the ground floor on the west side of the building is known as section E. These five great divisions contain the exhibits from the various states and territories and from some 34 foreign countries and dependencies. The state exhibits occupy nearly the whole of sections C and D on the south side while the foreign countries with a few exceptions claim the major portion of sections A and B on the north. The larger nations such as Great Britain, France, Germany and Canada make exhibits belonging exclusively to the Agricultural Department, but many of the smaller ones, among them Trinidad, the Orange Free State, Liberia, Curacao and Cuba, have in this building been granted most liberal space for the display of what is known as collective exhibits. To locate exhibits on the ground floor the following system has been adopted: Beginning at the center of the building in each section, each column is lettered from "A" down the alphabet, toward the outside of the building. Beginning with the outside, and going toward the center of the building, the columns are numbered from "1" up. The columns in each section are lettered and numbered separately; that is, for example, in each section column "I-A" can be found. The location of an exhibit is indicated by two letters and a figure such as E-E-10, which means that the exhibit having this location sign is installed in section E where the lines of columns E and 10 cross or in other words the exhibit can be found in section E on the west side of the building at the corner of E and 10th streets. The farming tools and machinery exhibitors, some two hundred in number, are all installed in section E.

On the second or gallery floor the same system of dividing the space is carried out as that adopted on the ground floor with this exception that there are only four sections, namely: F, G, H and I. The columns are numbered and lettered on the same plan and exhibits can be most easily located by following the rule given above. The gallery space is almost wholly devoted to United States exhibits. In section H will be found displays of dairy implements, flours and meals, spices and canned goods, the honey exhibits, and bee appliances. In the southwest quarter in section I will be seen exhibits of mineral waters, liquors, cigars and tobacco. Confectionery and chocolate, condensed milk, etc., and the wool exhibit are installed in section G, while section F in the northeast quarter embraces the groups of candles, soaps, etc., phosphates and fertilizing compounds and several exhibits of canned goods, etc.

THE DAIRY BUILDING.

HOW TO FIND EXHIBITS.

The exhibits in this building consist principally of butter and cheese exhibited collectively by the several states named in the accompanying diagram. On the first floor there is in front a large space devoted to the butter display made by nine states and Canada. On three sides of the operating room which extends to the roof there is a gallery where will be found all the cheese exhibits appearing in the Agricultural catalogue. In this great display some five foreign countries have participated. There are a few isolated cases of individual exhibitors in this building, but as previously stated the bulk of the exhibits may be said to be made virtually by the individual states and foreign countries. Both the ground floor and gallery are laid out so that the respective exhibits can be easily located according to the plan of installation shown in the diagram.
DEPT. OF AGRICULTURE

REFERENCE PLAN FOR LOCATING EXHIBITS IN THE DAIRY BUILDING
WORLD'S COLUMBIAN EXPOSITION

COPYRIGHTED 1893, BY THE
W. B. CONKEY COMPANY,
CHICAGO.
# INTERESTING EXHIBITS

IN

Dept. A.--Agriculture, Food and its Accessories.

## UNITED STATES.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>New York</td>
<td>American Cereal Co., manufacturers of cereal foods, Quaker oats, Quaker buckwheat and the F. Schumacher cereals. Largest cereal millers in the world. Also Chicago, Ill., Cedar Rapids, la.</td>
</tr>
<tr>
<td>2.</td>
<td>Chicago</td>
<td>Dickinson, Albert, Company, Chicago. a Pop corn. b Agriculture seeds. c Ensilage.</td>
</tr>
<tr>
<td>3.</td>
<td>Duluth</td>
<td>Duluth Imperial Mill Co., Duluth, Minn. Flour.</td>
</tr>
<tr>
<td>5.</td>
<td>Chicago</td>
<td>Washburn-Crosby Company, Minneapolis, Minn. Flour.</td>
</tr>
<tr>
<td>6.</td>
<td>Peoria</td>
<td>Wilson, Samuel, Mechanicsville, Pa., Field seeds.</td>
</tr>
</tbody>
</table>

## BREAD, BISCUITS, PASTES, STARCH, GLUTEN, ETC.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>38.</td>
<td>Oswego</td>
<td>Kingsford, T., &amp; Son, Oswego, N. Y. Starches.</td>
</tr>
<tr>
<td>47.</td>
<td>Providence</td>
<td>Rumford Chemical Works, Providence, R. I. Baking powder and preparations.</td>
</tr>
</tbody>
</table>

Horsford's cream tartar (pulverulent acid phosphate invented by Prof. E. N. Horsford), the acid ingredient of the following three baking preparations: Horsford's baking powder, Horsford's bread preparation, Rumford yeast powder. Horsford's acid phosphate (liquid, medicinal), etc.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>


**Sugars, Syrups, Confectionery, Etc.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.</td>
<td>Chicago</td>
<td>Chicago Sugar Refining Co., Chicago. a Grape sugars. b Syrups. c Glucose, gluten, etc.</td>
</tr>
</tbody>
</table>

Crystallized and other grape sugars; all grades of glucose and syrups; pearl and powdered starches; dextrine and gum; gluten-maize and bran-feed; oil and oil-cake, all manufactured from Indian corn.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>

Do not fail to visit our special building, the
INTERESTING EXHIBITS IN DEPARTMENT A—AGRICULTURE.

Confections and chocolate bonbons. An important feature of this exhibit is five statues made of solid chocolate of heroic size, weighing nearly 1,500 lbs. each, representing Columbus, Venus de Milo and Minerva. Maillat’s preparations awarded two gold medals Paris Exposition, 1889.

Exhibit 69. Root, A. I., Medina, Ohio. Bee-keepers’ supplies. H-O-4
Those interested in the production of honey can not afford to miss this exhibit.

Exhibit 71. Vermont Maple Sugar Exhibit. Maple sugar and syrup. H-1-9

Awarded gold medal at the Royal Agricultural Show, Liverpool, England, 1892.

Exhibit 77. Armour & Co., Chicago. a Canned meats. D-A-1
b Canned soups.
c Extract of beef.

"Silver Thread" known to the trade as the highest possible standard of excellence. Sales largest of any brand made.


Exhibit 82. Cudahy Packing Co., South Omaha, Neb. a Canned meats. D-D-0
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Exhibit Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>113.</td>
<td>I-K-1</td>
<td>Boyd, John, Chicago.</td>
</tr>
<tr>
<td>142a.</td>
<td>H-C-1</td>
<td>Seaman, Cox &amp; Brown Cooperage Co., Chicago. Kegs and barrels. For liquor, cider, white lead, butter, etc.</td>
</tr>
<tr>
<td>143.</td>
<td>H-I-1</td>
<td>Sharples, Philip M., Elgin, Ill. Cream separators. Has built over half the separators now in use in the United States. The bowl alone revolves. Offices: Elgin, Ill.; West Chester, Pa., and Council Bluffs, Iowa. No engine is needed to run these machines. A jet of steam striking the bowl furnishes power.</td>
</tr>
<tr>
<td>153.</td>
<td>E-C-2</td>
<td>Baron Machine Co., Baltimore, Md. Cigar bunching machine. The only practical long-filler machine in commercial use. 28 of them in one factory in New York; saves over $175 a day.</td>
</tr>
</tbody>
</table>
| 162.        | I-1-7    | Ellinger, Julius, & Co., New York. Cigars. Specialty made of clear Havana cigars at...
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.


Have 29 branches in the principal cities in the U. S. Have 36 medals and awards, including gold medal at Paris, 1889. Factories have over 10 acres of floor space.

171. Kerbs, Wertheim & Shiffer, New York. Cigars. Manufacturers of the "La Flor de General Arthur" cigars. Their output of cigars for the year 1892 was 50,000,000.

175. Kyriazi freres, Cairo, Egypt. Cigarettes. I-F-8

Largest shippers of Egyptian cigarettes.

177. Lorillard, P., Co., Jersey City, N. J. a Tobaccos. I-B-9

b Snuff.


185. New England Tobacco Growers' Ass'n, East Hartford, Conn. Leaf tobacco. I-G-8

President H. S. Frye, Poquonock, Conn. Exhibit made by 150 Connecticut farmers.


Finest clear Havana cigars and largest variety, with Havana filler and Sumatra wrapper, hand-made. "Mountain Rose" and "Hazel Kirke" are our leading brands.


Manufacturers of "La Flor de Portuondo" Cuban hand-made cigars. Pure and free from artificial flavor, unsurpassed in quality, mellowness and aroma. Beware of imitations. Address 1110-1116 Sansom St. W.


Manufacturers of clear Havana Key West and fine New York seed and Havana cigars. Medal and certificate of special mention at Centennial Exhibition, Philadelphia, 1876, for excellence of quality and workmanship. Factories: Key West, Fla., and New York.


Havana cigars made of the choicest vega of Vuelta Ábajo tobacco. Sold in every state and territory in the union. Offices, 159-161 So. 5th Av., New York; 60 Wabash Av., Chicago; Animas 180 Havana, Cuba. Our fac-

Animal and Vegetable Fibres.

208. Eagle Cotton Gin Company, Bridge-water, Mass. Cotton gins, conveyors press, etc. E-Q-1

(Formerly Bates, Hyde & Co.) Est. 1888, inc'd 1877. Sole mfrs. of the celebrated Eagle cotton gins, feeders and condensers, well known for superior workmanship and durability. In general use in every cotton growing country in the world. Complete suction elevator system, etc.


Manufacturers of Munger's patent gins, feeders, condensers, suction, elevators, cleaners and distributors, revolving double-box self-packing presses, flue system of handling lint cotton, seed blowing elevators and gin saw sharpeners.


219a. Woman's Silk Culture Ass'n, Philadelphia.

a Silk products representing silk culture in the United States. C-E-3

b Cocoons. C-E-3

c Silk flags and American made reels.

Pure and Mineral Waters, Natural and Artificial.


Natural soda water, from "Manitou" springs, recharged solely with natural carbonic acid gas. Ginger root and fruit flavors, with natural soda water, recharged solely with
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

**Exhibit No.**

natural carbonic acid gas. Natural iron water from Ute Iron Spring, Manitou; bottled at springs, not carbonated.

229a. **Morgan, John, New York.** Mineral water.

Of superior quality and recognized merit, and will satisfy the most exacting tastes. "I know of no tonic," said an old epicure, "like good mineral water. It gives life a rosy tinge; makes a man pleased with himself and satisfied with his neighbors." Drink our mineral waters.

231. **Ricker, Hiram, & Sons, South Poland, Me.** Mineral water. I-B-6

Handsome illustrated catalogue of Poland Spring can be had at our exhibit.


Salutaris is a natural gaseous alkaline table water of absolute purity. It may be drank copiously, year after year, with the best effects. Is a preventive of disordered conditions of the bowels, and valuable in the preservation of health in districts exposed to malaria and epidemic.

234. **Schmidt, J. P. C., Green Bay, Wis.** Mineral water. I-E-4

Acknowledged by all leading physicians the most effective and pleasant remedy for kidney, liver and stomach diseases.

237. **Waukesha Lithia Spring Co., Chicago.** Mineral water. I-G-6

Whiskies, Cider, Liqueurs and Alcohol.


Distillers of Old Fashion, Hand Made, Sour Mash Bourbon, and Rye whiskies. Own the celebrated brands "J. W. Harper" and "Old Continental" whiskies. Gold medal at New Orleans Exposition. Recognized as the largest distributors of fine Kentucky whiskies in the U. S. Annual sales about $3,000,000.


Double copper distilled from the choicest of rye and barley malt obtainable; absolutely pure; acknowledged by the trade and connoisseurs as the old reliable and the standard of perfection; medal awarded at Paris Exposition, 1878.


250. **Lockhart Chemical Co., Chicago.** Orange cider. H-G-9

Manufacturing chemists. Pure flavoring extracts, proprietary medicines, toilet and household articles, inks and mucilages.

Specialties: California orange cider, wild cherry phosphate and aromatic ginger ale. Laboratory and office, 3841 Vincennes ave.


"Old Times," "Kentucky Comfort," "Gladdstone," finest grades sour mash; extensively used medicinally owing to their well-known purity. See process of distillation at "Distillery Exhibit," the recognized headquarters for everything pertaining to the distilling interests of Kentucky.

259. **Wolfe's, Udolpho, Son & Co., New York.** Schnapps. I-H-4

Wolfe's Schiedam Aromatic Schnapps has been so long favorably known that no encomiums upon it are needed. Since its introduction millions of bottles have been sold, largely to families. In compounding medicines it is largely used as a stimulant, and is just as efficient by itself.

Malt Liquors.

260. **Anheuser-Busch Brewing Association, St. Louis.** Lager beer. 1-M-10

263. **Bergner & Engel Brewing Co., Philadelphia.** Beer, ale, porter. I-M-9

270. **Lemp Brewing Co., William J., St. Louis.** Beer. G-M-9

Brewers of the world-renowned Lemp's Extra Pale, Standard and Cumbacher; shipped to all parts of the globe, both in wood and glass. Capacity 750,000 barrels. Annual sales 500,000 barrels and 10,000,000 bottles. Orders solicited. A hearty welcome to all to inspect our plant at St. Louis.

272. **Mayer, David, Brewing Co., New York.** Lager beer, ales. I-O-4

Highest award, Philadelphia, 1876; American Institute, N. Y., 1891-1892.

273. **Moerlein, Christian, Brewing Co., Cincinnati.** Lager beer. 1-M-7

276. **Pabst Brewing Co., Milwaukee, Wis.** a: Malt extract. 1-M-10

b: Beer.

278. **Schlitz, Jos., Brewing Co., Milwaukee, Wis.** Lager beer. I-H-5

280. **Stroh, B., Brewing Co., Detroit, Mich.** Lager beer. G-M-6

282. **Voigt Brewery Company, The, Detroit, Mich.**

a: Extract of malt. 1-M-8

b: Beer.
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Machinery, Processes and Appliances of Fermenting, Distilling, Bottling and Storing Beverages.


Farms and Farm Buildings.

310a. White, W. R., Bloomington, Ill. Farm gates, etc. Fence exhibit $1,800 worth sold in a county, $20,000 worth sold in onetown. See us. One state a fortune.

Literature and Statistics of Agriculture.

310b. Agricultural Colleges and Experiment Stations of the United States (in cooperation with the United States Department of Agriculture). Publications and charts; equipment and lines of work of individual institutions; appliances and methods of instruction in agriculture, horticulture, chemistry, biology, mechanic arts, mechanical engineering, domestic and fine arts in agricultural colleges; methods and results of experiments by agricultural experiment stations. M-M-3

Farming Tools, Implements and Machinery.


311. Aermotor Company, Chicago. Windmills, feed grinders and cutters. Windmill ex. For farms, villages, railroads, irrigation and electric lighting plants. Windmills and towers all steel, all galvanized. Railroad and farm tanks, pumps, feed grinders, cutters and water supply fixtures. The originators of the modern steel windmill, steel fixed and tilting towers.


a Windmill, pumps. Windmill ex. E-M-11

b Steam ditches. E-M-11


a Hay press.

b Hay cutters, horse power and jack. The credit for this neat exhibit really belongs to Montgomery Ward & Co., Chicago agents for the A. A. A. Co. This firm has an exhibit in this building, as well as an exhibit of road grader and scrapers in the Transportation Building. Their salesrooms at Michigan avenue and Madison street, Chicago, cover 9 floors, 150x165 feet, and contain 750 employes. Their sales are nearly one million dollars each month, and the peculiar feature of their business is that they sell to the out-of-town trade exclusively. Visitors are invited to inspect their establishment.

323. Astor, John Jacob, New York. Road improver. E-E-10

A light two-wheeled machine, with axle geared to operate a powerful rotary blower producing an air-blast readily directed by the driver to entirely remove or deposit at the side of the road all dust and worn-out road material.


a Straw stacker.

b Threshing machines.

c Traction engine.


a Steam generator, feed mills and cutters.

b Road machines and rollers.

See the goods marked B at our exhibit in the Transportation Annex, Section A-10.

331. Bateman, E. S. & F., Greenloch, N. J.

a Cultivators and plows. E-O-1

b Drills.

"Iron Age" trade mark adopted 1875. Business established in 1886.


Chilled plows, riding plows, gang plows, patent reversible share plows, "O" series sloping landside plows.

343. Bowsher, N. P., South Bend, Ind. Feed mills. E-E-4

Conical shaped grinders. Entire departure from all others. Lightest running, strongest and handiest made. With or without baggers. All sizes. Time-proven.


a Plows, cultivators and harrows.

b Stalk cutters.

Makers of "Garden City Clipper" plows and other agricultural implements for over half a century. These plows are known the world over for two things—correct shape and a uniformly hard temper.
Exhibit
No.
    a Plows.  
    b Harrows.  
    c Land rollers.  
Imperial chilled and steel, hand sulky and gang plows, all sizes. Steel and wood bar- 
lever-harrows, tubular land rollers, etc.
    a Hydraulic cotton and wool baling 
      presses.  
    b Cotton seed oil mill machinery.  
Threshing machines and peanut machinery.
Plug and smoking tobacco machinery.
    Method of constructing roads.  
62d St. Entrance
This system of street construction averages in original cost 40 per cent. cheaper than 
granite and 20 per cent. cheaper than asphalt. As the rails relieve the street of 70 
per cent. of the wear, it is thus more durable than either and less expensive in main-
tenance. Address Equitable Building, N.Y.
    a Plows.  
    b Cane mills, evaporators and kettles.  
Chilled metal turning plows. 
Special patterns for export trade.
    Plows and cultivators.
    Harvesting machinery.  
Manufacture grain binders, reapers, mow-
ers, and grain binder twine. Works the 
largest of the kind in the world. The origi-
nal makers of elevator harvesters and first 
to bring out a successful automatic twine 
binder. Deering machines are noted for 
light draft, strength and capacity.
381. Eclipse Wind Engine Company, 
    Beloit, Wis.  
    Windmill.  
    Eclipse pumping and geared windmills. 
    Beloit steel mills and towers, stock tanks.  
    Creamery tanks.  
Windmill machinery.
383. Emerson, Talcott & Co., Rockford, 
    Ill.  
    Mowers, tedders, rakes.  
Also manufacturers of horse corn planters, 
check rippers, cotton planters, cultivators 
and side delivery hay rakes.
384. Empire Drill Co., Shortsville, N. Y.  
    Grain drills, planter sower.
390. Famous Manufacturing Company, 
    Chicago.  
    Baling presses.  
“Champion” baling presses, steam, horse 
and hand power, for baling hay, straw, cot-
ton, excelsior, shavings, moss, tin and paper 
scrap, dry goods, fruit, vegetables and all
Exhibit
No.
    a Plows, harrows and cultivators.  
    b Corn planter and grain drill.  
    c Rake separator.  
    d Thresher and vibrator.  
    e Corn sheller, portable engine.
394. Flint & Walling Manufacturing Co., 
    Kendallville, Ind.  
    Windmills and attachments.  
Windmill ex.
Star windmills, steel Star windmills, pumps 
and water works goods.
    a Corn planters.  
    b Corn harvesters.  
    c Corn shellers.  
    d Farm mills and grinders.
    Tillage implements.  
Plows, cultivators, harrows, hay rakes, seed-
ers, etc. 14 first prize medals.
405. Grand Detour Plow Company, Dixon, 
    Ill.  
    Plows, harrows and cultivators.
409. Haworth & Sons, Decatur, Ill.  
    Corn planter, check rower.  
    Front and rear covering wheel corn planter, 
    Haworth’s. The original check rower, cross 
    and side wires. Drill and fertilizer 
    attachments.
    Check row and combined drill planters, 
    shoveling boards, etc.  
Hayes check row planters.
Eclipse combined planters.
“Boss” and “Daisy” shoveling boards.
Hot water heating apparatus.
    Oats cleaner.  
    Highbie patent automatic, with double screens, 
    for private and public stables. Size, 7 feet 
    long, 14 in. wide, 10 in. deep. Built from 
    strictly clear, kiln dried whitewood, with galv. 
    wire screens. Price $25.00 each. Sent C. O. 
    D. to any part of the U. S. Can be returned 
    same way in 10 days if not satisfactory.
416. Hoover & Prout, Avery, Ohio.  
    a Potato digger.  
Greatest in capacity, efficiency and lasting 
qualities. Separates vines, weeds, etc., from 
the potatoes; no other digger attempts this.
    b Potato sorter and sprouter.  
The only sorter on the American market.
    Corn shellers.  
Manufacturers of the “Eureka” and other 
power corn shellers, horse-power, etc.
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Exhibit No. Location
434. Lean, R., & Son, Mansfield, Ohio. Harrows. E-Q-11
Makers of Zigzag, Diamond and lever adjustable tooth all-steel harrows, suitable to all classes of soil throughout the world. Established over twenty years.
b. Grain drills; seeders.
c. Hay rakes.
d. Cider mills and hand carts.
McCormick binders, reapers and mowers are used wherever grain and grass are grown. Their sales are enormous, their works turning out a complete machine every minute. They always lead in improvements, and have won the grand prizes at all the World’s Fairs and great Expositions ever held.
We manufacture harvesters, binders and mowers adapted to every market in the world. Unexcelled for durability, simplicity, and lightness of draft. Do not fail to see our exhibit and get catalogue.
Makers of the celebrated Flying Dutchman Sulkay Plow. The first three-wheel plow made, and the best plow made to-day. Also riding and walking gangs of all descriptions for every variety of soil.
b. Corn planter.
Makers of the first combined corn planter with drill at no extra charge. Also corn, cotton and beet drills, and riding and walking listers for corn and wheat. See exhibit in agricultural annex, section 18.
Morgan spading harrow; the best rotary harrow made; 3 styles, 7 sizes, with seeder attachment. Morgan spading cultivator. Morgan lock lever, spring-tooth harrow. The Morgan grape and berry hoe is indispensable to the vineyardist.

Exhibit No. Location
b. Reaper, mower and binder, hay rake. Established 1845. We manufactured the first successful reaper, and to-day our Triumph mowers, reapers and binders are unsurpassed; examine the Morgan horse hay rake. Western office, 248 Johnson Street, Chicago.
b. Iron pumps. Iron force pumps for hand and windmill use; windmill regulators, spray pumps. Reversible hay carriers for wood or single and double steel track. Hay forks, pulleys, etc.
b. Mowers, harvesters, binders, hay rakes and tedders.
468. Pirch, August, Los Angeles, Cal. Irrigation and ditching plow. E-L-11
All purpose reversible side hill plow.
470a. Pope, R. C., Chicago. Reversible street and road rollers. South of Annex Ninety per cent less cost than steam roller. Has proportional diameter overcoming the resistant and pulling forces, reversible tongue, anti-friction bearings. Explodes the old theory that heavier rollers produce the best results. 41 cities have adopted this roller in place of steam rollers.
Located south of agricultural building. Dealers in fancy poultry, food and supplies. The only incubator and brooder combined. Write for catalogues.
Oldest and most reliable manufacturers of ensilage cutters and horse powers in the U. S. Ensilage book and catalogue free.
b. Corn sheller and baling press.
Sandwich power corn shellers are made in five sizes, ranging in capacity from 40 to 600 bushels per hour. Capacity of machine shown, 350 bushels per hour. Southwick baling press—machine shown is model one-fourth size. American harvester—the latest. New features of greatest value.
INTERESTING EXHIBITS IN DEPARTMENT A—AGRICULTURE.

Exhibit No.

489. Smalley Manufacturing Company, Manitowoc, Wis. Ensilage and feed cutting machinery. E-E-7
Make a full line of ensilage and fodder cutting machinery, including cutters, all sizes and capacities; prices, $25 to $300. Carriers any length and style to suit special silos; powers, 2, 4 and 6-horse sweep; 1, 2 and 3-horse treads; 2, 4 and 6-horse engines. Ensilage pamphlet and catalogue free.

492. South Bend Chilled Plow Company, South Bend, Ind. Plows and cultivators. E-P-11
Walking and riding plows for all nations.

505. Syracuse Chilled Plow Works, Syracuse, N. Y.
   a Plows and cultivators. E-1-10
   b Hay forks.

510. Union Iron Works Co., Newark, O.
   Traction engine. Traction engine exhibit Our traction engine is a world beater. More work; less steam; less repairs; easier handled. Patented features. Gearing on independent frame; adjustable friction, saving machinery from strain; automatic governor; double speed, double power; changeable at will from the foot board.

   a Hay stacking and carrying apparatus. E-R-6
   b Corn grinders and shellers and bone grinder.

   a Hay stacking and carrying apparatus. E-R-6
   b Corn grinders and shellers and bone grinder.

The goods here exhibited represent but a few of the many lines manufactured or sold by this firm. Twenty-one years ago we originated the plan of supplying consumers at wholesale. Out-of-town trade only. Capital, $2,500,000; employees, 750. Receives the largest mail in the U. S. and carry a million dollar stock of goods. Large catalogue given to visitors or mailed for 15 cents. Michigan Ave. and Madison St.

513. Warder, Bushnell & Glessner Co., Chicago. Mower, Reaper and harvester. E-L-7
Factory at Springfield, O. The Champion, the latest improved and most novel of grain binders and mowers; light, every way practical, most durable; unlike other machines for this purpose; complete departure from old-time methods. The most interesting exhibit in the agricultural department.

Exhibit No.

513a. Western Wheeled Scraper Co., Aurora, Ill. Road machines, wheeled scrapers and model roads. E-R-1, Sec. C

517. Whitman Agricultural Co., St. Louis.
   a Tread horse power. E-N-5
   b Drill and sower.
   c Baling presses; corn shellers.
   d Cider mills.

Whitman's baling presses. Victorius throughout the world. Have never been beaten in a contest. Manufacture a full line.

We manufacture bone mills for hand and power. They will grind raw bone, green or dry. For the poultryman, farmer, gardener, fertilizer and manufacturer. Also feed mills. Medals and diplomas awarded wherever exhibited. Send for illustrated circulars and testimonials, or call upon us.

   Harvester, binder, bundle carriers, mowers and hay rakes. E-J-4


Mowers, reapers, binders and hay rakes.

Miscellaneous Animal Products—Fertilizers and Fertilizing Compounds.


   Nitrates of soda, potash, etc. F-C-1
   Importers and agents for Permanent Nitrate Committee of London.

531. Swift and Company, Chicago. F-E-1
   a Glue, horns, hools and bone.
   b Fertilizing material.

Fats, Oils, Soaps, Candles, Etc.

   Cotton seed oil and products. C-H-0
   Refined cotton seed oils. Winter and summer white, winter and summer yellow. Salad oil, cooking oil and miners' oil. Cot-
   toline, a vegetable cooking fat, made of refined cotton seed oil and purified beef suet.

   "Geyserite" an original toilet soap. Cleans and heals quickly. It acts perfectly in all waters. Correspondence solicited. Agents wanted in all parts of the world.

195
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Poultry and Birds.


569. Williams, A. F., Bristol, Conn. Incubators. Incubator Bldg. The Improved Monitor Incubator is made on scientific principles, and none but first-class mechanics are employed in its construction. The material used is the very best. The regulator is simple and works perfectly. First premiums at all great fairs and expositions. Large catalogue free.

Salts, Sulphur, Fertilizers, Pigments, Mineral Waters and Miscellaneous Useful Minerals and Compounds.


Motors and Apparatus for the Generation and Transmission of Power—Hydraulie and Pneumatic Apparatus.


Miscellaneous Hand Tools, Machines and Apparatus Used in Various Arts.


575a. Wolf, Sayer & Heller, Chicago. Meat market supplies. Manufacture the Model Cooler; guaranteed perfect dry air at least cost of ice.

Scales, Weights and Measures.

579. Chicago Scale Co., Chicago. a Commercial scales. Dairy Bldg. The only make in this exhibit. b Stock or wagon scales. Stock Pav. Recognized by the world as a standard. The only make of scales used in the International stock exhibit. Boulton’s Stock Rack. c Chemists’ scales. Laboratory. The only make used in this department.

Heating and Cooking Apparatus and Appliances.


ALGERIA.

Location—Sec. A.

26a. Amoros, Pedro, Oran. a Manufactured tobacco. b Cigars and cigarettes.

32. Jobert, G., Mostaganem. a Manufactured tobacco. b Cigarettes.


70. Fayolle, du Monsties, Oued-el-Elleleng. Liqueurs and sweet wine cordial.


ARGENTINE REPUBLIC.

Location—Sec. B, N. W. Quarter.


1245. Schumann, Teo, Buenos Ayres. Wild animal skins.


### INTERESTING EXHIBITS IN DEPARTMENT A.-AGRICULTURE.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Exhibit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AUSTRIA.</strong></td>
<td>Location—Sec. B, N. W. Quarter.</td>
</tr>
<tr>
<td><strong>AUSTRALIA.</strong></td>
<td>Location—Sec. A, N. E. Quarter.</td>
</tr>
<tr>
<td>4.</td>
<td>Currie, John, Titanga and Gala, Lis-more. Wool and fedeeces.</td>
</tr>
<tr>
<td><strong>BELGIUM.</strong></td>
<td>3. Candeil, Ch., Brussels. Chocolate and confectionery.</td>
</tr>
<tr>
<td><strong>BRITISH GUIANA.</strong></td>
<td>Location—Sec. B, N. W. Quarter.</td>
</tr>
<tr>
<td>88.</td>
<td>British Guiana Commission. White sapphires, diamonds, diamondiferous clay, sand and gravel, placer gold and pay dirt worked for placer gold, placer ore, bed quartz, quartz, vein ore and auriferous quartz, sections of gold bearing strata.</td>
</tr>
<tr>
<td>121.</td>
<td>British Guiana Commission. a Logs of Towaronozer timber, black greenheart, mora, bullet wood, purple heart, locust, hoobobbali, kabukalli, kakarali, tonka bean, iron wood, sayu, horse eye, pakooerie, wallaba, waibaima, crabwood, yellow sirauballi, souari, wamara, monkey pot, moraballi, kautaballi, buhurada, yellow greenheart, hackia, eta palm, tooroo palm, manicole palm and letter-wood.</td>
</tr>
<tr>
<td></td>
<td>b Wallaba shingles, Venetian blind, inlaid work-box, panels, inlaid tables, etc.</td>
</tr>
<tr>
<td></td>
<td>c Letter-wood frames, rulers, walking sticks, paper knives, etc.</td>
</tr>
<tr>
<td></td>
<td>d India rubber, locust and Hiawa gums.</td>
</tr>
<tr>
<td></td>
<td>e Castor oil, carapa, baracara and horse eye seeds, monkey pots, tonka beans, etc.</td>
</tr>
<tr>
<td></td>
<td>f Medicinal barks.</td>
</tr>
<tr>
<td></td>
<td>g Wallaba vats, tubs.</td>
</tr>
<tr>
<td></td>
<td>h Baskets.</td>
</tr>
<tr>
<td></td>
<td>i Buttressed and hollow trees in sections, climbing stems.</td>
</tr>
<tr>
<td></td>
<td>j Model of punt and floating timber.</td>
</tr>
<tr>
<td><strong>CANADA.</strong></td>
<td>Location—Sec. A, N. E. Quarter.</td>
</tr>
<tr>
<td>13y.</td>
<td>Cameron, Augus, McPherson’s Office. Cheese.</td>
</tr>
<tr>
<td>2.</td>
<td>gold, 2 silver, 3 bronze medals and 11 diplomas awarded for superior excellence.</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Exhibit No.
59. Labatt, John, London, Ont. Ales and stout. In bottles and on draught. Guaranteed brewed only from hops, Canada barley malt and pure spring water. Gold, silver or bronze medals awarded wherever exhibited at the world’s exhibitions of United States, 1876; Canada, 1877; Australia, 1877; France, 1878; England, 1886; West Indies, 1891.

79. Massey Harris Co., Ltd., Toronto. a Cultivators, harrows, ploughs.
b Seeders, drills.
c Binders, reapers, rakes, mowers, tedders.
d Thresher.
Branches and agencies in all parts of the world. Largest makers under the British flag. Largest exporters in the world.
83. Sawyer & Massey Co., Ltd., Hamilton, Ont. a Thresher.
b Traction engine.

CAPE OF GOOD HOPE.
Location—Sec. A, N. E. Quarter.
7. Cape of Good Hope. a Buch tea.
b Tobacco.
c Cigars.
33. Cape of Good Hope. a Knysna woods and canes; Basuto land curios.
b Bark.
c Gum.
d Buchu leaves and aloes.

CUBA.
Location—Sec. B, N. W. Quarter.

CURACAO.
Location—Sec. B, N. W. Quarter.
28. Camera de Comercio, Santiago de Cuba. Collection of minerals with maps, plans, etc.

Exhibit No.

DENMARK.
Location—Sec. A, N. E. Quarter.

ECUADOR.
Location—Sec. A, Main Floor.
94. Roggeroni, Noriega & Luis, Guayaquil. Brandy, anisette, cognac, etc.
106. Ecuador, Government of, Quito. Construction wood. (500 samples.) a Red bark carasarilla. b Caoutchouc, gums, resins, wax, copal. c Vegetable ivory (Tugua), palm, laurel. d Valeriana, zarzaparrilla, vanilla, muscum, guayusa, romerillo, guillucaspis.—Main floor, B
114. Valenzuela, Jose, Guayaquil. Herbs and liquid for the cure of poisonous bites.

FRANCE.
Location—Sec. A, N. E. Quarter.
36. Chevalier, Ch. L., Puteaux (Seine). Canned food.
### INTERESTING EXHIBITS IN DEPARTMENT A. AGRICULTURE.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>31a. Popp &amp; Becker, Drs., Frankfort-on-Main. Apparatus for the sterilization of milk, soups, fruits and other substances.</td>
<td></td>
</tr>
<tr>
<td>44. Stein &amp; Koester, Mayence. Hops.</td>
<td></td>
</tr>
</tbody>
</table>

### GREAT BRITAIN.

Location—Sec. A, N. E. Quarter.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepared by chemists.</td>
<td>Custard and egg powders.</td>
</tr>
<tr>
<td>Chemically accurate.</td>
<td>5 prize medals, London, Brussels, Edinburg, etc. Free from alum in any form.</td>
</tr>
<tr>
<td>Preserved meats, vegetables and soups.</td>
<td></td>
</tr>
<tr>
<td>25. Birmingham Vinegar Brewery Co., Ltd., Birmingham. Table sauces, pickles, spices, etc.</td>
<td></td>
</tr>
<tr>
<td>Aerated waters.</td>
<td></td>
</tr>
<tr>
<td>Pure Malt. Distillery, County Antrim, Ireland. Offices, Belfast, Ireland; Camomile St., London. Supplied at The Great White Horse Inn, World’s Fair.</td>
<td></td>
</tr>
<tr>
<td>London office, 62 and 63 Mark Lane. “Pure Pot Still” from native malt; output 30,000 gallons per week. See the Irish Round Tower. Representatives and agents for Chicago, Delaney &amp; Murphy, 10 and 12 Wabash Ave.</td>
<td></td>
</tr>
<tr>
<td>74. Allsopp, Samuel, &amp; Sons, Ltd., Burton-on-Trent. Ales and stout. Brewers and bottlers of India pale ale and extra stout. (The Red Hand brand.)</td>
<td></td>
</tr>
<tr>
<td>79. Foster, M. B., &amp; Sons, Ltd., London. Beers.</td>
<td>The “Bugle” brand bottled beers are the most celebrated in the world, are to be had in the leading ports of both hemispheres, and are the only British beers supplied by the Wellington Catering Co., Chicago Ex-</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>473.</td>
<td>Martinez, Antonio, Zongolica, Vera Cruz.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Laming, J., &amp; Sons, Rotterdam.</td>
<td>Cheese.</td>
</tr>
</tbody>
</table>

**GREECE.**
Location—Sec. C, S. E. Quarter.

1. Coulouriots, Panagiotis, Athens.  
   a) Tobacco.  
   b) Cigarettes.


**GUATAMALA.**


**HONDURAS.**
Location—Gal. F, S. W. Quarter.

   a) Tobacco.  
   b) Cigars.

**ITALY.**
Location—Sec. D, S. W. Quarter.


**MEXICO.**
Location—Sec. B, N. W. Quarter.

   a) Wild tea, Simojovel and Mexico Lapa and other coffee, Mexcalapa, Pichucalco and Tuxtla cocoa; chocolate.  
   b) Common pepper.  
   c) Tobacco.  
   d) Cigars.
INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Exhibit No.  NEW SOUTH WALES.
   a Preserved meats.
   b Extract of meat and meat soups.
   a Preserved meats.
   b Extract of meat and meat soups.
   Fleeces, Pure Bred Fine Wools.
   1. Allen, Edmund John, Stoney Creek, Young.
      a Orange wine.
      b Orange bitters.
   70. Albury Brewing & Malting Co., Ltd., Albury.
      a Malt.
      b Ale and stout.

ORANGE FREE STATE.
Location—Sec. C, S. E. Quarter.
5. Scoured and grease wool in fleeces and bales; mohair.
   6. a Hides, horns, curios, etc.
      b Ostrich feathers.
      c Salt.
   10. a Collection of mineral ores.
        b Diamonds, petrified fish fossils.
   16. Tools and instruments of industrial operations.

RUSSIA.
Location—Sec. D, S. W. Quarter.
175. Smirnov, P. A.
   a Vodka.
   b Rum, etc.
   c Cordials and liqueurs.
177a. Sznaider.
   a Vodkas.
   b Cordials.
   c Bitters.
185. Wolfschmidt.
    a Vodka.
    b Cordials and liqueurs.
    c Bitters, etc.

Exhibit No.  SPAIN.
Location—Sec. B, N. W. Quarter.

SWEDEN.
Location—Sec. A, N. E. Quarter.
8. Ohlsson, Carl & Hansson, Gothenburg.
   a Herring, anchovy, fish-balls.
   b Pudding.
10. Akticbolaget Radiator, Stockholm.
    Cream and butter extractor. 34-D-B
The renowned genuine "Caloric Punch." Lyttes Brothers, New York, sole agents.

SWITZERLAND.
Location—Sec. C, S. E. Quarter.
1. Société de la Farine Lactée, Vevey.
   a Milk.
   b Butter.
   c Cheese.

TRINIDAD.
Location—Sec. B, N. W. Quarter.
5. Gregorio Bros. Honey and bees wax.
HORTICULTURE BUILDING.

HOW TO FIND EXHIBITS.

As shown by the floor plans of the Horticulture Building, the entire ground floor proper is laid off into sections extending from east to west, and indicated by a number plainly marked at regular intervals on the walls. The floor spaces are crossed from north to south, and lettered from A to Z in regular order, each space being in the form of a square. The numbers on the second or gallery floor are the same as on the first floor. The location of an exhibit will be readily found by referring to the letter and figure placed in juxtaposition, and following it in the catalogue entry, or after the name of a country or state, in the catalogue, and by referring to these in the floor plans.

To better understand the several location terms it would be well to state that the plan of the Horticulture Building is a central pavilion with two end pavilions, each connected with the central one by front and rear curtains forming two interior courts. These locations are frequently referred to in state, foreign and other exhibits.

The United States individual exhibits are located in various parts of the building, according to their nature and character, some on the first floor, some in the gallery, some on the lawns, others on the Wooded Island and many in the nursery near the Midway Plaisance; all these locations are plainly given in the catalogue, and by following above instructions with the diagrams before him, the visitor cannot fail to locate any exhibit without difficulty.

UNITED STATES.

Viticulture, Manufactured Products.
Methods and Appliances.

Exhibit No. Location
   a. White wines, dry.
   b. Red wines, dry.
   c. Sparkling wines.
   a. Photographs of grapes and vineyards.
   b. Methods of pruning and training vines.
   c. Maps, literature and statistics of viticulture.
   a. White wines, dry.
   b. Red wines, dry.
   c. Sweet wines.
   d. Brandy.
   a. Vineyards.
   b. Grapes, wine.
   c. White wines, dry.
   d. Red wines, dry.
   e. Sparkling wines.
   f. Brandy.
59. Korbel Bros., San Francisco. A-1
   a. Living examples.
   b. White wines, dry.
   c. Red wines, dry.
   d. Sweet wines.
   e. Cooperage tank.
   f. Brandy.
60. Lake Erie Fruit & Wine Growers’ Ass’n, Sandusky, Ohio. J-1
   a. Grapes, table.
   b. Grapes, wine.
   c. White wine, dry.
   d. Red wine, dry.
   e. Sweet wine.
   f. Sparkling wines.
   g. Brandy.

75. Napa Valley Wine Co., Napa, Cal. J-4
   a. White wines, dry.
   b. Red wines, dry.
   c. Sweet wines.
   d. Brandy.
87. Pleasant Valley Wine Co., Rheims, N. Y. L-4
   a. Grapes, wine.
   b. White wines, dry.
   c. Red wines, dry.
   d. Sweet wines.
   e. Sparkling wines.
   f. Brandy.
99. Stanford, Leland, Tina, Cal. G-4
   a. White wines, dry.
   b. Red wines, dry.
   c. Sweet wines.
   d. Brandy.

Pomology, Manufactured Products.
Methods of Appliances.

Preserved fruits.
125. Bishop & Co., Los Angeles, Cal. T-80
   a. Bottled fruits.
   b. Crystalized fruits.
131. California, State of.
   a. Pomaceous and stone fruits.
   b. Citrus fruits.
   c. Nuts.
   d. Dried and evaporated fruits.
   e. Fruit in glass.
   f. Canned fruits.
   g. Jellies, jams, marmalades.
   a. Fruits.
   c. Jellies, jams, marmalades, etc.
142a. Curtice Bros., Co., Rochester, N. Y. S-78
   a. Canned and preserved fruits.
   b. Jellies, jams, marmalades, etc.
   c. Vinegar.
<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Location</th>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>147</td>
<td>E-33</td>
<td>New Mexico, Territory of</td>
<td>221</td>
<td>B-32</td>
</tr>
<tr>
<td>153</td>
<td>Gal. G-72</td>
<td>a. Pomaceous fruits</td>
<td>222</td>
<td>B-17</td>
</tr>
<tr>
<td>163</td>
<td>a. Dried fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>177</td>
<td>a. Pomaceous fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>187</td>
<td>a. Fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>189</td>
<td>a. Berries</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>198</td>
<td>a. Dried fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>a. Fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>209</td>
<td>a. Canned fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>a. Pomaceous and stone fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>211</td>
<td>a. Berries</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>212</td>
<td>a. Canned fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>219</td>
<td>a. Pomaceous and stone fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>220</td>
<td>a. Fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>245a</td>
<td>a. Berries</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>247</td>
<td>a. Pomaceous and stone fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>248</td>
<td>a. Fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>254</td>
<td>a. Berries</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>262</td>
<td>a. Fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>269</td>
<td>a. Fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>280</td>
<td>a. Palms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>289a</td>
<td>a. Berries</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>296</td>
<td>a. Palms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>307</td>
<td>a. Palms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>311a</td>
<td>a. Berries</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>319a</td>
<td>a. Foliage plants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>a. Roses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>327</td>
<td>a. Plants</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>341</td>
<td>a. Flowers</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Floriculture.**

- Allegheny City Park, Allegheny, Pa.
- Ghilds, G. W., Bryn Mawr, Pa.
- Executive Mansion, Washington, D. C.
- Gould, Jay, Irvington, N. Y.
- Hill & Co., E. G., Richmond, Ind.
- Jansen, E., New York. Florists’ supplies, baskets, etc.
- Missouri, State of.

**Hydraulic Press Manufacturing Co.**

- Presses can be seen in operation daily.

- Idon, State of.
- Illinois Horticultural Society.

- Iowa, State of.

- Joplin, Mrs. J. C., Tustin, Cal.

- Kansas, State of.

- Kentucky, State of.


- Maine, State of.

- Michigan State Horticultural Society.

- Minnesota, State of.

- Missouri, State of.

- Montana, State of.

- Nebraska State Horticultural Society.

- New Jersey State Board of Agriculture.
### INTERESTING EXHIBITS IN DEPARTMENT B.—HORTICULTURE.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>347.</td>
<td>a Herbaria.</td>
<td>Gal. W-40</td>
</tr>
<tr>
<td>347.</td>
<td>b Plants.</td>
<td>Island and Lawn</td>
</tr>
<tr>
<td>347.</td>
<td>c Flowers.</td>
<td>East Curtain</td>
</tr>
<tr>
<td>347.</td>
<td>d Martha Washington garden.</td>
<td>West Lawn</td>
</tr>
<tr>
<td>348.</td>
<td>a Palms.</td>
<td>Dome</td>
</tr>
<tr>
<td>348.</td>
<td>b Cactaceae.</td>
<td>Yuccas and Agaves</td>
</tr>
<tr>
<td>350.</td>
<td>a Pennsylvania, State of.</td>
<td>East Lawn</td>
</tr>
<tr>
<td>350.</td>
<td>b Plants.</td>
<td>Lawn</td>
</tr>
<tr>
<td>358b.</td>
<td>a Flowers.</td>
<td>East Curtain</td>
</tr>
<tr>
<td>358b.</td>
<td>b Plants.</td>
<td>Lawn</td>
</tr>
<tr>
<td>366e.</td>
<td>a Pitcher &amp; Manda, Short Hills, N. J.</td>
<td>Dome</td>
</tr>
<tr>
<td>366e.</td>
<td>b Plants.</td>
<td>East Curtain and Island</td>
</tr>
<tr>
<td>370a.</td>
<td>a Sturtevant, E. D., Bordentown, N. J.</td>
<td>Aquatic plants.</td>
</tr>
<tr>
<td>370a.</td>
<td>b Ticker, Wm., Dongan Hills, N. Y.</td>
<td>Aquatics.</td>
</tr>
<tr>
<td>373.</td>
<td>a Vaughan, J. C., Chicago.</td>
<td>Plants.</td>
</tr>
<tr>
<td>373.</td>
<td>b Receptacles for plants, etc.</td>
<td>Lawn</td>
</tr>
</tbody>
</table>

| Culinary Vegetables. |

421. Buckbee, H. W., Rockford, Ill. Garden and field seeds. F-72 |
423. Dreer, Henry A., Philadelphia. General seed exhibit. G-75 |

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location.</th>
</tr>
</thead>
<tbody>
<tr>
<td>479.</td>
<td>a Hitchings &amp; Co., New York. Greenhouse and palm house and section of iron greenhouse. Lawn</td>
</tr>
<tr>
<td>479.</td>
<td>b Heating apparatus and boiler.</td>
</tr>
<tr>
<td>480.</td>
<td>a Johnson, John C., Atlantic City, N. J. Grotto with aerated water fountain.</td>
</tr>
<tr>
<td>480b.</td>
<td>a Keith &amp; Allabough, Deadwood, So. Dak. Cave grotto.</td>
</tr>
</tbody>
</table>

### CALIFORNIA.

Location—S. W. Curtain, A to E-31-35 and N. Pavilion, R-78.


67. Flickinger Co., The J. H., San Jose. a Dried apricots, prunes and peaches. b Preserved cherries, peaches, plums and prunes.


179b. San Bernadino County. Citrus fruits.

179c. San Diego County. a Citrus fruits. b Fruits in glass.

### CANADA.

(Exhibits in this group are located in the N. W. Curtain.)

135. Fruit Growers' Association, B. C. Fruit.

136. Fruit Growers' Association of Nova Scotia. a Large fruits. b Small fruits. c Literature.

270a. Ontario, Province of. Fresh fruits.


INTERESTING EXHIBITS IN DEPARTMENT B. HORTICULTURE.

Exhibit No.
(Exhibits in this group are located in C-78.)
422. Central Experimental Farm, Ottawa. Vegetables.

FRANCE.
Location—D-80, Q-3 and Gal. G-1.

GERMANY.
   a Wine.
   b Sparkling wine.
113. Hommel, Carl, Rappoltsweiler-Alsace.
   a Wine.
   b Sparkling wine.
   a Rhine wines.
   b Moselle wines.
236. Sichel's, H., Sons, Mainz-on-the-Rhine. Wine.
289. Laaff, Wilhelm, Mainz-on-the-Rhine. 
   a Preserved fruits.
   b Fruit syrups.
357. Schmidt, J. L., Erfurt. Flower and vegetable seeds.

CREAT BRITAIN.
Location—R-75 and E-68.
(Exhibits in this group are located in the N. E. Curtain.)
   a Flowers and plants.
   b Dahlias.
   c Annuals, etc.
12. Laird, R. B. & Sons, Edinburgh, Scotland. Pansies, etc.

GREECE.
Location—Gal., G-9 and M-57.

ITALY.
Location—A-1 to 20.

JAPAN.
Exhibits in this group are located in the (N. E. Curtain.)
   a Orchids.
   b Chrysanthemums.
   c Liliums.
   d Peonia mountain and peonia albi-flora.
   e Phapis flobelliformis and sago palms.
   f Ornamental leaf plants.
   g Iris leavigata and nelumbium.
   h Cut flowers.

MEXICO.

NEW SOUTH WALES.
Location—V-5, B-37 and P-71.
41. Commissioners for New South Wales, Sydney.
   a Ferns and other typical plants of New South Wales.
   b Series of enlarged photographs, illustrating the Sydney Botany Gardens.

PORTUGAL.
   a White wines.
   b Red wines.
   c Ports.
   d Dry wines.
   a White wines.
   b Red wines.
   c Ports.

SWITZERLAND.
   Lawn.
LIVE STOCK PAVILION AND DAIRY BARNs.

As the Live Stock Exhibitions held in connection with the Exposition are not for the whole period of the fair it is not possible to give any key to installation that would be of service beyond the dates on which the various exhibitions take place. A separate catalogue is published for each division in anticipation of the exhibition being held and therein appears the “barn installation” of the entries for that division.
FISH AND FISHERIES BUILDING.

HOW TO FIND EXHIBITS.

The exhibits in this building have been so installed as to make it very easy for the visitor to locate any one or any group of them. The central portion of the structure is designated as the main building, and in it will be found the general fisheries exhibit, consisting of boats, seines, etc., and all manners of preserved fish and fish products. In this section the various states have their largest displays, as well as the foreign countries such as Norway, France, Germany, Great Britain, Japan, Mexico, New South Wales, the Netherlands and Russia. The ground floor is laid off into spaces indicated by numbers, 1 to 54 running east and west, and with cross sections running north and south and lettered A to Q. By tracing the lines from the letter to the number any exhibit can be located. In the western pavilion, which is connected with the main building by an arcade, are installed the “fresh water fishing and angling” exhibits, also several entries of canoes, and the entire exhibit of Brazil. In the gallery of the building are several exhibits of a miscellaneous character, among them being a portion of the displays from Norway, Canada and Germany. The gallery floor space is laid off in a similar way to that of the main floor, and exhibits can be as readily located. The eastern pavilion is devoted entirely to the aquaria.
ANGLING PAVILION

COPYRIGHTED 1893,
BY THE
WORLD'S COLUMBIAN EXPOSITION
FOR THE EXCLUSIVE USE OF
W. B. CONKEY COMPANY,
CHICAGO.

FISH AND FISHERIES BUILDING,
WORLD'S COLUMBIAN EXPOSITION.

36
### INTERESTING EXHIBITS

#### IN

**Department D.—Fish, Fisheries, Etc.**

#### UNITED STATES.

**Fish and Other Forms of Aquatic Life.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2b. Booth, A., Packing Co., Chicago</td>
<td>Main F-23</td>
</tr>
<tr>
<td>a. Oysters, pectens.</td>
<td>b. Fishing gear.</td>
</tr>
<tr>
<td>b. Oysters, pectens.</td>
<td>c. Fish hooks, jigs and drails.</td>
</tr>
<tr>
<td>d. Fishes, mounted.</td>
<td>e. Fish traps.</td>
</tr>
<tr>
<td>e. Young seal.</td>
<td>f. Fishing stations and outfits.</td>
</tr>
<tr>
<td>2d. California State.</td>
<td>g. Fish knives, gaffs, etc.</td>
</tr>
<tr>
<td>a. Casts of California fishes.</td>
<td>h. Illustrations of special fisheries.</td>
</tr>
<tr>
<td>b. Casts of sea crawfish.</td>
<td>i. Fishing boats and vessels.</td>
</tr>
<tr>
<td>2e. Capehart, W. R., Avoca, N. C., Mounted fishes.</td>
<td>Main K-6</td>
</tr>
<tr>
<td>4b. Minnesota State. Casts of Fishes.</td>
<td>Main 1-26</td>
</tr>
<tr>
<td>a. Maps showing distribution of species of fishes.</td>
<td>O-2</td>
</tr>
<tr>
<td>14. San Diego High School, San Diego, Cal.</td>
<td>e. Gaffs, spears, etc.</td>
</tr>
<tr>
<td>c. Star fishes, sea urchins, etc.</td>
<td>a. Models of Salmon wheels.</td>
</tr>
<tr>
<td>d. Crustaceans.</td>
<td>b. Fishing boat and outfit.</td>
</tr>
<tr>
<td>e. Mounted and dried fishes.</td>
<td>29b. St. Lawrence River Skiff, Canoe &amp; Steam Launch Co., Clayton, N. Y. Fishing boats, canoes, etc.</td>
</tr>
<tr>
<td>f. Turtles.</td>
<td>Pav. F-9</td>
</tr>
<tr>
<td>g. Aquatic birds.</td>
<td>30. Washington State.</td>
</tr>
<tr>
<td>a. Maps and charts.</td>
<td>b. Siwash fishing gear; native implements.</td>
</tr>
<tr>
<td>b. Clams and oysters.</td>
<td>c. Nets and seines.</td>
</tr>
<tr>
<td>d. Crabs.</td>
<td>e. Dugout fishing canoes.</td>
</tr>
<tr>
<td>e. Fishes; fresh, mounted, cast and alcoholic specimens.</td>
<td>f. Photos of fishing vessels and boats.</td>
</tr>
<tr>
<td>f. Skeleton of humpback whale 47 1/2 feet long.</td>
<td>Fresh Water Fishing and Angling</td>
</tr>
<tr>
<td>h. Aquatic birds.</td>
<td>Pav. F-11</td>
</tr>
<tr>
<td>a. Aquatic plants (Algae).</td>
<td>Pav. F-4</td>
</tr>
<tr>
<td>b. Shrimps, etc. (Crustacea).</td>
<td>47. Shipley, A. B., &amp; Son, Philadelphia. Rods, reels, flies and tackle.</td>
</tr>
<tr>
<td>c. Aquarial exhibit of fishes.</td>
<td>Pav. F-4</td>
</tr>
<tr>
<td>a. Nets, seines, and material.</td>
<td>Pav. C-9</td>
</tr>
<tr>
<td>b. Fish traps, pounds, etc.</td>
<td>52. Waltonian Manufacturing Co., Chicago. Artificial flies.</td>
</tr>
<tr>
<td>a. Reports, statistics and literature showing progress of the Gloucester fisheries.</td>
<td>Main K-6</td>
</tr>
<tr>
<td>b. Fishes.</td>
<td>a. Models of Salmon wheels.</td>
</tr>
<tr>
<td>d. Mullet fisherman's hut.</td>
<td>b. Fishing boat and outfit.</td>
</tr>
<tr>
<td>e. Gaffs, spears, etc.</td>
<td>29b. St. Lawrence River Skiff, Canoe &amp; Steam Launch Co., Clayton, N. Y. Fishing boats, canoes, etc.</td>
</tr>
<tr>
<td>a. Photographs, reports and statistics of fisheries.</td>
<td>K-10</td>
</tr>
<tr>
<td>b. Siwash fishing gear; native implements.</td>
<td>c. Nets and seines.</td>
</tr>
<tr>
<td>d. Models of fishing boats and vessels.</td>
<td>e. Dugout fishing canoes.</td>
</tr>
<tr>
<td>e. Dugout fishing canoes.</td>
<td>f. Photos of fishing vessels and boats.</td>
</tr>
<tr>
<td>f. Photos of fishing vessels and boats.</td>
<td>Fresh Water Fishing and Angling</td>
</tr>
<tr>
<td>47. Shipley, A. B., &amp; Son, Philadelphia. Rods, reels, flies and tackle.</td>
<td>Pav. F-4</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT D.—FISH, FISHERIES.

Exhibit No. | Location.
--- | ---
54. | Yawman & Erbe, Rochester, N. Y. Pav. E-13

Products of the Fisheries and their Manipulation.

55. Ams, Max, New York. Main K-20
   a Smoked and canned fish.
   b Caviar; sturgeon oil.
   c Sturgeon scrap.

56. Gloucester Board of Trade, Gloucester, Mass.
   a Models and methods of handling and curing fish.
   b Cured and preserved fish.
   c Products of fisheries.
   d Appliances for preparing fish products.
   e Models of fish markets, wharves, appliances for handling fish, etc.


   a Fish glue, sizings, mucilage, etc.
   b Fish fertilizers.
   c Fish glue articles.

72. Stanley, Mrs. A. C., Ashton, R. I. Pictures of shell work.

BRAZIL.

Location—Pavilion B-F-19.

   a Fish, mounted.
   b Crocodile, mounted.

CANADA.

Location—B-F-36; Gal. A-12.

1. Canadian Government (Dept. of Marine and Fisheries), Ottawa.
   a Atlantic and Pacific sponges, corals, jelly-fish.
   b Atlantic and pacific oysters, clams.
   c Star fish.
   d Crustacea.
   e 200 cases mounted fishes, fishes in alcohol, pictures of fishes.
   f Lizards and frogs in alcohol.
   g 76 species aquatic birds.
   h White whale, seals, otters, beavers, minks, weasels, muskrats.

3. Canadian Government (Dept. of Marine and Fisheries), Ottawa.
   a Pictures of fishing fleet, cruisers, fishing grounds, etc.
   b Fishing gear used by Canadians, Indians, etc.

GERMANY.

Location—Main B-52; Gal. A-15

5. Royal Agricultural High School, Berlin.
   a Nets and seines.
   b Fish traps and weirs.
   c Models of fishermen’s houses.
   d Models of fishing vessels.

7. Stork, H., Munich, Fishing lines, artificial fish and baits.

GREAT BRITAIN.

Location—Main F-52.

2. Baltimore School of Fishery, Baltimore, Ireland.
   a Model of school.
   b Fishing smack model.


10a. Bartleet, Wm., & Son, Redditch.
   a Fish hooks.
   b Fishing tackle.

GREECE.

Location—Gal. B-16.


JAPAN.

Location—Main O-12.

7a. Japanese Imperial Commission.
   a Maps showing distribution of fishes etc.
   b Oysters, mussels, scallops and other mollusks.
   c Lobsters, crabs, prawns, etc.
   d Fishes, mounted, alcoholic specimens, illustrations, etc.
INTERESTING EXHIBITS IN DEPARTMENT D.—FISH, FISHERIES.

Exhibit No.
- Turtles and tortoises, mounted.
- Aquatic birds, mounted.
- Aquatic mammals, mounted.
- Charts of fish, oyster and lobster grounds.

26a. Japanese Imperial Commission.
- Pictures, photos and other illustrations.
- Lines for tai, mackerel, cod, tunny, etc., beam and pole trawls.
- Hooks for mackerel, tunny, cod, bonito, smelt, etc.
- Nets and haul, dip, circle, drift, gill, etc., seines, cast nets.
- Lobster and prawn pots, bamboo weir, etc.
- Knives, sardine press, appliances, etc.
- Fishing boats for tunny, cod, etc.

MEXICO.
Location—Main P-31

4a. Commission Geographica Exploradora, City of Mexico.
- Mounted turtle.


NETHERLANDS.
Location—Main O-5

- Gear for herring fishing.
- Vessel, fishermen, etc., illustrating the herring fishery.

NEW SOUTH WALES.
Location—Main F-43

1. The Government.
- Paintings and drawings of fishes; fishes in alcohol.
- Reptiles and batrachians, in alcohol.
- Aquatic birds, mounted.
- Aquatic mammals, mounted.
- Crustacea.

2. Commissioners for New South Wales, Sydney.
- Collection of fishes.
- Oysters, clams, mollusca or all kinds and shells, mussel shells, from casino, Richmond river.
- Collection of oil paintings of new South Wales fishes and crustacea (natural size).
- Collection of reptiles.
- Collection of birds destructive to fish. Seals.

NORWAY.
Location—Main K-0-47; Gal. F-14


3. Holck, Julius, Bergen. Paintings of whale fishing, etc.

5. Bergen Committee, Bergen.
- Maps, drawings and literature illustrating fisheries.
- Fishing gear and lines.
- Nets; seines; models of seines.
- Weirs; lobster pots, eel pots.
- Knives, gaffs; other apparatus.
- Collection of fishing boats; models of vessels.


RUSSIA.
Location—Main K-34

8. Astrakan Fisheries District.
- Isinglass.
- Fish oils.

20. Stepanenko, Rostov on Don.
- Dried sturgeon, steak, etc.
- Caviar.
- Viasiga (spinal cord of sturgeon).

U. S. FISH COMMISSION.
Series of Aquaria East Polygonal Building and corridor.
MINES AND MINING BUILDING.

HOW TO FIND EXHIBITS.

For the purpose of indicating the location of exhibits in the Mines Building, the columns extending north and south are numbered from 1 to 34 as shown in the diagram, and those extending east and west are lettered from "A" to "U." By this system, each exhibit on the main floor or the gallery has a position of longitude and latitude. For example, the exhibit of Great Britain is located on the main floor at "G-16," or at that point where a line drawn from column "G" would intersect with a line drawn from column "16." The columns are plainly lettered and numbered. The location of each exhibit is indicated by a letter and a number, and exhibits in the gallery are distinguished by the letter "g" following the letter and number. The various state exhibits have special locations as follows: Arizona Sec. Q, 30, California Sec. N, 24, Colorado Sec. N, 30, Connecticut Gallery T, 19, Florida Gallery S, 29, Idaho Sec. N, 26, Illinois Gallery T, 10, Indiana Sec. N, 14, Iowa Sec. P, 33, Kansas, Sec. Q, 3, Kentucky Sec. N, 11, Louisiana Sec. Q, 10, Maine Gallery B, 7, Massachusetts Gallery B, 11, Michigan Sec. G, 16, Minnesota Sec. Q, 12, Missouri Sec. N, 19, Montana Sec. N, 29, Nevada Sec. B, 10, New Hampshire Sec. S, 30, New Jersey Sec. Q, 9, New Mexico Sec. Q, 23, New York Sec. N, 9, North Carolina Sec. Q, 5, Ohio Sec. N, 12, Oregon Sec. Q, 8, Pennsylvania Sec. N, 6, South Carolina Gallery T, 6, South Dakota Sec. N, 23, Tennessee Sec. Q, 10, Utah Sec. N, 27, Vermont Gallery S, 17, Virginia Sec. Q, 6, Washington Sec. Q, 25, West Virginia Sec. M, 8, Wisconsin Sec. N, 21 and Wyoming Sec. Q, 23. The foreign countries will be found installed as follows: Argentine Republic Sec. B, 23, Austria Sec. B, 7, Bolivia Sec. B, 28, Brazil Sec. G, 24, Canada Sec. B, 11, Cape of Good Hope Sec. G, 25, Chile Sec. D, 31, Ecuador Sec. A, 28, France Sec. G, 6, Germany Sec. G, 20, Great Britain Sec. G, 16, Greece Sec. B, 27, Italy Sec. B, 13, Japan Sec. B, 15, Mexico Sec. B, 28, New South Wales Sec. G, 10, Russia Sec. B, 21, San Juan Del Rey Sec. E, 24 and Spain Sec. B, 25. The Department of Mines, Mining and Metallurgy has a Collective Exhibit of the following: Building Stone located in Gallery S, 17, Coal in Gallery R-S, 21 and 23, Metallurgy in Southwest Gallery, Mineral Waters in Gallery T, 6 and Salt in Gallery T, 6. Included in this collective exhibit is the Library Department and Reading Room, both of which are situated at the south end of the West Gallery.
INTERESTING EXHIBITS

Department E.--Mines, Mining and Metallurgy.

UNITED STATES.


Exhibit No. Location.
   a. Collection of minerals. T-28-g
   b. Cabinet of meteorites.
   c. Rocks and petrology.
   d. Cabinet of marbles. B-5-g

Mineral Combustibles—Coal, Coke, Petroleum, Natural Gas, etc.


   a. Carbon for electric lights, etc. K-3-g
   b. Asphaltum and other forms of pitch.
   c. Petroleum products of every kind.

25. Auld & Conger, Cleveland, Ohio. roofing slate. T-19-g

26. Governmental Display of Building Stone. S-17-g


Building Stones, Marbles, Ornamental Stones and Quarry Products.


22. Enlarged Display of Building Stones. S-17-g

Grinding, Abrading and Polishing Substances.

36. Behr, Herman, & Co., New York. Flint emery papers and cloth; pumice and rotten stone. S-14-g

Graphite and its Products; Clays and Other Fictile Materials and their Direct Products; Asbestos, Etc.


50. Dixon, Joseph, Crucible Company, Jersey City, N. J. T-12-g
   a. Graphite ore.
   b. Graphite lubricants.
   c. Electrotypers’ graphite.
   d. Crucibles and melting pots.

51. Johns, H. W., Manufacturing Company, N. Y. Technical display of asbes-
   tos. Q-14 and T-11-g

54. Barber Asphalt Paving Co., New York. T-10-g
   a. Technical exhibit of natural asphalt, and its compounds.
   b. Asphalt, asphaltic cement and paving.

55. Warren-Scharf Asphalt Paving Company, Cincinnati. Asphalt street pavement with method of making. T-10-g

Salts, Sulphur, Fertilizers, Pigments, Mineral Waters and Miscellaneous Useful Minerals and Compounds.

61a. Departmental Display of.
   a. Salt (chloride of sodium). T-6-g
   b. Mineral water.

82. Illinois Fluor Spar & Lead Co., Chicago. Fluor spar and its processes. B-29-g

INTERESTING EXHIBITS IN DEPARTMENT E.—MINES AND MINING.

Exhibit No. Location.

Aluminum and its Alloys.
103. Pittsburg Reduction Co., The, Pittsburg, Pa. 23-29-g
   a Aluminum, ingots, sheet, rod and wire.
   b Models showing process of manufacture.

Copper and its Alloys. Metallurgy.
105a. Commercial Mining Co., Bisbee, Ariz. Ores from Hackbury mine, copper from Copper Basin. B-24-g
106. Copper Queen Consolidated Mining Co., New York. 23-29-g
   a Copper ores and associated rocks.
   b Treatment of copper by wet method.
   c Copper ingots.
109. Hirsh, Joseph M., Chicago. Aluminum bronze. B-28-g
111. Randolph & Clowes, Waterbury, Conn. Brass and copper tubing, etc. S-17

Metallurgy of Tin.

Metallurgy of Zinc, Nickel and Cobalt.
116. Emmens Metal Company, New York. C-25-g
   a Metallic nickel.
   b Nickel salts.
   c Nickel alloys.

Extraction of Gold and Silver by Milling.
127. Fraser & Chalmers, Chicago. S-29
   a Stamp mill.
   b Amalgamating barrel.

Extraction of Gold and Silver by Lixiviation.

Boring and Drilling Tools and Machinery, and Apparatus for Breaking out Ore and Coal.
165. Ingersoll-Sergeant Drill Company, New York. Q-19
   a Drills and tripods.
   b Coal cutter.

Pumps, Engines and Apparatus used in Mining for Pumping, Draining and Hoisting.
196. Roots, P. H. & F. M., Co., Connersville, Ind. Blowers, engines, force pumps, gas exhausters, etc. R-25

Apparatus for Crushing and Pulverizing.

Assaying Apparatus and Fixtures.
236. Richards & Co., Chicago. S-32-g
   a Furnaces, muffles and appliances.
   b Scorification and cupelling apparatus.
   c Volumetric methods and apparatus.
   d Assay balances, etc.
   e Assay tables, schemes and methods.

DEPARTMENTAL LABORATORY. AND MODEL ASSAY OFFICE.
(In S. E. Cor, East Gallery.)
Practical demonstration of gravimetric and volumetric chemical analysis, fire assaying and determinative blow-pipe mineralogy.

History and Literature of Mining and Metallurgy.

LIBRARY DEPARTMENT.
(South end of West Gallery.) Entry 1 to 28.

ARIZONA.
Location—Sec. Q, 30.
STATE EXHIBIT.

CALIFORNIA.
Location—Sec. N, 24.
STATE EXHIBIT.

COLORADO.
Location—Sec. N, 30.
STATE EXHIBIT.
INTERESTING EXHIBITS IN DEPARTMENT E.—MINES AND MINING.

CONNECTICUT.
Location—Gallery T, 19.
STATE EXHIBIT.

FLORIDA.
Location—Gallery S, 29.
STATE EXHIBIT.

IDAHO.
Location—Sec. N, 26.
STATE EXHIBIT.

INDIANA.
Location—Sec. N, 14.
STATE EXHIBIT.

IOWA.
Location—Sec. P, 33.
STATE EXHIBIT.

KANSAS.
Location—Sec. Q, 3.
STATE EXHIBIT.

KENTUCKY.
Location—Sec. N, 11.
STATE EXHIBIT.

LOUISIANA.
Location—Sec. Q, 10.
STATE EXHIBIT.

MAINE.
Location—Gallery B, 7.
STATE EXHIBIT.

MASSACHUSETTS.
Location—Gallery B, 11.
STATE EXHIBIT.

MICHIGAN.
Location—Sec. 9, 16.
STATE EXHIBIT.

MINNESOTA.
Location—Sec. Q, 12.
STATE EXHIBIT.

MISSOURI.
Location—Sec. N, 19.
STATE EXHIBIT.

MONTANA.
Location—Sec. N, 29.
STATE EXHIBIT.
Including Ada Reehan's Statue.

NEVADA.
Location—Sec. B, 10.

STATE EXHIBIT.

Exhibit No.
4. Esmeralda County. Oxide iron ore, native iron ore, pyrites of iron, gold and silver in copper, bromide of silver, chloride of silver, carbonate of iron containing gold, silver and lead, native gold in quartz, wire gold in crystal, native gold in iron ore, native gold in calcite, native silver in manganese, wire silver in calcite, wire silver in iron, native silver, gold and silver in carbonate lead ores, chloride silver ores, antimonial ores, horn silver, native turquoise, magnetic iron ores, black metal, sulphide of silver in iron ore containing horn silver and black metal, bromide of silver ore, gold and silver in lead ore, carbonate lead, molybdate of lead, galena, native lead ores.

5. Eureka County. Native ores.

NEW HAMPSHIRE.
Location—Sec. S, 30.
STATE EXHIBIT.

NEW JERSEY.
Location—Sec. Q, 9.
STATE EXHIBIT.

NEW MEXICO.
Location—Sec. Q, 28.
STATE EXHIBIT.

NEW YORK.
Location—Sec. N, 9.
STATE EXHIBIT.

NORTH CAROLINA.
Location—Sec. Q, 5.
STATE EXHIBIT.

OHIO.
Location—Sec. N, 12.
STATE EXHIBIT.

OREGON.
Location—Sec. Q, 8.
STATE EXHIBIT.

PENNSYLVANIA.
Location—Sec. N, 6.
STATE EXHIBIT.
Including the exhibit of the Lehigh Valley Coal Co., Wilkesbarre.

Anthracite coal shaft representing a columnar section of the Mammoth coal vein, 84 feet in height, from the Girard Estate mine.

131. Schweyer & Liess, King of Prussia. Slab of blue marble and marble blocks.
<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>State/Republic</th>
<th>Location</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>SOUTH CAROLINA</td>
<td>Gallery T, 6</td>
<td>Location: Gallery T, 6.</td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
<td>2. Bolton Mining Co., Charleston. Land phosphate rock.</td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>6.</td>
<td>TENNESSEE</td>
<td>Sec. Q, 10</td>
<td>Location: Sec. Q, 10.</td>
</tr>
<tr>
<td>7.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>9.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>11.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>12.</td>
<td>VIRGINIA</td>
<td>Sec. Q, 6</td>
<td>Location: Sec. Q, 6.</td>
</tr>
<tr>
<td>13.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>15.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>16.</td>
<td>WEST VIRGINIA</td>
<td>Sec. N, 8</td>
<td>Location: Sec. N, 8.</td>
</tr>
<tr>
<td>17.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>19.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>20.</td>
<td>WYOMING</td>
<td>Sec. Q, 23</td>
<td>Location: Sec. Q, 23.</td>
</tr>
<tr>
<td>21.</td>
<td></td>
<td></td>
<td>STATE EXHIBIT.</td>
</tr>
<tr>
<td>22.</td>
<td>ARGENTINE REPUBLIC</td>
<td>Sec. B, 23</td>
<td>Location: Sec. B, 23.</td>
</tr>
<tr>
<td>23.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>25.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>27.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>29.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>30.</td>
<td>ECUADOR</td>
<td>Sec. A, 23</td>
<td>Location: Sec. A, 23.</td>
</tr>
<tr>
<td>31.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>33.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>35.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>37.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>39.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>41.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>42.</td>
<td>JAPAN</td>
<td>Sec. B, 15</td>
<td>Location: Sec. B, 15.</td>
</tr>
<tr>
<td>43.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>44.</td>
<td>MEXICO</td>
<td>Sec. B, 28</td>
<td>Location: Sec. B, 28.</td>
</tr>
<tr>
<td>45.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>46.</td>
<td>NEW SOUTH WALES</td>
<td>Sec. G, 10</td>
<td>Location: Sec. G, 10.</td>
</tr>
<tr>
<td>47.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>49.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
<tr>
<td>50.</td>
<td>SAN JUAN DEL REY</td>
<td>Sec. E, 24</td>
<td>Location: Sec. E, 24.</td>
</tr>
<tr>
<td>53.</td>
<td></td>
<td></td>
<td>ENTIRE EXHIBIT.</td>
</tr>
</tbody>
</table>
MACHINERY HALL.

HOW TO FIND EXHIBITS.

The exhibits in the Machinery Department are installed in Machinery Hall proper, in the Power Station, Pump House, Machine Shop, Saw Mill Building, Boiler House Extension, Oil Pump House, in an out-of-door space near the main building and several will be found in the Fire Engine Houses, Power House of Elevated Railway and at other points on the Exposition grounds. For the purpose of installation the main building is divided into numbered sections as shown on the plan. The columns are lettered from south to north, from A to T, and from east to west they are numbered from 1 to 53, consequently each column bears both a letter and a number. This letter and number in the catalogue location signs is prefixed with the section number, hence the following: 26-M-31 means that the exhibit having that location sign is installed in section 26 near the column bearing the letter M on the north and south line and 31 on the east and west line. The Boiler House on the south of the main building has six numbered divisions, and the Boiler House extension has five sections lettered A to E. The power plant is also divided into sections lettered from A to O. The foreign countries, some fourteen in number, will all be found in the east end of the building between F and R on the north and south line and 1 to 25 on the east and west. In the location of exhibits in the catalogue entries, the following abbreviations are used: "PP."—Power Plant; "PS."—Power Station; "PH."—Pump House; "MS."—Machine Shop; "ODS."—Out Door Space; "LS."—Line Shaft; "SMB."—Saw Mill; "BH."—Boiler House; "BHE."—Boiler House Extension; "OPH."—Oil Pump House; "FEH."—Fire Engine Houses; "PH of E. Ry."—Power House of Elevated Railway; "MP."—Midway Plaisance; "B. S. Ry."—Barre Sliding Railway; "W. D. R. R."—Western Dummy Railroad; "SCW."—Sewage Cleansing Works.
## INTERESTING EXHIBITS

### IN

**Department F.—Machinery.**

### UNITED STATES.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Exhibit Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>American Leather Link Belt Co., Chicago. Leather link belts.</td>
<td>15-F-27 &amp; PP.</td>
</tr>
</tbody>
</table>

### Exhibit No. Location

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Exhibit Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>41.</td>
<td>Cleveland Faucet Co., Cleveland, Ohio. Air compressors.</td>
<td>26-O-27</td>
</tr>
<tr>
<td>43.</td>
<td>Crane Elevator Co., Chicago. Hydraulic machines, piston and cages.</td>
<td>29-L-51 &amp; West Wall, FG &amp; NO. East Wall, P. R.</td>
</tr>
<tr>
<td>44.</td>
<td>Crane Co., Chicago. Steam water, and gas supplies.</td>
<td>26-O-28</td>
</tr>
<tr>
<td>46.</td>
<td>Deming Co., The, Salem, Ohio. Pumps.</td>
<td>27-K-33</td>
</tr>
<tr>
<td>47.</td>
<td>Dodge Mfg Co., Mishawaka, Ind. Power transmitting appliances.</td>
<td>15-F-27</td>
</tr>
<tr>
<td>54.</td>
<td>Hayes Pump &amp; Planter Co., Galva, Ill. Force pumps, wind mills and power pumps.</td>
<td>27-L-94</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>96. Jarecki Manufacturing Co., Erie, Pa.</td>
<td>Brass and iron work, pipe fittings, etc.</td>
<td>28-K-47</td>
</tr>
<tr>
<td>95a. Ingersoll-Sergeant Drill Co., New York</td>
<td>Air compressors, straight line, duplex and compound.</td>
<td>PP.</td>
</tr>
<tr>
<td>97. Jeffrey Manufacturing Co., Columbus, Ohio.</td>
<td>Conveyors, elevators, etc.</td>
<td>26-O-31</td>
</tr>
<tr>
<td>112. Lippincott, Chas., &amp; Co., Philadelphia.</td>
<td>Soda water machinery.</td>
<td>27-O-37</td>
</tr>
<tr>
<td>117. McGowan, John H., Co., Cincinnati.</td>
<td>a Pumping machinery, direct acting, duplex, and crank and fly wheel types.</td>
<td>27-K-L-36 &amp; BH.</td>
</tr>
<tr>
<td></td>
<td>b Air pumps, crank and fly wheel and direct acting types.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>c Tobacco machinery, presses, finishers, etc.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>d Valves, back pressure, gate, spray sprinklers and pump valve seat.</td>
<td></td>
</tr>
<tr>
<td>121. Morgan Engineering Co., Alliance, Ohio.</td>
<td>a Traveling crane.</td>
<td>Dept F.</td>
</tr>
<tr>
<td></td>
<td>b Hydraulic fittings.</td>
<td>MP.—B.S.Ry.</td>
</tr>
<tr>
<td>133b. Olmsted &amp; Co., Chicago.</td>
<td>Drive well points and pump fixtures.</td>
<td>15-J-31 and 32</td>
</tr>
<tr>
<td>146. Providence Steam Engine Co., Providence, R. I.</td>
<td>Compound engine.</td>
<td>28-L-44</td>
</tr>
<tr>
<td>149. Reeves Pulley Co., Columbus, Ind.</td>
<td>Pulleys.</td>
<td>15-H-27</td>
</tr>
<tr>
<td>151. Reliance Gauge Co., Cleveland, Ohio.</td>
<td>Alarm for steam boilers, floats for high pressure steam service and steam separators.</td>
<td>BH.—3-5</td>
</tr>
<tr>
<td>Exhibit No.</td>
<td>Location</td>
<td>Description</td>
</tr>
<tr>
<td>168. South Bend Pulley Co., South Bend, Ind.</td>
<td>Pulleys.</td>
<td>15-J-27</td>
</tr>
<tr>
<td>188. Walworth Manufacturing Co., Boston.</td>
<td>Valves, cocks, etc.</td>
<td>26-O-37</td>
</tr>
<tr>
<td></td>
<td>b Hydraulic tools.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>c Cast-iron pipe and valves.</td>
<td></td>
</tr>
<tr>
<td>206. Yale &amp; Towne Manufacturing Co., Stamford, Conn.</td>
<td>Electric traveler and hoist and chain blocks.</td>
<td>15-F-28 &amp; Central runway</td>
</tr>
</tbody>
</table>

Fire Engines, Apparatus and Appliances for Extinguishing Fire.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>a Steam fire engines.</td>
<td></td>
</tr>
<tr>
<td>b Hose cart and fire dept. supplies.</td>
<td></td>
</tr>
<tr>
<td>a Hook and ladder truck.</td>
<td></td>
</tr>
<tr>
<td>b Fire extinguishers.</td>
<td></td>
</tr>
<tr>
<td>218. Kansas City Fire Dept. Supply Co., Kansas City, Mo.</td>
<td>Water tower.</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

Machine Tools and Machines for Working Metals.

Exhibit No. Location.
220. Barnes, W. F. & John, Co., Rockford, Ill. Lathes, drills, etc. 14-J-36
234. Bliss, E. W., Co., Brooklyn, N. Y. Metal working machines. 28-L-42
   a Machinists’ small tools. 13-J-46
   b Metal working machines. 28-L-42
244. Christy Knife Co., Fremont, O. Knife handle, press and slotting machines. 13-J-38
245. Cleveland Twist Drill Co., Cleveland, Ohio. Drills, taps, reamers, cutters, etc. 29-L-50
      Machine shop & 12-J-53
261. Horton, E., & Son Co., Windsor Locks, Conn. Lathe and drill chucks. 29-K-52
265. Lodge & Davis Machine Tool Co., Cincinnati. Lathes, planers, etc. 28-K-42

Machinery for the Manufacture of Textile Fabrics and Clothing.

Exhibit No. Location.
313a. Chicago Braiding & Embroidery Co., Chicago. Embroidery and cutting machine. 30-P-53
313b. Chicago Sewing Machine Co., Chicago. Sewing machines. 32-P-48
   a Looms for silk goods. 32-P-39
   b Looms for cotton goods.
   c Looms for woolen goods.
   d Worsted working machinery and noble comb coiler and baller. 30-N-42
316. Dennison Manufacturing Co., Chicago. Tag making machine. 28-N-42
322. Foster Machine Co., Westfield, Mass. Creel and warper, carpet machine and winders. 28-O-45
323. Gardner Sewing Machine Co., Aurora, Ill. Sewing and folding machines. 32-P-49
   b Cotton looms.
   c Woolen looms.
   d Looms for mixed fabrics.
342. National Sewing Machine Co., Belvidere, Ill. Sewing machine. 32-P-41
352. Schaum & Uhlinger, Philadelphia. Silk machine. 28-O-49
Machines for Working Wood.


382. Disston, Henry, & Sons (Inc.), Philadelphia. Saws and tools. 14-F-34


403. Mitts & Merrill, Saginaw, Mich. Edging grinders. SMB.


Machines and Apparatus for Type-setting, Printing, Stamping, Embossing, Book Making and Paper Working.

418. American Box Machine Co., Amsterdam, N. Y. Cutting and paper box machines. 32-Q-38 & 35-T-36

419a. Art Embossing Machine Co., Indianapolis, Ind. Wood embossing machine. 14-F-33


422. Barnhart Bros. & Spindler, Chicago. a Old Ramage press. 33-T-38 b Type casting machines. c Type in its various stages.

INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

Exhibit Location.

356. Standard Sewing Machine Co., Cleveland, O. Sewing machines. 32-P-43


369. Willimantic Linen Co., of Hartford, Conn., Willimantic, Conn. Cotton thread machinery and spool cotton. 28-O-45


410. International Typograph Co., Cleveland, Ohio. Type-setting and type linecasting machine. 34-S-34

444. Lanston, Monotype Machine Co., Washington, D. C. Monotype machine. 34-S-33

449. Mergenthaler Linotype Co., New York. Type-setting machine. 34-S-33


450a. Montague & Fuller, Chicago. Book binder's machinery. 34-P-36

450b. National Cash Register Co., Dayton, O. Printing and advertising cash registering machines. 29-O-53


462. Thorne Type-setting Machine Co., Hartford, Conn. Type-setting machine. 34-Q-34


465. Duplex Color Disc Co., Chicago. Duplex color ink plate for printing presses. 35-T-37
### INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>465a</td>
<td>Orcutt Co., Chicago. Lithographic presses.</td>
<td>32-P-28</td>
</tr>
<tr>
<td>468</td>
<td>Ewen, Warren, Jr., &amp; Co., Chicago. Multi-color process exhibit.</td>
<td>32-S-45</td>
</tr>
<tr>
<td>495a</td>
<td>Buckeye Churn Co., Sidney, Ohio. Washing machines.</td>
<td></td>
</tr>
<tr>
<td>476b</td>
<td>Clough &amp; Maconnell, New York City. Wire corkscrews and machines for manufacturing same.</td>
<td>13-I-98</td>
</tr>
<tr>
<td>480</td>
<td>Crosby Steam Gage &amp; Valve Co., Boston. Steam gages, safety valves etc.</td>
<td>25-K-22</td>
</tr>
<tr>
<td>485</td>
<td>Detroit Lubricating Co., Detroit, Mich. Oil cups, valves, etc.</td>
<td>25-M-25</td>
</tr>
<tr>
<td>489</td>
<td>Faneuil Watch Tool Co., Boston. Watchmakers' lathes, etc.</td>
<td>32-Q-41</td>
</tr>
<tr>
<td>492</td>
<td>Geneva Optical Co., Chicago. Drill, lens and prism measure, grinders.</td>
<td>32-S-47</td>
</tr>
<tr>
<td>493a</td>
<td>Hancock Inspirator Co., Boston. Locomotive and stationary inspirators and jet apparatus.</td>
<td>27-K-38; BH6</td>
</tr>
<tr>
<td>494</td>
<td>Hardy, F. A., Chicago. Machines for grinding lenses and fitting them to the eye.</td>
<td>32-Q-47</td>
</tr>
</tbody>
</table>

---

### MACHINERY USED IN THE PREPARATION OF FOOD.

**555a.** De Loach Mill Manufacturing Co., Atlantic, Ga. Portable grinding mills. SMB.

### PLUMBING AND SANITARY MATERIALS.

**570.** Davis-Creswell M'fg Co., Denver, Col. Plumbers and steam-fitters' goods; models of patent wooden pipe for water. 26-M-27

### APPARATUS FOR ELECTRICAL MEASUREMENTS.

**571.** Brush Electric Co., Cleveland, Ohio. Ammeters and dials.

### MACHINES AND APPLIANCES FOR PRODUCING ELECTRICAL CURRENTS BY MECHANICAL POWER, DYNAMICAL ELECTRICITY.

**573.** Fort Wayne Electric Co., Fort Wayne, Ind.
- a Generators.
- b Arc dynamos.

**574.** Mather Electric Co., Manchester, Conn. Power generators.
BELGIUM.
Location—F-J, 5-10.

Exhibit
No.
28. Legrand, Achille, Mons.
   a Portable single rail tracks, tramway line, crossings, turn-tables, metallic sleepers.
   b Rolling stock.

BRAZIL.
Location—F, 12.

2. McHardy Cia., S. Paulo, Campinas. Machinery for hulling pulped or unpulped coffee.
3. Mechanica Importadora Cia., S. Paulo. Machinery for hulling pulped or unpulped coffee.

CANADA.
Location—F-J, 2-4.

18. Bertram, John, & Sons, Dundas, Ont. Planer, drill, lathe and shaper.
33. LeBaron, Geo. A., Sherbrooke, Que. Wire-working machinery.

FRANCE.
Location—H, 18-24.


INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

Belgium.
Location—F-J, 5-10.

Exhibit
No.
71. Combet, Joseph, Courbevoie (Seine). Confectioners' machine.

Brazil.
Location—F, 12.

2. McHardy Cia., S. Paulo, Campinas. Machinery for hulling pulped or unpulped coffee.
3. Mechanica Importadora Cia., S. Paulo. Machinery for hulling pulped or unpulped coffee.

Canada.
Location—F-J, 2-4.

18. Bertram, John, & Sons, Dundas, Ont. Planer, drill, lathe and shaper.
33. LeBaron, Geo. A., Sherbrooke, Que. Wire-working machinery.

France.
Location—H, 18-24.

INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

GREAT BRITAIN.

Location—M, 2-9 to R, 2-9.


21. Williams & Robinson, Ltd., Thames Ditton, Surrey.
   a Engines.
   b Driving shafting.
   c Engine and dynamo.


28. Wright, Peter, & Sons, Dudley. Anvils, vises, smith’s tools, etc.


36. Stevens, Thomas, Coventry. Figure loom.

37. Wilkinson, Thomas, Coventry.
   a Loom for silk fabrics.
   b Loom for cotton fabrics.


MEXICO.

Location—F-J, 16.


RUSSIA.


   a Light artillery, machines, guns, etc.
   b Heavy ordnance.


SPAIN.

Location K, 21.

1. Escuder y Castella, Miguel, Barcelona.
   a Gas motor.
   b Double action pump.

4. Escuder y Castellá, Miguel, Barcelona. Cork cutting machine, sewing machines and thickening, molding and planing machines, advertising drum.

17. Valls Hermanos, Barcelona. Press for making pastes and vermicelli; chocolate grinding machines, etc.
TRANSPORTATION BUILDING.

HOW TO FIND EXHIBITS.

For the purpose of the installation of exhibits the Transportation Building and Annex are divided into sections, lettered from "A" to "Z." Section "A" is the north end of the Annex; section "B" is the north end of the main building; sections "C" and "D" form the central court, and "E" the south end of the main building. The remaining sections are in the Annex, and consist of aisles running the length of the Annex. Along each aisle is a row of posts, numbered, and the sides of the aisles are indicated as "north" and "south." Thus, an exhibit located in the catalogue at "O-N 9 and 10," is on the north side of aisle or section "O," between posts numbered 9 and 10. The sections in the main building are divided into blocks, and the two rows of columns extending the length of the building are numbered. An exhibit located at "A-8" is in section "A," block 8. An exhibit located at "B-4-3," is in section "B," block 4, opposite column 3. These divisions and blocks appear on the plan in this catalogue.

The entresol or gallery floor is divided into seven sections, lettered from "A" to "G." The columns are numbered. Exhibits in the gallery are indicated by the abbreviation "Gal." An exhibit located "E gal. 42" is in gallery section E, opposite or near column 42.

There are three general divisions of exhibits in this department: The railway, marine and the vehicle divisions. For the most part the railway exhibits will be found in the annex. The vehicle exhibits occupy the northern end of the main building and the annex; the marine exhibits, a portion of the southern-central part of the main building and the southern portion of the east gallery; the bicycle and saddlery exhibits, the northern gallery. The exhibits of each foreign country are, however, grouped in one location.

On entering the building at the golden door, the visitor finds first at his right the exhibit of Great Britain. The English railway exhibit is located in the annex in sections U and V. North of the British exhibit will be found those of Canada, Brazil, Mexico and a portion of that of Spain. Then come some American railway exhibits and the American vehicle section.

Returning again to the golden door, the visitor turning to the left will observe the French section, including a large display of vehicles and railway machinery.

Immediately to the south of the French space will be found the exhibits of Russia, Austria, Turkey, Spain and Japan. Following these, to the south, is the principal portion of the American marine exhibit. The entire south end of the main building and the annex is devoted to the exhibit of the German empire.

The main portion of the annex, from the English exhibit in Section U to the German exhibit in section G, is occupied by a vast collection of American cars, locomotives and railway appliances of every possible description, and a considerable portion of the main building is also devoted to railways.

Beginning at the north and occupying very nearly the center of the annex is the exhibit prepared by the Baltimore & Ohio Railway Co. To the south of this is an exhibit of two trains of Pullman palace cars. Following this exhibit are passenger cars, various forms of freight, street and tram cars and an exceedingly large variety of locomotives representing every locomotive building establishment in the United States but two.

The south end of the gallery is occupied by a comprehensive exhibit by the associated engineering societies of Germany. The southern portion of the east gallery is devoted to marine, and the northern to bicycles. The north end of gallery is devoted to saddlery. The northwestern gallery belongs to the British section and contains bicycles and interesting loan exhibits. The southwestern gallery includes the marine and engineering divisions of the French section, the Netherlands and the Cape of Good Hope.

The large exhibits of the New York Central Railroad and the Wagner Palace Car Co. are south of the Annex, and the extensive exhibit of the Pennsylvania Railroad is still further south across the street leading to the 64th street entrance. Both of these companies have buildings, besides their out-of-door exhibit.
### INTERESTING EXHIBITS

**Department G.—Transportation.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>106a.</td>
<td>M-N-14</td>
</tr>
<tr>
<td>124.</td>
<td>P-N-10-15</td>
</tr>
<tr>
<td>130.</td>
<td>W-N &amp; X-S-4</td>
</tr>
<tr>
<td>145.</td>
<td>D-4 opp. 15</td>
</tr>
<tr>
<td>155.</td>
<td>Y-S-8</td>
</tr>
<tr>
<td>161.</td>
<td>P-N-4 to 9</td>
</tr>
<tr>
<td>170.</td>
<td>N-S-12 to 17 &amp; N-N-15 &amp; 16</td>
</tr>
<tr>
<td>175.</td>
<td>N-S-5 to 11</td>
</tr>
<tr>
<td>175a.</td>
<td>W-N-X-S-1-3</td>
</tr>
</tbody>
</table>

#### UNITED STATES.

Railways, Railway Plant and Equipment.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.</td>
<td>D-7-18</td>
</tr>
<tr>
<td>17.</td>
<td>A-10</td>
</tr>
<tr>
<td>19.</td>
<td>L-S-8 &amp; 9</td>
</tr>
<tr>
<td>20.</td>
<td>L-S-8 &amp; 9</td>
</tr>
<tr>
<td>31.</td>
<td>J-4</td>
</tr>
<tr>
<td>33.</td>
<td>R-N &amp; T</td>
</tr>
<tr>
<td>36.</td>
<td>K-N &amp; K-S, 4 to 14; I-N-4 &amp; 8; L-S-11</td>
</tr>
<tr>
<td>49.</td>
<td>R-N &amp; T</td>
</tr>
<tr>
<td>53.</td>
<td>L-S-11</td>
</tr>
<tr>
<td>105.</td>
<td>Y-N-8 &amp; Z-S-8</td>
</tr>
</tbody>
</table>

- Austin, F. C., Manufacturing Company, Chicago: Grader, ditcher, and wagon loader.
- Baldwin Locomotive Works, Philadelphia: Locomotives.
- Baltimore & Ohio Railroad Co., Baltimore: a) Freight and passenger locomotives, passenger cars, views on line of road. b) Historical showing of the development of the railway and locomotive, consisting of 13 old engines, 39 full-size reproductions, three old cars, specimens of old track, picture gallery containing 1,750 pictures. c) Historical reproduction of first train run in state of New York.
- Boydend Brake Company, Baltimore: Air brake equipments for cars and locomotives.
- Brooks Locomotive Works, Dunkirk, N. Y.: Locomotives.
- Bucyrus Steam Shovel & Dredge Co., South Milwaukee, Wis.: Shovels, buckets, models, and photos.
- Clark E. Warren, Rockford, Ill.: Locomotive, The "General," captured by "Andrew's Raiders."
- Hunt, C. W., Company, New York: Machinery for handling material.
INTERESTING EXHIBITS IN DEPARTMENT G.—TRANSPORTATION.

Exhibit No. Location.


185. Pullman Palace Car Company, Chicago. a Complete vestibule train. b Passenger coaches, locomotives, etc. Q-N&R-S-1 to 14 c Model of town of Pullman, Ill. D-8


242. Western Wheeled Scraper Company, Aurora, Ill. Wheeled scrapers, drag scrapers, road machines, dump carts, grading plows, elevating graders and rock-crushers, etc. Y-N&Z-12

Street Car and Other Short Line Systems.

261. Cook Elevated Electric Railroad, Chicago. Model of elevated electric double track railway. C-2-9


270. Hallidie, A. S., San Francisco. Dummy used on first cable road and section of road-bed; grip and pulleys and model of rope way. L-N-17

276. Ludlow, Geo. M., Elgin, Ill. Model of electric car and track. O-N-17


Vehicles and Methods of Transportation on Common Roads.


315. Austin, F. C., Manufacturing Company, Chicago. a Dump wagon. b Street sweeper. A-10


355. Columbus Buggy Co., Columbus, Ohio. a Light pleasure vehicles. b Carriage formerly belonging to President Polk. B-5 c Mexican ox-cart. d Japanese jinricksha.


381. Empire Cross Spring Co., Janesville, Wis. Large pleasure wagons. A-4


387. Fish Bros. Wagon Co., Racine, Wis. a Lumber gear. b Heavy wagons. A-7


413. Hickory Wheel Co., Newton, Mass. a Sulkies. b Bicycles and parts. F gal. 25

416. Hill, Thomas, Jersey City, N. J. Wagon, dumping cart. A-7


449. McIntosh Huntingdon Co., Cleveland, Ohio. Bicycles and parts. F gal. 26


460a. Mitchell & Lewis Co., Racine, Wis. a Farm wagon. b Express wagons. c Light pleasure vehicles.

### INTERESTING EXHIBITS IN DEPARTMENT G.—TRANSPORTATION.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>482. Racine Wagon &amp; Carriage Co., Racine, Wis. a Wagns.</td>
<td>A-1 &amp; 6</td>
</tr>
<tr>
<td>b Light pleasure vehicles.</td>
<td></td>
</tr>
<tr>
<td>506. Schuttler &amp; Hotz, Chicago. a Wagon and cart. b Special purpose wagons.</td>
<td>A-5</td>
</tr>
<tr>
<td>510a. Staver &amp; Abbott Manufacturing Co., Chicago. a Road wagon.</td>
<td>B-3</td>
</tr>
<tr>
<td>b Coupe.</td>
<td></td>
</tr>
<tr>
<td>c Four-in-hand coach.</td>
<td></td>
</tr>
<tr>
<td>d Spyder harness.</td>
<td></td>
</tr>
<tr>
<td>527. Streich, A., &amp; Bros., Oshkosh, Wis. a Trucks and carts.</td>
<td>A-10</td>
</tr>
<tr>
<td>b Special purpose wagons.</td>
<td></td>
</tr>
<tr>
<td>c Log sled.</td>
<td></td>
</tr>
<tr>
<td>b Sets of harness.</td>
<td>B-47</td>
</tr>
<tr>
<td>529. Studebaker Bros. Manufacturing Co., South Bend, Ind. a South American, Mexican and dump carts, wagons. B-6—A-8</td>
<td></td>
</tr>
<tr>
<td>b Wagons for special purposes, platform trucks, sprinklers.</td>
<td></td>
</tr>
<tr>
<td>c Wagonettes.</td>
<td></td>
</tr>
<tr>
<td>d Wagon and sleigh specialties.</td>
<td></td>
</tr>
<tr>
<td>537b. World’s Columbian Exposition—Ancient Transportation illustrated by a Replica of ancient chariot found in a tomb of the Acropolis of Thebes, Egypt, believed to be a Scythian racing chariot. Original in Royal Egyptian Museum, Florence, Italy. b Replicas of bas-reliefs from ancient Etruscan tombs, showing chariots, etc.</td>
<td>F gal. 12-13</td>
</tr>
</tbody>
</table>

---

### Vessels, Boats—Marine, Lake and River Transportation.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>590a. Bucyrus Steam Shovel &amp; Dredge Co., South Milwaukee, Wis. a Models, photographs, etc.</td>
<td>W-N-4-8</td>
</tr>
<tr>
<td>b Dredge buckets.</td>
<td></td>
</tr>
<tr>
<td>604. Detroit Boat Works, Detroit, Mich. a Models of boats.</td>
<td>D-1-22</td>
</tr>
<tr>
<td>b Steam and electric launches.</td>
<td></td>
</tr>
<tr>
<td>c Marine hardware.</td>
<td></td>
</tr>
<tr>
<td>d Life boat and raft.</td>
<td></td>
</tr>
<tr>
<td>611. Essex Institute &amp; Peabody Academy of Science, Salem, Mass. a Drawings of ships.</td>
<td>E gal. 33</td>
</tr>
<tr>
<td>b Photos of exhibits, nautical instruments.</td>
<td></td>
</tr>
<tr>
<td>666. Rushton, J. H., Canton, N. Y. a Row and sail boats; canoes.</td>
<td>E gal. 31-32</td>
</tr>
<tr>
<td>b Fittings for small boats.</td>
<td></td>
</tr>
<tr>
<td>678a. Straus, Samuel, Belleville, Ill. Model of “Santa Maria.”</td>
<td>E gal. 26</td>
</tr>
</tbody>
</table>

### AFRICA.

**Location—F Gal.**


2. Bannister, Edward, U. S. Consul. Bimba or log canoe, with photograph showing its use by natives and Donga or dugout canoe from St. Paul de Loanda.

### CANADA.

**Location—G, 2-4-6-8 and 11, V- N-1-13 in Annex.**


46. English, Wm., Canoe Co., Peterboro, Ont. Canoes,
INTERESTING EXHIBITS IN DEPARTMENT G. TRANSPORTATION.

FRANCE.


Exhibit No.
1. Carel Freres et Cie., Mans (Maine-et-Loire). Railway carriage, etc.
   a French State standard locomotive.
   b Brake apparatus. Photographs.
   a Photographs, plan of the station, maps of the line.
   b High speed compound locomotive.

GERMANY.

Location—Sec. E, Main Bldg.; Secs. F, G. 9 and one-half of H in Annex, from 1 to 20; Secs. F, D and C in Gal.

3a. George-Marien-Bergwerks und Hutten, Verein, Osnabruck. Historical collection of pieces of railway track, showing the development of track construction from the beginning of practical railroad ing up to the present time.


GREAT BRITAIN.


   a Rails. U-N-1-4 Annex
   b Engine and vacuum brake.
   c Views.
   a Passenger locomotive and cars, models, boiler tube cutters, etc.

Exhibit No.
   a Photographs of passenger engines, carriages and appliances.
   b Views of places.
12. Plymouth Works, Merthy Tydfil, Wales. Two wagons or trucks, which were the first ever drawn on a railway by steam, having been a portion of the train drawn by Trevithick’s locomotive in 1804. Section of the original track with flange rails laid on stone stringers. Drawings of Trevithick’s locomotive, etc. Installed in Baltimore & Ohio railroad historical exhibit, in American section.
   a Expansion gear for bridges and rail joint. U-N-5 Annex
   b Express passenger locomotive.
16b. Berens, Randolph, London. Silver spurs taken from the feet of Sir Thomas Picton, when he was killed at the Battle of Waterloo. B gal.
   a Dress coach used by the Lord Mayor of London.
   b Cee spring dress chariot formerly belonging to the late Duke of Newcastle.
   c Four-in-hand drag built for H. R. H., the Prince of Wales.
   d Royal landau used at jubilee of H. M., Queen Victoria.
   e Two-wheel curriole.
   f Model of old York mail, the first to run between London and York.
   a Models of ships and yachts.
   b Models of tug boats, etc.
INTERESTING EXHIBITS IN DEPARTMENT G.—TRANSPORTATION.

Exhibit No.
75. White Star Line, Liverpool.
   a Models of sailing ships.
   b Models of steamships.

INDIA.
   a Models of bullock carts.
   b Models of palanquins.
   c Models of elephant's trappings.

LATIN AMERICA.
Location—A Gal., N. E. Cor.
Illustrations of Transportation Methods in South American Countries.
1. Collection of pictures from original photographs.
2. Colombian rider's outfit (mounted figure), Bogota, Colombia.
3. "Arriero" or mule driver and outfit (mounted figure), Bogota, Colombia.
4. South American "lecherò" or milk woman (mounted figure), Bolivia.
5. Pack mule with panniers, etc.
6. Donkey or "burro" with pack-saddle.
7. Llama—one of the principal carriers of South America.
8. Male cargadore or pack carrier.
9. Female cargadore or pack carrier.
10. Cargadore or pack carrier with "silla" or chair for carrying passenger on his back.

RUSSIA.
Location—D, 10-16.
7. Markav, Mr.
   a Light pleasure carriages.
   b Sleighs, sleds, cutters, etc.

SIAM.
1. Siamese Commission, Siam. E gal. 26
   a Models of bullock carts and other native vehicles.
   b Elephant howdah or saddle of carved ivory.

SWITZERLAND.
Location—North end of building, main floor.

WEST INDIES.
4. People of San Domingo. Model of Columbus' flag ship "Santa Maria," made for the 400th anniversary of the Landing of Columbus. Inside Golden Door entrance
MANUFACTURES AND LIBERAL ARTS BUILDING.

DEPARTMENT OF MANUFACTURES.

HOW TO FIND EXHIBITS.

The Department of Manufactures occupies all of the ground floor of the Manufactures and Liberal Arts Building, except Section I, in the southeast corner, which is occupied by the Department of Liberal Arts. The Manufactures department also occupies gallery Sections F and G. The main floor is divided into sixteen sections, lettered from A to Q, and each section is divided into four blocks, numbered from 1 to 4, except Sections A, I, H and Q, which have three blocks. By consulting the ground plan in this catalogue these floor divisions can be located. The exhibits in manufactures are installed by classified groups, collectively, and the location of each group is indicated under the group head in the catalogue. For example, all the exhibits of jewelry, embraced in Group 98, are installed in Section N, Block 1 and Section O, Block 1. All silk goods, classified as Group 100, are in Section O, Block 1. The location of the foreign countries is indicated under their headings in the catalogue.

On reference to the diagram of the ground floor it will be seen that several of the exhibits by classified groups are given. Wherever they appear, that is the location of the group. The foreign countries, too, are marked on the plan where their exhibits are installed. As an aid to the diagram and an additional help to the visitor, the location of the several classified groups are given herewith, all of which will be self-explanatory.

Chemical and pharmaceutical products and druggists' supplies are installed, with two exceptions, in Section Q, Block 1. Paints, colors, dyes and varnishes in Section H, Block 1, Section G, Block 2, and Gallery F-4. Typewriters, paper, blank books, stationery in Section G and in Gallery, Sections F and G. Furniture of interiors, upholstery and artistic decorations in Section N, Blocks 1, 2 and 3, Section O, Block 2, Section P, Block 2, and Section Q, Block 1, and Gallery F and G. Ceramics and Mosaics in Sections H, O and N, and Gallery F. Marble, stone and metal monuments, mausoleums, mantels, etc., caskets, coffins and undertakers' furnishing goods in Sections H, Block 2, and N, Block 1. Art metal work—enamels, etc., in Sections G, Block 3, H, Blocks 1 and 2, and N, Block 1. Glass and glassware in Sections H, Block I, N, Block 1, and Gallery F, Blocks 1 and 13, Stained glass in decoration in Sections N, Block 1, H, Block 1, and Gallery, Section F. Carvings in various materials in Sections N, Block 1, and P, Block 2. Gold and silverware, plate, etc., in Section N, Block 1, with one exception. Jewelry and ornaments in Section N, Blocks 1, and Section O, Block 1. Horology, watches, clocks, etc., in Section O, Block 1, with one exception. Silk and silk fabrics in Section O, Block 1, with two ex-
exceptions Fabric of jute, ramie and other vegetable and mineral fibres in Gallery, Section F, Blocks 12 and 14. Yarns and woven goods of cotton, linen and other vegetable fibres in Sections O, Block 1, P, Block 1, and Gallery, Section F. Woven and felted goods of wool and mixtures of wool in Section P, Block 1, except Classes 646 (upholstery goods) and 649 (carpets), which are installed in Gallery, Sections F and G. Clothing and costumes in Section P, Block 1, N, Block 1, and Gallery, Sections F and G. The Merchant Tailors' exhibit is in a special building. Furs and fur clothing in Section G, Block 1. Laces, embroideries, trimmings, artificial flowers, fans, etc., in Section N, Block 1, and Gallery, Sections F and G. Hair work, coiffures and accessories of the toilet in Gallery, Sections F and G. Traveling equipments, valises, trunks, toilet cases, fancy leather work, canes, umbrellas, parasols, etc., in Section N and Gallery, Sections F and G, with one exception. Rubber goods, caoutchouc, gutta percha, celluloid and zylonite in Gallery, Section G. Toys and fancy articles in Gallery, Sections F and G. Scales, weights and measures in Section Q, Block 1. Material of war; ordnance and ammunition; weapons and apparatus of hunting, trapping, etc.; military and sporting small arms in Sections Q, Block 3, P, Block 4, and N, Block 1. Lighting apparatus and appliances in Section N, Blocks 1 and 3. Heating and cooking apparatus and appliances in Sections O, Blocks 3 and 4, N, Block 4, and P, Block 4. Refrigerators, hollow metal ware, tinware, enameled ware in Sections P, Blocks 3 and 4, H, Block 3, G, Block 4, O, Block 2, and N, Block 4. Wire goods and screens, perforated sheets, lattice work, fencing, etc., in Section Q, Blocks 2 and 3, H, Block 3, and N, Block 1. Wrought iron and plain metal exhibits in Sections G, Block 4, H, Block 3, P, Block 4, and N, Block 1. Vaults, safes, hardware, tools, cutlery in Sections P, Blocks 3 and 4, O, Block 3, Q, Block 2, and Gallery, Section F. Plumbing and sanitary materials in Section N, Block 4. Miscellaneous articles of manufacture in Sections P, Block 4, Q, Block 1, and Gallery, Sections F and G.

The collective exhibits of the New England Manufacturing Jewelers' Association is located in Sec. O-1 and that of the United States Potters' Association is located in Sec. Q-1. The Merchant Tailors' exhibit is installed in a special building situated on the lagoon, N. W. of the Fish and Fisheries Building and the Women's Department in Manufactures has its exhibits installed as shown in the diagram in Sec. F, 6 and 11. The location of the foreign countries are as follows: Argentine Republic, Sec. B, Block 4; Austria, Secs. C and D and F, Blocks 1, 2, 3, 4; Belgium, Sec. L, Blocks 1, 2, 3, 4; Bulgaria, Sec. B, Block 2; Canada, Sec. B and Sec. C, Block 1; Ceylon, Sec. C, Block 3; China, Sec. K, Block 4; Korea, Sec. B, Block 3; Denmark, Sec. B, Block 1; France, Sec. H and Secs. M and L, Blocks 1, 2, 3, 4; Germany, Secs. A and C and Secs. E and F, Blocks 1, 2, 3, 4; Great Britain, Sec. B and Secs. C and D, Blocks 1, 2, 3, 4; India, Sec. C, Block 3; Italy, Secs. A, C and D, Blocks 1 and 3; Jamaica, Sec. C, Block 4; Japan, Sec. G, Blocks 1, 2, 3, 4; Mexico, Sec. A, C and D, Block 3; Monaco, Sec. B, Block 3; Netherlands, Sec. A; New South Wales, Secs. B and C, Block 2; Norway, Sec. K, Block 1; Persia, Sec. A, Block 2; Russia, Secs. D and K, Blocks 1, 2, 3, 4; Siam, Sec. A, Block 3; Spain, Sec. A, Blocks 1 and 2 and B, Blocks 2 and 3 and Switzerland, Sec. B, Block 1.
WORLD'S COLUMBIAN EXPOSITION.
MANUFACTURES AND LIBERAL ARTS BUILDING.
UNITED STATES.

Chemical and Pharmaceutical Products—Druggists' Supplies.

Exhibits in this group are installed, with two exceptions, in Section Q, Block 1.

Exhibit No. Location.

Paints, Colors, Dyes and Varnishes.

Exhibits in this group are installed in Section H, Block 1, Section G, Block 2, and Gallery F-4.

40. Berry Bros., Ltd., Detroit, Mich. Varnishes. H-1

Typewriters, Paper, Blank Books, Stationery.

Exhibits in this group are installed in Section G and in Gallery, Sections F and G, with one exception.


Exhibit No. Location.

Furniture of Interiors, Upholstery and Artistic Decorations.

Exhibits in this group are installed in Section N, Blocks 1, 2 and 3; Section Q, Block 2, Section P, Block 2, and Section Q, Block 1, and Galleries F and G.

144. Brunswick-Balke-Collender Co., Chicago. Furniture for clubs, billiard and bar rooms. Q-1

INTERESTING EXHIBITS

IN

Department H.--Manufactures.
INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>244.</td>
<td>N-1</td>
</tr>
<tr>
<td>Rookwood Pottery Company, Cincinnati. Artistic pottery.</td>
<td></td>
</tr>
<tr>
<td>248.</td>
<td>Q-1</td>
</tr>
<tr>
<td>254.</td>
<td>N-1</td>
</tr>
<tr>
<td>262.</td>
<td>H-1</td>
</tr>
<tr>
<td>262a.</td>
<td>N-1</td>
</tr>
<tr>
<td>Gorham Manufacturing Co., Providence, R. I.</td>
<td></td>
</tr>
<tr>
<td>267.</td>
<td>G-8</td>
</tr>
<tr>
<td>Western White Bronze Company, Des Moines, la. Monuments, statuary, busts, medallions, etc.</td>
<td></td>
</tr>
<tr>
<td>268.</td>
<td>H-1</td>
</tr>
<tr>
<td>Diamond Plate Glass Company, Kokomo, Ind. Plate glass.</td>
<td></td>
</tr>
</tbody>
</table>

Exhibits in group are installed in Section H, Block 2, and N, Block 1.

Ceramics and Mosaics.
Exhibits in this group are installed in Sections H, O and N and Gallery F.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>145.</td>
<td>N-2</td>
</tr>
<tr>
<td>Buffalo Brass &amp; Iron Bedstead Co., Buffalo, N. Y. Brass and iron bedsteads.</td>
<td></td>
</tr>
<tr>
<td>154.</td>
<td>N-2</td>
</tr>
<tr>
<td>Dibblee, Henry, Co., Chicago. Furniture, mantels and decorations.</td>
<td></td>
</tr>
<tr>
<td>155.</td>
<td>Q-1</td>
</tr>
<tr>
<td>156.</td>
<td>P-2</td>
</tr>
<tr>
<td>150b.</td>
<td>P-2</td>
</tr>
<tr>
<td>162.</td>
<td>O-2</td>
</tr>
<tr>
<td>Herts Brothers, New York. Furniture decorations and draperies.</td>
<td></td>
</tr>
<tr>
<td>167.</td>
<td>N-2</td>
</tr>
<tr>
<td>Indianapolis, Ind., Unified Furniture Exhibit.</td>
<td></td>
</tr>
<tr>
<td>169.</td>
<td>O-2</td>
</tr>
<tr>
<td>171.</td>
<td>O-2</td>
</tr>
<tr>
<td>175.</td>
<td>P-2</td>
</tr>
<tr>
<td>178.</td>
<td>P-2</td>
</tr>
<tr>
<td>Marks Adjustable Folding Chair Company, Chicago. Folding chairs.</td>
<td></td>
</tr>
<tr>
<td>182.</td>
<td>New York.</td>
</tr>
<tr>
<td>192.</td>
<td>Gal. F</td>
</tr>
<tr>
<td>Richter, August F., Chicago. Mirrors, picture frames and moldings.</td>
<td></td>
</tr>
<tr>
<td>194.</td>
<td>O-2</td>
</tr>
<tr>
<td>Rockford, Ill., Unified Furniture Exhibit.</td>
<td></td>
</tr>
<tr>
<td>195.</td>
<td>Q-1</td>
</tr>
<tr>
<td>Rothschild's, R., Sons Co., Cincinnati. Bar-room equipments.</td>
<td></td>
</tr>
<tr>
<td>206.</td>
<td>N-2</td>
</tr>
<tr>
<td>Whitcomb Metallic Bedstead Company, Birmingham, Conn. Brass and iron beds and mattresses.</td>
<td></td>
</tr>
<tr>
<td>207.</td>
<td>P-2</td>
</tr>
<tr>
<td>Windsor Folding Bed Company, Chicago. Folding beds, tables, chairs, etc.</td>
<td></td>
</tr>
<tr>
<td>210.</td>
<td>Cermatics and Mosaics.</td>
</tr>
<tr>
<td>216.</td>
<td>H-1</td>
</tr>
<tr>
<td>220.</td>
<td>H-1</td>
</tr>
<tr>
<td>236.</td>
<td>H-1</td>
</tr>
<tr>
<td>Northwestern Terra Cotta Company, Chicago. Terra cotta.</td>
<td></td>
</tr>
<tr>
<td>241.</td>
<td>H-1</td>
</tr>
</tbody>
</table>

Glass and Glassware.
Exhibits in this group are installed in Section H, Block 1, N, Block 1, and Gallery F, Blocks 1 and 13.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>267.</td>
<td>H-1</td>
</tr>
<tr>
<td>Western White Bronze Company, Des Moines, la. Monuments, statuary, busts, medallions, etc.</td>
<td></td>
</tr>
<tr>
<td>268.</td>
<td>H-1</td>
</tr>
<tr>
<td>Diamond Plate Glass Company, Kokomo, Ind. Plate glass.</td>
<td></td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No. Location.
270. Libbey Glass Co., Toledo, Ohio. Cut glassware. H-1

Stained Glass in Decoration.
Exhibits in this group are installed in Section N, Block 1, H, Block 1 and Gallery, Section F.


Gold and Silverware, Plate, etc.
Exhibits in this group are installed in Section N, Block 1, with one exception.

301. Meriden Britannia Company, Meriden, Conn. Silver-plated ware. N-1
   a Silverwares. O-1
   b Diamond jewelry.
305. Rogers, Wm., Manufacturing Company, Hartford, Conn. Silver, gold and silver-plated ware. N-1
   a Gold and silver ware, the Magnolia vase, collection of yachting trophies, etc. N-1
   b Silver table ware, plates, salvers, tureens, bowls, baskets, candelabra, epergnes, etc.
   c Silver knives, forks and spoons.
   d Fancy bonbon and other spoons, snuff boxes, match boxes, cane heads, handles, chatelaines, etc.
   e Ware of mixed metals, Mokume ware, inlaid and incrusted ware.
   f Plated ware on white metal.

Jewelry and Ornaments.
Exhibits in this group are installed in Section N, Block 1 and Section O, Block 1.

Exhibit No. Location.

Horology, Watches, Clocks, etc.
Exhibits in this group are installed in Section O, Block 1, with two exceptions.

365. Waterbury Watch Company, Waterbury, Conn. Watches and clock. O-1

Silk and Silk Fabrics.
Exhibits in this group are installed in Section O, Block 1, with three exceptions.

   a Sewing machine twist.
   b Silks for linings.
   c Serges, surahs and satins.
   d Dress silks.
   e Braids.
374. Cheney Bros., South Manchester, Conn.
   a Plain woven silks, etc.
   b Figured silk piece upholstery goods. Gal. G-14
   c Ribbons.
   d Silk fabrics.
   a Silks, machine twist.
   b Silk underwear, hosiery and mittens.
   c Braids and bindings.
394. Phoenix Silk Manufacturing Company, Paterson, N. J.
   a Dress silks.
   b Handkerchiefs, etc.
   c Ribbons, bookmarks, etc.
   d Silk braids.
INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Yarns and Woven Goods of Cotton, Linen and other Vegetable Fibres.

Exhibits in this group are installed in Section O, Block 1, except those in P-1, and Gallery F.

Exhibit No. Location.

Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibits in this group are installed in Section P, Block 1, except Classes 646 (upholstery goods) and 649 (carpets), which are installed in Gallery, Sections F and G.

Sanford Mills, Sanford, Me.

a Kerseys.
b Carriage robes, rugs and horse-blankets.
c Furniture and car pluses, etc.

Clothing and Costumes.

Exhibits in this group are installed in Section P, Block 1, N, Block 1, and Gallery, Sections F and G. The Merchant Tailors' exhibit is in a special building.

Jaeger's Dr. Sanitary Woolen System Company, New York. Knit goods, hosiery, etc. P-1
Jaros Hygienic Underwear Co., New York. Woolen underwear. P-1
Lewis Knitting Company, Janesville, Wis. Woolen underwear, knit goods, hosiery, etc. P-1

Exhibit No. Location.
723. Wilde, James, Jr., & Co., Chicago. Men's, boys' and children's clothing. Gal. G-9

Furs and Fur Clothing.

Exhibits in this group are installed in Section G, Block 1.


Gunther's C. G., Sons, New York. Furs and skins, stuffed animals.


Shayne & Co., Chicago. Furs, fur garments and pelts.

Wolf & Periolat, Chicago. Furs and garments, mounted animals.


Hair Work, Coiffures and Accessories of the Toilet.

Exhibits in this group are installed in Gallery, Sections F and G.


Traveling Equipments, Valises, Trunks, Toilet Cases, Fancy Leather Work, Canes, Umbrellas, Parasols, etc.

Exhibits in this group are installed in Section F and Gallery, Sections F and G, with one exception.

DeMuth, Wm., & Co., New York. a Smokers' articles. O-1
b Walking canes.


Rubber Goods, Caoutchouc, Gutta Percha, Celluloid and Zylonite.

Exhibits in this group are installed in Gallery, Section G.

INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No. Location.

Toys and Fancy Articles.

Exhibits in this group are installed in Gallery, Sections F and G, with one exception.


Scales, Weights and Measures.

Exhibits in this group are installed in Section Q, Block 1.

845. Buffalo Scale Company, Buffalo, N. Y. Scales

Material of War; Ordnance and Ammunition; Weapons and Apparatus of Hunting, Trapping, etc.; Military and Sporting Small Arms.

Exhibits in this group are installed in Section Q, Block 3, P, Block 4, and N, Block 1.

869. Union Metallic Cartridge Company, Bridgeport, Conn. Metallic ammunition.
870. Winchester Repeating Arms Company, New Haven, Conn.
   a Military small arms and ammunition. Q-3
   b Sporting and hunting fire-arms; reloading tools.

Lighting Apparatus and Appliances.

Exhibits in this group are installed in Section N, Blocks 1 and 8.

872. American Brass and Lamp Co., Trenton, N. J. Lamps; fancy brass and opal glass articles. N-3
873. Dietz, R. E., Chicago. Lamps and lanterns. N-3

Heating and Cooking Apparatus and Appliances.

Exhibits in this group are installed in Section O, Blocks 3 and 4, N, Block 4; and P, Block 4.

Exhibit No. Location.
890. Chicago Stove Works, Chicago. Ranges and stoves. O-4
906. Fuller, Warren Co., Milwaukee, Wis. Furnaces and heating apparatus. O-4
923. Mason & Davis Co., Chicago. Ranges and laundry stoves. O-4
932. Peninsular Stove Co., Detroit, Mich. a Furnaces. O-4
   b Stoves, ranges.

Refrigerators, Hollow Metal Ware, Tinware, Enameled Ware.

Exhibits in this group are installed in Section P, Blocks 3 and 4; H, Block 3; G, Block 4; O, Block 2, and N, Block 4.

954a. Adams & Westlake, Chicago. Oil cans, flour sifters, etc. G-4
955. Alaska Refrigerator Co., Muskegon, Mich. Refrigerators; beer coolers, etc. 1-4
### Wire Goods and Screens, Perforated Sheets Lattice Work, Fencing, etc.

Exhibits in this group are installed in Section Q, Blocks 2 and 3; H, Block 3; and N, Block 1.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>

### Wrought Iron and Plain Metal Exhibits.

Exhibits in this group are installed in Section G, Block 4; H, Block 3; P, Block 4, and N, Block 1.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>

### Vaults, Safes, Hardware, Tools, Cutlery.

Exhibits in this group are installed in Section P, Blocks 3 and 4; O, Block 3; Q, Block 2, and Gallery, Section F.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>

### AUSTRIA.

Location—Secs. C, D and F, Blocks 1-2-3-4.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.</td>
<td></td>
<td>Chivalla, Rud &amp; Sohn, Vienna.</td>
</tr>
<tr>
<td>46.</td>
<td></td>
<td>Wahliss, Ernst, Vienna.</td>
</tr>
<tr>
<td>57.</td>
<td></td>
<td>Schwarz, Anton, Vienna. Art metal work.</td>
</tr>
<tr>
<td>62.</td>
<td></td>
<td>Goldberg, Karl, Haida (Bohemia). Decorated glass goods.</td>
</tr>
<tr>
<td>77.</td>
<td></td>
<td>Wagner, Franz, Ulrichthal-Meistersdorf (Bohemia). Fancy glassware.</td>
</tr>
<tr>
<td>80.</td>
<td></td>
<td>Amber Turners of Vienna. Collective exhibit: Amber and meerschaum work.</td>
</tr>
<tr>
<td>169.</td>
<td></td>
<td>Traub &amp; Strauss, Vienna.</td>
</tr>
</tbody>
</table>

### Miscellaneous Articles of Manufacture not Heretofore Classed.

Exhibits in this group are installed in Section P, Block 4; Q, Block 1, and Gallery, Sections F and G.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>82.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT H. - MANUFACTURES.

Exhibit No. 185. Wuerzel, M., & Soehne, Vienna.
   a Leather fancy goods.
   b Traveling equipments.

BELGIUM.
Location — Sec L, Blocks 1-2-3-4.
23. Rosel, F., Brussels.
   a Furniture.
   b Draperies.
29. Boch, frères, La Louvière.
   a Porcelain table ware.
   b Tiles.
   c Mural decorations.
78. Fontaine Frères, Leuze. Hosiery.
82. Manufacture de feutres et chapeaux, Brussels. Hats.
86. Block, Edmund, Gendbrugge. Furs and skins.
87. Jaubert, Edmond, Cureghsem.
   a Dyed furs and skins.
   b Muffs, etc.
   a Military fire-arms.
   b Sporting fire-arms.

CANADA.
   a Bamboo furniture.
   b Mantels.
   c Moldings.
   a Silk thread.
   b Ribbons.

Exhibit No. 44. Coaticook Knitting Co., Coaticook Que. Underwear.
50. Slater, Geo. T., & Sons, Montreal, Boots, shoes and slippers.

CEYLON.
Location — Sec. C, Block 3.
127. De Silva, B. L. Ivory elephant set with precious stones, and ivory elephant with gold trappings.
128. Elyas, Dou.
   a Ebony elephants and boxes.
   b Ivory elephants.
144. Mohama Mohammed, A. L. M. Necklace, bracelets and brooches of precious stones.
145. Mohammed, A. L. M. Necklace and bangles of moonstone and rubies, and necklace with sapphires.
158. Ceylon Commission. Painted teapots, boxes, stands, tortoise shell work, ebony and inlay work, elephants' feet mounted, etc. (70 exhibits.)

CHINA.
Location — Sec. K, Block 4.
1. Kee Chun Quan, Canton.
   a Fancy chairs.
   b Fancy tables.
   c Artistic furniture, cabinets and screens.
   d Sewing and embroidery.
2. Kee Lee Kwong, Kinkiang.
   a Stoneware and pottery.
   b China, semi-porcelain, etc.
   c Porcelain.

DENMARK.
Location — Sec. B, Block 1.
10. Larsen & Andersen, Copenhagen. Carved furniture.
12. Plum, Chr. & Vaid., Copenhagen. Dining room furniture.
INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No.

41. Ernst, Soren, Copenhagen. Carved screen with painting.

   a Furs and skins.
   b Fur clothing.

FRANCE.


   a Furniture.
   b Tapestry.
   c Wainscoting.
   d Artistic objects.
   e Embroidery.


   a Hangings, etc.
   b Fancy furniture.


112. Quignon, Gustave, Paris. Furniture etc.


138. Manufacture Nationale de Sevres, Sevres (Seine-et-Oise), China.

139. Muller, E., et Cie., Yvy-Port, pres Paris (Seine). Ornamentation in terra cotta and sandstone.


   a Gold and silver ware.
   b Enameled ware.


Exhibit No.

300. Saurel Freres, Nimes (Gard). Upholstery silks.


   a Furs.
   b Fur clothing.


   a Laces.
   b Embroidery.


GERMANY.

Location—Secs. A and C and secs E and F Blocks 1, 2, 3 and 4.

146. Groschkus, T., Berlin.
   a Furniture.
   b Mirrors.


INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No.

246a. Royal Saxon Porcelain Manufacturers, Meissen, Saxony. Fine porcelain goods of all kinds.


298. Wichart, T., Munich. Embossed copper ware.


429. Wollenweber, Eduard, Munich. Goblets, coffee and tea sets, etc.


GREAT BRITAIN.

Location—Sec. B and Secs. C and D, blocks 1-2-3-4.


Exhibit No.

33. United Alkali Company, Ltd., Liverpool. Bleaching powder, salts, ammonia, etc.


68. Hampton & Sons, London. Reproduction in carved oak, of the banqueting hall of Hatfield House, the seat of the Marquis of Salisbury.


70. Johnstone, Norman & Co., London. a Dining table.

77. Ault, William, Burton-on-Trent. Artistic pottery.


80. Daniell, A. B., & Sons, London. a Porcelain, pâte-sur-pâte, etc.

81. Doulton & Co., London. a Stoneware and ceramic wall decorations, Doulton ware.

82. Gibson & Sons, Burslem. Rockingham ware.


90. Worcester Royal Porcelain Company, Ltd., Worcester. a Tea, breakfast and dessert services in china.

106. Mappin Brothers, London. a Louis Seize toilet service, presentation and testimonial pieces, salts and perfume bottles.

INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

ITALY.

Location—Secs. A, block 1: B, block 3 and D.

42. Pogliani, Ferdinando, Milan. Artistic furniture.

a Laces.
b Embroideries.

JAMAICA.

Location—Sec. C, Block 4.

12. Falmouth District Prison, Falmouth. Cocconut coir mats, etc.

KOREA.

Location—Sec. B, Block 3.

a Official chair.
b Dining table.
c Embroidered and painted silk picture and bamboo window shades.
d Inlaid and lacquered cabinets, bookcase, ink-stone case, brass candle stick and bamboo box.
e Embroidered arm-rest, screen, pillow, cushions and design.

29. a Silver wine pot.
b Silver spoon and chop sticks.
c Silver figured iron tobacco box.
35. a Gentleman's dress.
b Official military uniforms, red court dress, dress (8th rank), dress (below 8d rank).
c Military official, gilded court and silk hat, official cap, head band and attachments.
d Ladies' and gentlemen's boots and shoes, court boots, peasant straw sandals, hemp sandals and men's sabots.
INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No.
41. Cowhide, leopard, deer, marten, sable, fox, moose, otter, and tiger skins.
42. a Ancient matchlock, musket and bullet.
    b Ancient iron mortar gun, long brass cannon and bullet, shot, etc.
    c Sword and spear.
    d Bow and arrow, quiver and arrows for military uniform.

MEXICO.

Location—Sec. A, block 3-C-D.
    a “Capisallos” and water proof coats, baskets, etc.
    b Slip-knot ropes, ixtle hammocks, cords, etc.
303. Signoret & Grones, Saltillo, Coahuila. Hats various kinds.
311. Zolly Hermanos, Mexico. Hats various kinds.
338. Bautista, Maria, Querétaro. Embroidered handkerchiefs.

NETHERLANDS.

Location—Sec. A.
2. Thooft, Joost & Labouchere, Delft.
    a Earthenware and porcelain.
    b Painted porcelain.
    c Tiles for mural and mantel decorations.
    d Mural decorations.
7. Stoltzenberg, Roerm. Church embroideries.

NEW SOUTH WALES.

    a Occasional tables in colonial woods.
    b Dining-room suite of black bean, bedroom suite of beach, library suit of cedar, and hall-stand of colonial rosewood.
    c Doorway of colonial black bean.

Exhibit No.
16. Shakespear, Mrs. Elizabeth, Blayney. Picture frame decorated with nuts and seeds.

NORWAY.

Location—Sec. K, Block 1.
    a Wainscoting and slabs.
    b Fire places and columns.
33. Andersen, David, Christiania.
    a Gilt enameled coffee service; lamps.
    b Silver tableware.
    c Fancy articles.
37. Tostrup, J., Christiania.
    a Gilt tableware.
    b Fancy articles.
39. Hammer, M., Bergen.
    a Ornaments, antique silverware.
    b Filigree jewelry.
    a Rifles.
    b Snow-shoes; skates.

PERSIA.

Location—Sec. A, block 2.
1. Topakyan, H. H., Teheran. Art metal works.

RUSSIA.

Location—Sec. D and Sec. K, blocks 1, 2, 3, 4.
32. Gecele, St. Petersburg.
    a Carved wood tables.
    b Carved and gilt mirror frames, etc.
34. Imperial Peterhof Works, Peterhof. Stone work in furnishing.
36. Loviton, St. Petersburg.
    a Tables.
    b Suits of furniture.
    a Chairs, etc.
    b Mirrors.
INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No.
42. Kuznetsov, Moscow.
   a China crockery.
   b Porcelain.
48. Imperial Peterhof Works, Peterhof. Stone fountains, etc.
58. Frolov, St. Petersburg. Images in mosaic.
63. Shutov, St. Petersburg. Artistic carvings in wood, and crucifix.
68. Korsinin, St. Petersburg. Works in silver.
77. Moossi and Goojon, Moscow.
   a Silk in skeins.
   b Plain woven silks.
   c Figured silks.
78. Sanojnokov, Moscow.
   a Silk tissue fabric.
   b Figured silk stuffs.
122. Gruhnvaldt, E., St. Petersburg.
   a Furs.
   b Fur clothing.
130. Kolonin Sons, Moscow. Embroideries in silver and gold.

SIAM.

Location—Sec. A, block 3.

2. Elephants' tusks, plain and carved, buffalo horns, deer antlers, wild cows' horns, rhinoceros' horns, ceroulos' horns, horn of chelonia, etc.
3. Gold, tin, iron and other ores; rubies, sapphires and other gems.

Exhibit No.
19. Mats of various sizes and materials.
23. Tiger, leopard, deer, buffalo, cow otter, armadillo, python, rays, rhinoceros and rabbit skins.

SPAIN.

Location—Sec. A, blocks 1-2, and B, blocks 2-3.

41. Guisasola y Gaviola, Felipa, Madrid. Damascened vases for centerpieces, valued at $40,000 and $20,000 respectively.
65. Damians, Hijo de Ignacio, Barcelona. Art work in bronze, iron, etc.
84. Guisasola y Gaviola, Felipa, Madrid. Steel inlaid with gold and silver.
117. Sert, Hermanos e Hijos, Barcelona. Carpets; tapestry and woolen goods.
170. Closa Florensa, Jose, Barcelona. Gas lamps.

SWITZERLAND

Location—Sec. B, block 1.

27. Michel, Peter, Bönigen. Wood carvings.
38. Simon, Christoff, Brienz. Wood carvings.
42. Zumbrunn, Chr., Ringgenberg. Wood carvings.
LEATHER AND SHOE TRADES BUILDING.

HOW TO FIND EXHIBITS.

For the purpose of the installation of exhibits, the Leather and Shoe Trades Building is divided into sections, lettered from A to F on the first floor, and from A to K on the second floor. Each section is numbered from 1 up, according to the number of the exhibit spaces, each exhibit space being given one number. The foreign countries occupy the central portion of the building, and their locations are fully shown on accompanying diagram.

The building contains all the domestic exhibits of leather, boots and shoes, rubber boots and shoes and of the allied trades also the exhibit of leather in all forms, from all the foreign countries, among them being France, Germany, Russia, Uruguay, Japan, Mexico and Brazil.

There are also shown here leather curios from the different countries of the earth, such as native foot gear, clothing, harness, saddles and such articles from museums and private collections as have been made famous by age or association.

The entire second floor is devoted to machinery, which includes the manufacturing exhibit and shoe and leather working machinery, as well as "Dead Exhibits" made by the representative manufacturers of shoe machinery throughout the United States.
# INTERESTING EXHIBITS

---

**Leather and Shoe Trades Building.**

## UNITED STATES.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8. Dolge, Alfred, Dolgeville, N. Y. Felt goods; boots, shoes and slippers made of same.</td>
<td>F-20</td>
</tr>
<tr>
<td>13. Ash, Wm. T., Lynn, Mass. Shoes and slippers.</td>
<td>F-17</td>
</tr>
<tr>
<td>56. Oblinger, Benjamin F., Philadelphia. Boots, shoes and slippers.</td>
<td>E-12</td>
</tr>
<tr>
<td>63. Rice &amp; Hutchins, Boston Boots and shoes.</td>
<td>E-11</td>
</tr>
<tr>
<td>78. Wells, M. D., &amp; Co., Chicago. Boots shoes and slippers; dwarf cow and calf.</td>
<td>D-16</td>
</tr>
<tr>
<td>84. Boston Rubber Shoe Company, Boston. Rubber boots and shoes; curios from South America.</td>
<td>B-10</td>
</tr>
<tr>
<td>85. Goodyear Metallic Rubber Shoe Company, Naugatuck, Conn. Rubber footwear.</td>
<td>C-10</td>
</tr>
<tr>
<td>86. Woonsocket Rubber Company, Providence, R. I. Rubber footwear.</td>
<td>D-15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>97. Fayerweather &amp; Ladew, New York. Belting and sole leather; belt 12 feet wide.</td>
<td>C-1</td>
</tr>
<tr>
<td>b Walrus leather.</td>
<td></td>
</tr>
<tr>
<td>b Lizard and snake skin and fancy leather.</td>
<td></td>
</tr>
<tr>
<td>b Kangaroo calf, etc.</td>
<td></td>
</tr>
<tr>
<td>118. Mooney, W. W., &amp; Sons, Columbus, Ind. Harness and saddlery leather.</td>
<td>B-11</td>
</tr>
<tr>
<td>119. Pfister &amp; Vogel, Leather Company, Milwaukee, Wis. Leather.</td>
<td>C-8</td>
</tr>
<tr>
<td>b Kangaroo calf.</td>
<td></td>
</tr>
<tr>
<td>c Russia leather.</td>
<td></td>
</tr>
</tbody>
</table>
# INTERESTING EXHIBITS IN LEATHER AND SHOE TRADES BUILDING

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>177.</td>
<td>E-4</td>
<td>McKay Metallic Fastening Ass'n, Boston. Screw machine, nailer and slugger, strip tacker, etc.</td>
</tr>
<tr>
<td>196a.</td>
<td>F-1</td>
<td>Thompson, Judson L., Manufacturing Co., Waltham, Mass. Rivets and rivet machinery.</td>
</tr>
</tbody>
</table>

## FRANCE

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.</td>
<td>D-3</td>
<td>Dollat Brothers, Paris. Wholesale hides, etc.</td>
</tr>
<tr>
<td>10.</td>
<td>D-3</td>
<td>Floquet, Fernand, St. Denis (Seine). Morocco leather for tapestry.</td>
</tr>
</tbody>
</table>

## GERMANY

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>

## JAPAN

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
</table>

## MEXICO

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>28.</td>
<td>D-3</td>
<td>Committee, Local, Campeche. Fish skins cut in the rough, embroidered leather, alligator skins, etc.</td>
</tr>
</tbody>
</table>

## RUSSIA

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.</td>
<td>C-3</td>
<td>Boots and Shoes M'f'g Co., St. Petersburg. Leather of various kinds.</td>
</tr>
<tr>
<td>32.</td>
<td>C-3</td>
<td>Savin, V. I., Ostushkoff Tvier. Russian leather of various kinds.</td>
</tr>
</tbody>
</table>
LEATHER AND SHOE TRADE BUILDING.
Krupp's Pavilion.

Main Hall 60 metres long, 25 m wide, 13 m high.
(196,85') (82') (42,65')

Entrance Hall 42 m long, 7,5 m wide, 9 m high.
(137,8') (24,6') (29,5')

The Pavilion is situated on the lake front, between the Leather and Shoe Trades Building and the Convent of La Rabida, with public entrances at the north and south ends, and is open to visitors, free of charge. The pavilion is 85 feet by 300, with wings on each side running the length of the building and 25 feet wide. The east wing is given up to the various kinds of steel exhibits and the west wing to offices. The main building is devoted to guns, big and little, slow firing and quick, for marine and land batteries.

The pavilion was designed by HEINRICH THEODOR SCHMIDT, of Frankfort on the Main, Architect; the iron construction was executed by the GUTEHOFFNUNGSHÜTTE of Oberhausen (Rhine Province). The sculptures and stucco work were designed and executed by J. MÜLLER of Aix-la-Chapelle, Sculptor. The wrought iron stand in the entrance hall was designed by FR. HALMHUBER of DÜSSELDORF, Architect.
1. 42 cm (16.54'), Big Coast Gun.
2. 30.5 cm (12.01'), Naval Gun.
3. 28 cm (11.00'), Coast Gun.
4. 24 cm (9.45'), Coast Gun.
5. 21 cm (8.31'), Naval Gun.
INTERESTING EXHIBITS
IN
Krupp Pavilion.

Exhibit No.
1. 42 cm (16.54”) The Big Coast Gun L/33 to front pivot coast carriage.
   Weight of barrel with breech closure, 122,400 kilos (tons 120.46). The big gun is
   46 feet long, with a 42-centimeter bore, and fires an explosive shell weighing 3,300
   pounds. This is the largest gun in the world.

2. 30.5 cm (12.01”) Gun L/35 in Hydraulic Ship Carriage.
   This gun serves for arming men-of-war and large armored vessels. Weight of bar-
  rel with breech closures, 62,450 kilos (61.46 tons).

4. 24 cm (9.45”) Coast Gun L/40 C 86 in Center Pivot Coast Carriage.
   The gun is intended for engagements of coast defenses against ships. It fires a pro-
   jectile of 215 kilos (474 lbs.) with an initial velocity of 700 m (2,400).

Exhibit No.
5. 21 cm (8.26”) Gun L/35 in Centre Pivot Ship Carriage.
   This is one of the most useful guns for ships. It is manned by hand or by electricity,
   it throws a projectile of 140 kilos (308 lbs.), with an initial velocity of 646 m (2,119 ‘).

20, 21. Compound Armory Plate.
33. Screw Shaft, Thrust Shaft, and Crank Shaft of Open-hearth Steel.
   Total weight of the three shafts exhibited 105,000 kilos (tons 103.34); total length of
   same, 27.5 m (90 feet).

56. Rudder frame of molded steel casting.
   Weight 11,300 kilos (11,12 tons).

56. Ship’s screw or propeller of molded steel casting.
ELECTRICITY BUILDING.

HOW TO FIND EXHIBITS.

For the purpose of the installation of exhibits, the Electricity Building is divided into sections, lettered from "A" to "Z." On the main floor the sections are lettered from "A" to "Q," and on the gallery floor from "R" to "Z." The sections are divided into exhibit spaces, which are numbered, and in some instances are subdivided when the exhibit space is designated by the addition of a letter, as, for example, U-13-b. By consulting the floor plan in this catalogue the sections can be easily located. The location of exhibits are indicated in the catalogue by a letter and a number. For example, "V-5" means that the exhibit is in section "V," which is in the gallery, and exhibit space 5.

The United States exhibits will be found principally in sections A, B, C, G, H, I, L, M, and N, on the ground floor and R, S, T, U, in the gallery. The following are the locations of foreign countries as they appear in the gallery and on the main floor: Austria in Y, 38; Brazil in V, 1; Canada in the rooms of American Institute of Electrical Engineers in section S; France in K, 1, Q, 1 and 2 and Y, 3; Germany in D, 1, E, 1, Y, 5 and 6 and X, 1 and 2; Great Britain in O, 5; Italy in T, 4 and Japan in F, 1a.
INTERESTING EXHIBITS

Department J.--Electricity.

### UNITED STATES.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Apparatus Illustrating the Phenomena and Laws of Electricity and Magnetism.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Brush Electric Company, Cleveland, Ohio.</td>
</tr>
<tr>
<td></td>
<td>a Temporary and permanent magnets.</td>
</tr>
<tr>
<td></td>
<td>b Induction coils, converters, etc.</td>
</tr>
<tr>
<td></td>
<td>a Magnets.</td>
</tr>
<tr>
<td></td>
<td>b Induction coils, converters and transformers.</td>
</tr>
<tr>
<td></td>
<td>a Statical apparatus.</td>
</tr>
<tr>
<td></td>
<td>b Magnets.</td>
</tr>
<tr>
<td></td>
<td>c Induction coils, etc.</td>
</tr>
<tr>
<td></td>
<td>a Electrical machines.</td>
</tr>
<tr>
<td></td>
<td>b Thermo electric batteries.</td>
</tr>
<tr>
<td></td>
<td>c Magnets, temporary and permanent.</td>
</tr>
<tr>
<td></td>
<td>d Induction coils and converters.</td>
</tr>
<tr>
<td></td>
<td>a Magnets.</td>
</tr>
<tr>
<td></td>
<td>b Induction coils, etc.</td>
</tr>
</tbody>
</table>

Apparatus for Electrical Measurements.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Electric Batteries, Primary and Secondary.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location.</th>
</tr>
</thead>
<tbody>
<tr>
<td>48.</td>
<td>S-2</td>
</tr>
<tr>
<td>49.</td>
<td>T-13-b</td>
</tr>
<tr>
<td>58.</td>
<td>T-13-a</td>
</tr>
<tr>
<td>59.</td>
<td>S-8</td>
</tr>
<tr>
<td>70.</td>
<td>U-27</td>
</tr>
</tbody>
</table>

Machines and Appliances for Producing Electrical Currents by Mechanical Power—Dynamical Electricity.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location.</th>
</tr>
</thead>
<tbody>
<tr>
<td>73.</td>
<td>A-2</td>
</tr>
<tr>
<td>75.</td>
<td>L-1</td>
</tr>
<tr>
<td>76.</td>
<td>B-3</td>
</tr>
<tr>
<td>85.</td>
<td>L-4</td>
</tr>
<tr>
<td>86.</td>
<td>E. M. F.</td>
</tr>
<tr>
<td>87.</td>
<td>E. M. F.</td>
</tr>
<tr>
<td>88.</td>
<td>L-2</td>
</tr>
<tr>
<td>100.</td>
<td>F-2</td>
</tr>
</tbody>
</table>

Transmission and Regulation of the Electrical Current.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location.</th>
</tr>
</thead>
<tbody>
<tr>
<td>103.</td>
<td>T-3</td>
</tr>
<tr>
<td>107.</td>
<td>L-4</td>
</tr>
<tr>
<td>108.</td>
<td>U-8</td>
</tr>
<tr>
<td>126.</td>
<td>Y-46</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location.</th>
</tr>
</thead>
<tbody>
<tr>
<td>103.</td>
<td>T-3</td>
</tr>
<tr>
<td>107.</td>
<td>L-4</td>
</tr>
<tr>
<td>108.</td>
<td>U-8</td>
</tr>
<tr>
<td>126.</td>
<td>Y-46</td>
</tr>
</tbody>
</table>

102
INTERESTING EXHIBITS IN DEPARTMENT J.—ELECRICITY.

Exhibit No. Location.

130. Indiana Rubber and Insulated Wire Co., Jonesboro, Ind.
   a Insulated wire.
   b Safety appliances.
   c Rubber conduits.

131. India Rubber Comb Co., The, New York.
   a Rubber insulation.
   b Hood insulators, tubing; sheeting.

   a Insulating sheets; vulcabeston, U-21
   b Moulded mica; abestos.
   c Conduits.

   a Insulated cables and wires.
   b Tapes and compounds.
   c Conduits.


   a Cables and cable boxes.
   b Cut-outs, binding-posts and lightning arresters.
   c Conduits.

   a Rheostats, switches, etc.
   b Standard Milli-ammeter.

   a Carbon Current Controller.
   b Standard Milli-ammeter.


Application of Electric Motors.


   On exhibition tracks.

Lighting by Electricity.


Heating by Electricity.

Exhibit No. Location.


   a Forging and welding of metals.
   b Brazing by electricity.

Electric Forging, Welding, Stamping, Tempering, Brazing, etc.

   a Fire alarm.
   b Police signal telegraphs.


The Telephone and its Appliances. Phonographs.


History and Statistics of Electrical Inventions.


Construction and Repairs.

   a Air compressors.
   b Rock drills.
   c Coal cutters.

478. Western Electric Company, Chicago.
   a Electrical construction apparatus.
   b Apparatus for the transmission of power to generators.
   c Carbon and its application.
   d Application of metals in electrical construction.
INTERESTING EXHIBITS IN DEPARTMENT J.—ELECTRICITY.

AUSTRIA.

Location—Y, 38.

Exhibit No.

FRANCE.

Location—K, 1; Q, 1-2; Y, 3.

59. Direction Generale des Postes et des telegraphes, Paris. a Telegraphic material. b Telegraph instruments. c Fire alarm apparatus, Petit and Dig-eon systems.
62 Mercadier, E., Paris. Mono-telephones and system of multiplex telegraph. 797

92a. Sautter, Harle et Cie., Paris. Search lights, lighthouses, dynamos, etc.

GERMANY.

Location—D-1; E-1; Y-5-6; and X, 1-2.


Exhibit No.
10. Allgemeine Elektricitats Gesellschaft, Berlin. a Dynamos, direct current, constant E. M. F. b Dynamos, direct current, varying E. M. F. c Dynamos, alternating current, constant E. M. F. d Dynamos alternating current, varying E. M. F.
13. Felten & Guillaume, Mühlheim a-Rh. Cables and transmitting material.
37b. Anscheutz Ottomar, Berlin, Germany. Electric photographic tachyscope.

German Collective Exhibit in Scientific Instruments.

Location—N, E. Gallery.

1. Devitt & Herz, Berlin. Medical and surgical apparatus of German silver and aluminum.
18. British Government, London. Historical telegraphic apparatus dating from 1837, including the first specimen of underground work practically used; early five-needle and double-needle instruments, Cooke and Wheatstone's A B C telegraph; early forms of Wheatstone's automatic telegraph; Bain's first chemical telegraph; modern telegraphic apparatus, as used by the British Postal Telegraph Department; single needle A B C sounders and Bright's bed; British type of Delany and quadruplex apparatus; fast speed repeaters; pneumatic tube signaling instruments; teleohonic switchboards and apparatus.
ART PALACE.

HOW TO FIND EXHIBITS.

The exhibits in the Art Palace are installed as follows:

**UNITED STATES:**—Sculptures are principally in the North Court of the Central Pavilion, with examples also in the West Court, in the Rotunda and in Gallery 38, between the Central and East Pavilions. Oil Paintings are in Galleries 1, 3, 5, 6, 7, 8 and 9 of the North-east quarter of the Central Pavilion; in connecting galleries 37, 38 and 39, between the Central and East Pavilions, in Gallery 40 of the East Pavilion and in the second floor alcoves on the North side of the East Court and the West and East Sides of the North Court, Central Pavilion. Water Colors are in the second floor alcoves at the North end of the North Court, Central Pavilion. Pastels are in the second floor alcoves 125 and 126, on the South side of the East Pavilion. Drawings in pencil, black and white, pen and ink, etc., are hung in the four circular stairways about the rotunda, on the East wall of the North Court (ground floor), in the alcoves and panels at the West end of the East Court (ground floor), and on screens in the second floor alcoves on the South side of the West Court. Etchings occupy the second floor at the South end of the North Court. Wood Engravings hang on screens in second floor alcoves on the South side of the West Court. Architecture is represented by casts at the east end of the West Court (next to the rotunda) and by drawings in the second floor alcoves on the South side of the West Court. The Loan Collection of Foreign Masterpieces owned in the United States (mostly oil paintings) is in galleries 40, 41 and 42 in the West Pavilion.

**AUSTRIA:**—Sculptures and Oil Paintings are installed in Galleries 35 and 36, in the North-west corner of the Central Pavilion, and in connecting Gallery 59, between the Central and East Pavilions. Water Colors, Etchings and Engravings are in gallery 59, and in Alcove 103, West Court of Central Pavilion.

**BELGIUM:**—Sculptures and Oil Paintings are in Galleries 63, 64, 65, 66 and 67 West Pavilion, and in second-floor alcoves 128, 131, 132, 133 and 134 in the East and South Courts of the Central Pavilion (turning at the rotunda). Water Colors, Etchings, Engravings, etc., are in second floor alcoves 133 and 134 on the East side of the South Court Central Pavilion.

**BRAZIL:**—Sculpture is in the center of the West Court, Central Pavilion. Oil Painting in the second floor alcoves on the West side of the South Court, Central Pavilion.

**CANADA:**—Oil Paintings and Water Colors are in Galleries 10 and 11 in the South-east quarter of the Central Pavilion.

**DENMARK:**—Sculptures and Oil Paintings are in Galleries 73, 74 and 75 in the West Pavilion, and in the second floor alcoves at the South end of the South Court, Central Pavilion.
FRANCE:—Sculptures in South Court, West Court and Rotunda of the Central Pavilion; in rotunda and galleries 45, 53, 56, 57 and 58, East Pavilion. Oil Paintings in galleries 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56 and 57 of the East Pavilion. Water Colors and Pastels in Gallerief 46, 47 and 48, East Pavilion. Medals, etc., in Galleries 46 and 47 East Pavilion. Architecture in the alcoves of the East Court (Main Floor.) Historic Sculptures in the East Court, Central Pavilion.

GERMANY:—Sculptures in the North and West Courts, Rotunda and in the German Galleries devoted to painting, Central Pavilion. Oil Paintings in Galleries 28, 29, 30, 31, 32, 33 and 34 in the North-west quarter of the Central Pavilion. Water Colors, Drawings, Etchings, Engravings, etc., in the second floor alcoves on the North side of the West Court. Architecture in the first and second floor alcoves on the North side of the West Court. Architectural models in the center of the West Court, Central Pavilion.

GREAT BRITAIN:—Sculptures in the East half of the South Court and in the Rotunda, Central Pavilion. Oil Paintings in Galleries 12, 13, 14, 15, 16, 17 and 18 in the South-east quarter of the Central Pavilion. Water Colors in Gallery 16 and Alcove 89. Pastels, Drawings, Etchings, Engravings, etc., in the second floor alcoves on the South side of the East Pavilion.

HOLLAND:—Oil Paintings in Galleries 25, 26 and 27 in the South-west quarter of the Central Pavilion. Water Colors in Alcoves 99 and 100, West Court. Etchings, Alcove 101 West Court, Central Pavilion.

ITALY:—Sculptures and Oil Paintings in galleries 76, 77, 78, 79 and 80 West Pavilion. Ancient Sculptures, Water Colors and Engravings in connecting galleries 60 and 61, between the Central and the West Pavilion.

JAPAN:—Sculptures, Paintings, Bronzes, Porcelains, Textiles, Embroideries, etc., in gallery 24 and alcove 98, West Court, Central Pavilion, and in upper floor alcoves in the North, South, East and West Courts bordering upon the rotunda.

MEXICO:—Sculptures in the East end of the East Court, Central Pavilion. Oil Paintings on the stairways at the East end of the East Court, and in the second floor alcoves at the East end of the East Court, Central Pavilion.

NEW SOUTH WALES:—Oil Paintings in the second floor alcove 135, in the South-east corner of the South Court, Central Pavilion.

NORWAY:—Sculptures and Oil Paintings in galleries 71 and 72 West Pavilion. Drawings, etc., in upper floor alcove 150, at the West end of the West Court, Central Pavilion.

RUSSIA:—Sculptures, Oil Paintings and Water Colors in galleries 19 and 20 in the South-west quarter of the Central Pavilion.

SOCIETY OF POLISH ARTISTS:—Oil Paintings in gallery 62, West Pavilion, in third floor gallery at the West end of the West Court of the Central Pavilion, and along the staircases in the West end of the West Court.

SPAIN:—Sculptures in the West Court, in galleries 21, 22 and 23, in the South-west quarter of the Central Pavilion. Oil Paintings in galleries 21, 22 and 23. Water Colors, Pastels, Drawings, Engravings, Etchings, etc., in alcoves 96 and 97 West Court, Central Pavilion.

SWEDEN:—Sculpture in the West end of the West Court, Central Pavilion, and with Oil Paintings in galleries 68, 69 and 70 West Pavilion. Water Colors, Pastels, Drawings, Etchings, etc., in the second floor alcoves at the West end of the West Court, Central Pavilion.
LIBERAL ARTS DEPARTMENT.

HOW TO FIND EXHIBITS.

The Liberal Arts Department has no building of its own, but occupies the whole of
the gallery space in the Manufactures and Liberal Arts Building except sections F and G and
also has allotted to it section I in the southeast corner on the main floor where all musical
instruments are installed. The sections in the gallery are lettered from A to K, for the
purpose of locating exhibits. The gallery columns are numbered from south to north, or
lengthwise with the building; from 1 to 108, and the cross columns from east to west are
lettered from A to Z, west to east. The letter and number following an exhibit in the
catalogue indicate the intersecting point of the column lines nearest the exhibit. The
location sign, "Gal. A, F-19," means that the exhibit is in section A at the point where
column F and column 19 meet.

A reference to the diagram will show that the Education Exhibit covers the whole of
section K and nearly all of sections A and I. Each exhibit has a number on the diagram.
These numbers appear opposite the exhibitors' names in a special index of the education
group with exhibitors' names, addresses and locations on page 9 of the Liberal Arts cata-
logue. Group 147 of the classification, which relates to "physical development, training
and condition, and embraces the Bureaus of Hygiene and Sanitation and Charities and Cor-
rection, has all its entries installed in sections E and F of the Anthropological Building.
Instruments and apparatus of medicine, surgery and prosthesis are located in sections D
and E of Manufactures and Liberal Arts Building. Literature, books, libraries, journal-
ism, engravings, etc., are in the same sections. Instruments of precision, experiment,
research and photography and also photographs, etc., are confined to section E. Civil
engineering, public works and constructive architecture, together with commerce trade
and banking have, with two or three exceptions, their exhibits in section E. Religious
organizations and systems, with their statistics and publications are, with four excep-
tions, in section D. As before stated, music and musical instruments are installed in sec-
tion I of the main floor. The exhibits of Great Britain are in section B; of Germany, in
section C; of France, in H, and the remainder of the foreign countries are installed in
section D.
INTERESTING EXHIBITS

IN

Department L.—Liberal Arts.

Instruments and Apparatus of Medicine, Surgery and Prosthesis.

UNITED STATES.


Literature, Books, Libraries, Journalism.


Religious Organizations and Systems—Statistics and Publications.


Music and Musical Instruments.


514. Bohmann, Joseph, Chicago. a Mandolins, zithers, guitars, banjos. b Violins, violas, cellos.


520. Chicago Cottage Organ Company, Chicago. a Pianos. b Reed organs.


526. Conn, C. G., Elkhart, Ind. Band instruments. Sec. I, Q-1


537. Foote, J. Howard, Chicago. a Guitars, mandolins, etc. b Flutes. c Cornets, horns, etc.

INTERESTING EXHIBITS IN DEPARTMENT L.—LIBERAL ARTS.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>541. Gemunder, August, &amp; Sons, New York.</td>
<td>Sec. I, Q-6</td>
</tr>
<tr>
<td>547. Lyon &amp; Healy, Chicago.</td>
<td>Sec. I, R-3</td>
</tr>
<tr>
<td>548. Mason &amp; Hamlin Organ &amp; Piano Co., Boston.</td>
<td>Sec. I, P-1</td>
</tr>
<tr>
<td>551. Phelps, James H., Sharon, Wis.</td>
<td>Sec. I, Y-8</td>
</tr>
<tr>
<td>553. Rogers, Joseph, Jr., Highview, N. Y.</td>
<td>Sec. I, T-1</td>
</tr>
<tr>
<td>554. Schomacker Piano Company, Philadelphia.</td>
<td>Sec. I, N-6</td>
</tr>
<tr>
<td>555. Steinert, M., New Haven, Conn. Loan exhibit of instruments representing the development of the pianoforte.</td>
<td>Sec. I, V-1</td>
</tr>
<tr>
<td>556. Stieff, Charles M., Baltimore.</td>
<td>Sec. I, O-4</td>
</tr>
<tr>
<td>557. Wildman, L. P., Danbury, Conn.</td>
<td>Sec. I, Q-4</td>
</tr>
</tbody>
</table>

CANADA.

Location—Gallery B.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9. Northwest Territories School Exhibit, Regina.</td>
<td>a Regina Union School, kindergarten work.</td>
</tr>
<tr>
<td>50. Dominion Organ &amp; Piano Co., Bowmanville, Ont.</td>
<td>a Pianos.</td>
</tr>
</tbody>
</table>

GREAT BRITAIN.

Location—Gallery B.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>111. Erard, S. &amp; P., London, England.</td>
<td>a Models of harps; the harp presented by the Welsh people to H. R. H. the Prince of Wales, etc.</td>
</tr>
</tbody>
</table>
ANTHROPOLOGICAL BUILDING.

HOW TO FIND EXHIBITS.

For the purpose of installation of exhibits in this building the main floor is divided into six sections, lettered respectively A, B, C, D, E and F. The columns are both lettered and numbered. Running from north to south appear the letters A to Y, and from east to west 1 to 15 are given. With the exception of sections E and F, which are occupied by the Liberal Arts Department for the Bureaus of Hygiene and Sanitation and Charities and Correction exhibits, the whole of the space in the building is devoted to the Department of Ethnology and its requirements. In this building the location of exhibits is very easy of accomplishment. The letter and figure following an entry in the catalogue mark the column nearest to the exhibit. For instance, P-10 indicates that the exhibit is on the main floor in close proximity to the column bearing that letter and number. Several foreign countries, state boards and individuals occupy the floor in conjunction with the Ethnological Department, with its collections made for the Exposition. Among the first named may be mentioned Greece, with its exhibit forming the central group in the hall. Beyond the Greek court, going south, are exhibits from Vienna and Berlin, the Egyptian exhibit of Armand de Potter and the Japan exhibit. On the west side of the building Asia, Africa and the Pacific Islands are located. At H-13, still on the west side, will be found the exhibit of New South Wales. On the east side of the main aisle are the archaeological and ethnological exhibits of Canada. Farther south, on the east side, will be seen the state collections of Ohio, Missouri and Colorado, together with New Mexico, Wisconsin, Michigan, Illinois and several other states. At O, P, Q-10 is installed Mexico, and in the neighborhood Costa Rica and several republics of Central America. Not far from these exhibits are located the collections from Ecuador, Chili, Peru and Bolivia. In this vicinity British Guiana, Paraguay and Brazil have their exhibits, and at R-1, R-15 and P-13 are the various exhibits in the Ancient Religions, Games and Folk-Lore section. In the gallery where the same system of installation is observed as on the main floor, are the Anthropological Laboratories, several state exhibits and some of the more interesting and important individual ones.
The Department of Ethnology occupies all the space in the Anthropological Building except E and F in the southern end of the main floor. These are occupied by two divisions of the Liberal Arts Department—the Bureau of Sanitation and Hygiene and the Bureau of...
FIRST FLOOR PLAN
ANTHROPOLOGICAL BUILDING,
WORLD'S COLUMBIAN EXPOSITION.

Charities and Corrections. The sections on the main floor are lettered from A to F, and the columns on the main floor and in the gallery are lettered from A to Y, north to south, and numbered from 1 to 15, east to west. The letter and number following an exhibit in the catalogue marks the column nearest to the exhibit. The sign "Floor, J-6" indicates that the exhibit is on the main floor near the column J-6.

123
COPYRIGHTED 1893,
BY THE
WORLD'S COLUMBIAN EXPOSITION
FOR THE EXCLUSIVE USE OF
W. B. CONKEY COMPANY,
CHICAGO. 124
Interesting Exhibits

---

**Department M.--Ethnology.**

### Section of Archaeology

Exhibits in this section are on the main floor of the building.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Colorado State Exhibit. Mummies, pottery, implements, weapons, etc., illustrating the life and customs of the ancient cliff dwellers.</td>
<td>I-3</td>
</tr>
<tr>
<td>5. Costa Rica, Official Exhibit. Large maps illustrating the archaeology and ethnology of Costa Rica and other portions of South America; large paintings illustrating the natives and their habitations; collection of pottery, implements, ornaments, utensils, weapons, etc., from ancient graves in Costa Rica.</td>
<td>P-6</td>
</tr>
<tr>
<td>7. Department Exhibits. Collections resulting from explorations made under the direction of F. W. Putnam, Chief of the Department, as follows: C. L. Metz in Ohio; W. K. Moorehead in Ohio; H. I. Smith in Ohio; M. H. Saville in Ohio; Allen Cook in Ohio; G. A. Dorsey in Ohio; Ernest Volk in Delaware Valley; C. C. Willoughby in Maine; Zelda Nuttall in Mexico; Peabody Museum in Honduras; J. G. Owens in Guatemala; G. A. Dorsey in Peru; Island of La Plata, Chili and Peru.</td>
<td></td>
</tr>
</tbody>
</table>

### Section of Ethnology

Exhibits in this section are on the main floor of the building.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>53. Brazil, Official Exhibit. Ethnology of the native peoples of Brazil.</td>
<td>L-6</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT M.-ETHNOLOGY.


SECTION OF PHYSICAL ANTHROPOLOGY.

The exhibits in this section are arranged in a series of laboratories along the northern end of the gallery. The Anthropological laboratory begins at column B-11; the Neurological laboratory, B-8; the Psychological laboratory, B-7; the Development room, B-5, and the Library, B-3.

146. Department exhibit, under the direction of F. W. Putnam, Chief of the Department. Anthropological instruments; charts illustrating the growth of the children of Toronto, Canada; charts illustrating the growth of the children of Tokyo. Location. Japan; crania of North American Indians, casts of various types of man; charts illustrating the anthropology of North American Indians, and charts illustrating the anthropology of half-breed Indians, based on measurements of 17,000 individuals; these measurements taken by seventy assistants in the department; charts illustrating the anthropology of mulattoes; anthropological laboratory showing the principal instruments and results of anthropometrical investigations; charts illustrating the results of tests of the senses, movements, judgments and other mental processes; library containing a collection of books and papers on anthropological subjects.


234. Ward’s Natural Science Establishment, Rochester, N. Y. Skeletons and models.

SECTION OF ETHNOGRAPHY.

The various habits of the American Tribes are on the ethnographical grounds, north of the building.


SECTION OF HISTORY.

Exhibits in this section are arranged in the west gallery of the building.

255. Department out-of-door exhibit, under direction of F. W. Putnam, Chief of the Department. Pioneer Log Cabin, with characteristic furnishings, and inmates dressed in colonial costumes and engaged in spinning, weaving, etc.
SECTION OF NATURAL HISTORY.

Exhibits in this section are in the gallery of the building.

Exhibit No. Location.
269. Brazil Government Exhibit. Mammals, birds and reptiles of Brazil. G-1
276. Lattin, F. H., Albion, N. Y. Typical collection of North American birds showing manner of nesting; large collection of birds' eggs, naturalists' supplies, etc. T-3
280. New York State Exhibit. Mammals of the state, land and fresh water shells. W-3

BRITISH GUIANA.

Location L-6 to K-3.
13. Models of Indian canoes or "dug-out," of solid wood, and wood skins and paddles.
15. Queyus, or bead aprons, worn by the women; on frame, showing manufactur; made of woven cotton, as formerly used; made of bark, as formerly worn.
33. Necklaces, of accourie teeth; of jaguar teeth; of waterhaas teeth; of mixed teeth; of seeds and of beads.
42. Arrows, used for killing birds, with wooden points, chiefly bamboo; arrows for stunning birds, with blunt head or crossed pieces; for shooting fish, metal heads; for large game, metal spear head; for turtles, with separable metal head; arrows poisioned, for game, with bamboo point and cap.
70. Flat Cassava mats.
99. Drum and sticks; Macquari whips; Tiberisi whip; pan pipes; rubber balls; imitation fiddle; puzzles; Aeolian harp, made from the leaf stalk of the Eta palm; spinning tops made of palm seed and of double seeds of Sapota.
104. Mixed collection, including pottery, ochreous matter, human bones, fish bones, shells, stone implements, taken from the kitchen midden or shell-mound at Cabacaboori.

GREECE.

Location—H, M, 9-11.

Casts Exhibited by the Greek Government.

Archaic Sculptures.

Exhibit No.
1. Relief from the Lion Gate at Mycenae. This relief, perhaps the most ancient work of sculpture in Greece, is still in position over the lintel of the principal gate of the citadel of Mycenae.

Sculptures of the Fifth and Fourth Centuries, B. C.
19. Large bas-relief, found at Eleusis and representing the goddesses especially worshipped there, Demeter (Ceres) and Persephone (Proserpina), with the young Triptolemos between them.
60-69. Colossal sculptures found at Lykosoura in Arcadia; a female head wearing a veil, another female head, a male head, and a large piece of drapery ornamented with figures and decorative patterns in relief. These fragments belong to a group of four statues, which stood in the temple of Despoina (Persephone), and which represented Despoina, Demeter, (Ceres), Artemis (Diana) and the Titan Anytos. The sculptor was Damophon, a Messenian artist, who flourished toward the middle of the fourth century.
78. Grave relief, found near Athens, representing two women, a bearded man and a young girl.

Sculptures of the Hellenistic and Roman Periods.
93. Colossal statue of Themis (Justice), found at Rhamnus in Attica. It is the work of one Cherestratus, who lived about the beginning of the third century, B. C.; one of the most important sculptures of the National Museum at Athens.

ISOLATED EXHIBITS.

MIDWAY PLAISANCE.

1a. Bulgarian Curiosities, E. S. Yovtcheff, Concessionaire. Sale of Bulgarian curios. Admission free.
22. Colorado Gold Mining, R. A. Campbell, Concessionaire. Model showing the working of a gold mine in Colorado. Admission, 10 cents.
INTERESTING EXHIBITS IN DEPARTMENT M.—ETHNOLOGY.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Exhibit</th>
</tr>
</thead>
<tbody>
<tr>
<td>3a.</td>
<td>The United States Sub-Marine Diving Co., I. I. Manion, Concessionaire. Exhibit of sub-marine diving, showing manner of recovering articles lost at sea. Admission, 10 cents.</td>
</tr>
<tr>
<td>8a.</td>
<td>American Indian Village, Roddy and Wyatt. Winnebago Indian Village and sale of Indian work and curios. Admission, 10 cents.</td>
</tr>
<tr>
<td>9a.</td>
<td>Sitting Bull Log Cabin, P. B. Wickham, Manager. The original log cabin belonging to Sitting Bull and the one in which he was killed. Indian arms and curios, relics from the Custer battle-field. Admission, 10 cents.</td>
</tr>
<tr>
<td>10.</td>
<td>Hagenbeck’s Zoological Arena Co., A. Hoffheimer, Manager. Exhibit of trained animals, also ethnological collection of arms, marks, costumes, ornaments, etc., from Ceylon, Pacific Islands and Northwestern America. Admission, 25, 50, 75 and $1.00.</td>
</tr>
<tr>
<td>16.</td>
<td>German Village, Dr. Ulrich Jahn, Concessionaire. Ethnographic museum of arms, wax figures of German heroes, etc. Also representation of a Hessian rural town, Hall and Black Forest, Westphalian, Upper Bavarian and Spreewald houses. Admission, 25 cents.</td>
</tr>
<tr>
<td>17.</td>
<td>Turkish Village, Robert Levy, Concessionaire. Bazaar theatre, mosque, refreshment pavilion, Persian tent, grand bazaar, Turkish cafe, Bedouin camp, Cleopatra’s needle, and Serpentine column. Admissions, 10 and 25 cents.</td>
</tr>
<tr>
<td>22.</td>
<td>Moorish Palace, James Blair, Manager. Moorish palace, palm garden, Moorish castle, harem, cave, kaleidoscope, wax figures, etc. Admission, 25 cents.</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT M.—ETHNOLOGY.


Exhibit No. 27. Ice Railway, Rankin and De la Vergne, Concessionaires. Sleights running over ice and snow artificially made by the De la Vergne method. Fare, 10 cents.

Exhibit No. 28. Model of St. Peters, Rome, L. de B. Spiridon, Concessionaire. Model of St. Peter's Church, Rome, scale one-sixtieth; also models of Cathedral of Milan, Pim-bino Palace and St. Agnese Church, portraits of the popes, papal coats of arms, etc. Admission, 25 cents.


Exhibit No. 30. Algerian Cafe, Konig and Griesser, Concessionaires. Restaurant.


Exhibit No. 32. East Indian Bazaar, Ardesher and Byramji, Concessionaires. Exhibit and sale of East Indian goods. Admission free.


Exhibit No. 36. Captive Balloon, C. F. Morgan, President. Balloon carries 15 to 20 passengers to a height of 1,200 feet. Trip, $2.00.


Exhibit No. 38. Brazillian Concert Hall, A. Ribeiro, Concessionaire. Dances given by the natives of the State of Maranhon, North Brazil, and sale of curios. Admission, 10 cents.


Exhibit No. 41. Hungarian Cafe and Concert Hall, J. O'Connor, President. Concerts by the Hungarian Ethnographic Concert Company of Buda-Pesth. Admission free.


Exhibit No. 52. Pueblo Indian Village, S. B. Mills, Concessionaire. Indian Village, showing the manner of life of the natives. Indian curios for sale. Admission, 10 cents.

JACKSON PARK.


Exhibit No. 57. Mammoth Crystal Cave, Horticulture Building, Keith and Allabough. Reproduction of the Mammoth Crystal Cave near Deadwood, South Dakota. Sale of curios found therein. Admission, 10 cents.
### INTERESTING EXHIBITS IN DEPARTMENT M.—ETHNOLOGY.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.</td>
<td><strong>Cliff Dwellers Exhibit</strong>. Constructed by the H. I. Smith Exploring Co. The building is a reproduction of &quot;Battle Rock&quot; McElmo Valley scale $\frac{1}{5}$. Reproduction of &quot;Cliff Palace,&quot; &quot;Square Tower House,&quot; &quot;Balcony House&quot; and &quot;High House&quot; scale $\frac{1}{16}$; also several thousand objects taken from ruins in the cliffs, including pottery, weapons, implements, ornaments, clothing and remains of mumified bodies. Admission, 25 cents.</td>
</tr>
</tbody>
</table>

### STATE BUILDINGS.

<table>
<thead>
<tr>
<th>State Building</th>
<th>Commissioner</th>
</tr>
</thead>
<tbody>
<tr>
<td>64. Texas State Building, L. J. L. Johnson, Superintendent.</td>
<td></td>
</tr>
<tr>
<td>65. Colorado State Building, O. E. French, Secretary.</td>
<td></td>
</tr>
<tr>
<td>68. Minnesota State Building, L. P. Hunt, Superintendent.</td>
<td></td>
</tr>
<tr>
<td>69. New Jersey State Building, W. S. Lenox, Secretary.</td>
<td></td>
</tr>
<tr>
<td>70. Ohio State Building, W. T. Alberson, Secretary.</td>
<td></td>
</tr>
<tr>
<td>71. Washington State Building, G. V. Calhoun, Ex-Commissioner.</td>
<td></td>
</tr>
<tr>
<td>72. Iowa State Building, F. N. Chase, Secretary.</td>
<td></td>
</tr>
<tr>
<td>73. California State Building, C. M. Wells, Secretary.</td>
<td></td>
</tr>
<tr>
<td>75. Maryland State Building, G. L. McCahan, Ex-Commissioner.</td>
<td></td>
</tr>
<tr>
<td>76. New York State Building, John Foord, Secretary.</td>
<td></td>
</tr>
<tr>
<td>77. Louisiana State Building, T. J. Wooun aid, Ex-Commissioner.</td>
<td></td>
</tr>
<tr>
<td>78. North Dakota State Building, Alfred Dickey, Ex-Commissioner.</td>
<td></td>
</tr>
<tr>
<td>79. Indiana State Building, Benj. F. Havens, Ex-Commissioner.</td>
<td></td>
</tr>
<tr>
<td>80. Kansas State Building, A. M. Clark, Secretary.</td>
<td></td>
</tr>
<tr>
<td>82. West Virginia State Building, W. N. Chancellor, President.</td>
<td></td>
</tr>
<tr>
<td>84. Massachusetts State Building, E. C. Hovey, Secretary.</td>
<td></td>
</tr>
<tr>
<td>85. Nebraska State Building, Jos. Garneau, Commissioner General.</td>
<td></td>
</tr>
<tr>
<td>86. Kentucky State Building, W. H. Dulaney, President.</td>
<td></td>
</tr>
<tr>
<td>87. South Dakota State Building, Thos. H. Brown, Secretary.</td>
<td></td>
</tr>
</tbody>
</table>

131
Forestry
FORESTRY BUILDING.

HOW TO FIND EXHIBITS.

The installation plan adopted in the Forestry Building is a very simple one and easily understood. The building is laid off into four divisions: A, B, C and D. Each of these divisions contains sections numbered from 1 to 15. In the southeast quarter is A, in the southwest quarter C, in the northeast quarter B, and in the northwest quarter D. A sign such as A-13 in connection with a catalogue entry means that that exhibit is located in close proximity to section 13 in division A. The individual United States exhibitors are all installed in sections A and C in the south end of the building and in nearly every instance the exhibitor's name appears on the diagram, so that his location can be easily ascertained. The foreign countries and individual states are scattered throughout the building, but, as the name of each country and state is plainly distinguishable on the diagram, no time can be lost in placing the exhibit. The collection of the "Woods of the World" forms the center piece of the building, and midway on the east side will be found the "Southern Pine Vestibule."
World's Columbian Exposition. Forestry Building.
INTERESTING EXHIBITS
IN
Department N.—Forestry.

UNITED STATES.

Exhibit No. Location
   a Collection of timbers. C-8-9
   b Curious growths, etc.
3b. California, State of.
   a Collection of woods and large cross section of redwoods, 875 years old. A-10-11
   b Cork bark and acorns.
   c Pine cones for decoration.
   d Odd growths of buckeye, fir, madrone end sycamore, and redwood showing curious formation of the grain.
   e Photographs of forest scenes.
11b. Murphy Varnish Co., Newark, N. J. Operative exhibit of the application of wood fillers and varnish. C-10-12

KENTUCKY.
Location—Sec. B, 8-9.
9. Atkinson, John B., Earlington. Oak, black haw, huckleberry, swamp dogwood. mountain and smooth sumach, Indian arrow, silver leaf poplar, red sassafras, black gum, white and yellow sweet gum, wild black cherry, chicken grape, yellow wood, cottonwood, shiny willow, blue plum, black willow, pear, yellow birch, prickle ash; water, clammeny, yellow, common and privet locust, haphun beam; shellbark, southern, mocher nut, paper mulberry, white and black hickory, beech thorn, red buckeye, butternut, buttonwood, red cedar, coffee tree, flowering dogwood, green ash, honey locust, black sugar maple, white mulberry.

66. Langstaff & Orme M’f’g, Paducah. Cypress and hemlock.

MICHIGAN.
Location—Sec. B, 1 to 5.
   a Sections of forest trees.
   b Curious specimens of forest growth.

MINNESOTA.

Exhibit No. Location—Sec. B, 10-11.
   a Sections of timber logs with registration of age; plank and boards.

MISSOURI.
Location—Sec. A, 2 to 5.
8c. Friend, W. F., Scott County. Section of cypress.
10a. Lehigh, Jas. T., New Madrid. Section of cottonwood.
13a. Three States Lumber Co., Mississippi County. Section of burr oak.

NEBRASKA.
Location—Sec. B, 10-11.

NEW YORK.
Location—Sec. A, 6-11.
1. State of New York, Albany. Eighty-seven log specimens, showing bark and transverse, radial and tangential views of the grain, both finished and unfinished; a series of transverse sections of the woods of the State, one foot hundredth of an inch in thickness, mounted in the windows as transparencies; sections of the woods showing transverse, radial and tangential views of the grain, so thin as to allow light to pass through them; photographs of typical, isolated trees in leaf and after the leaves have fallen; and natural size photographs of the characteristic barks of the various trees.

OHIO.
Location—Sec. B, 6-7.
3. Board of World’s Fair Managers, Columbus.
   a Paw-paw, maple, elder, red bud, coffee nut, locust, plum, haw, black thorn, sour-wood, ash, elm, hackberry, sycamore, hickory, birch, beech, oak, chestnut, black willow, aspen and pine.
   b Native medicinal roots, barks and plants.
### INTERESTING EXHIBITS IN DEPARTMENT N.—FORESTRY.

**OREGON.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>a Collection of commercial woods; spruce 10 feet in diameter 25 feet from butt; yellow fir block 6 feet in diameter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b Small house built of 35 varieties of native timber.</td>
</tr>
</tbody>
</table>

**PENNSYLVANIA.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>a Oak, basswood, cottonwood, cherry, pine, chestnut, walnut, sycamore, hickory, poplar, sassafras, chinquapine, ash, birch, cucumber, hemlock, locust, dogwood, plum, crab, aspen, etc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b White pine, black cherry, American linden, sweet birch, eastern hemlock, green ash, chestnut, sugar maple and American beech. East side of Colonnade.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c Sugar maple. In center piece.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d Model saw mill.</td>
</tr>
</tbody>
</table>

**WEST VIRGINIA.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1a.</td>
<td>Sec. A, 1-5</td>
<td>Board of World’s Fair Managers, Parkersburg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>a Log specimens of tree of heaven, beech, black walnut, magnolia, white bass wood, Frazer’s magnolia, prickly ash, holly, grape, red maple, box elder, sumach, locust, red-bird, honey locust, round wood, crab, mountain ash, service, hercules club, haw, sweet gum, rhododendron, buckeye, purple buckeye, striped maple, thorn, witch hazel, dogwood, sour gum, laurel, persimmon, fringe tree, spice wood, hocksberry, coffee tree, sycamore, white hickory, red hickory, water beech, black willow, aspen, cottonwood, pitch pine, blister pine, red cedar, silverbell, sassafras, red elm, white elm, mulberry, butternut, mountain alder, river birch, iron wood, laurel, chestnut; Spanish, swamp and burr oak.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b Table made of eighty-two panels of native woods.</td>
</tr>
</tbody>
</table>

**WISCONSIN.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>31a.</td>
<td>Sec. B, 6-7</td>
<td>Richardson Bros., Sheboygan Falls. White, red, swamp and burr oak; hard, soft and bird’s eye maple, black cherry, hickory, black white ash, basswood and beech.</td>
</tr>
<tr>
<td>39.</td>
<td></td>
<td>Webster Manufacturing Co., South Superior. Yellow, curly and red birch, bird’s eye maple, red and white oak, water and rock elm, poplar, basswood, red cherry and white ash.</td>
</tr>
</tbody>
</table>

**ARGENTINE REPUBLIC.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.</td>
<td>Sec. D, 8-9</td>
<td>Government of Jujuy.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>a Cabinet woods.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b Tanning and dyeing plants and barks.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c Medicinal plants.</td>
</tr>
<tr>
<td>34.</td>
<td></td>
<td>Government of Misiones.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>a Cabinet woods.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b Tanning and dyeing barks, plants and saw dusts.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c Medicinal plants.</td>
</tr>
<tr>
<td>88.</td>
<td></td>
<td>Rouges, Carlos, Tucuman, Cedro.</td>
</tr>
<tr>
<td>91.</td>
<td></td>
<td>San Germes, Pedro, Santiago del Estero.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>a Woods.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b Tanning and dyeing barks and saw dust.</td>
</tr>
<tr>
<td>102.</td>
<td></td>
<td>Tomassone, Hermanos, Santa Fe. Cabinet woods.</td>
</tr>
</tbody>
</table>

**BRAZIL.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Sec. D, 6-7</td>
<td>Navy Yard of the State of Para, Brazil. Construction woods.</td>
</tr>
</tbody>
</table>

**BRITISH INDIA.**

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.</td>
<td></td>
<td>Inspector General of Forests, Simla. Carved mantelpiece of shisham, redwood, walnut, boxwood and very old (from 600 to 3,000 years) teak and blackwood timber.</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN DEPARTMENT N.—FORESTRY.

CANADA.
Location—Sec. C, 1-5.

FRANCE.
Location—Sec. C, 6-7.

GERMANY.
Location—Sec. C, 10-11.
1. Bornheim, M. B., Cassel. Beer barrels,

JAPAN.
Location—Sec. D, 13.
5. Dept. of Agriculture and Commerce, Japan.
   a. Timber and planks.
   b. Worked timber and wood for furniture.
   c. Ornamental and fossil woods.
   d. Barks and galls for tanning and dyeing.
   e. Vegetable wax and resins.
   f. Miscellaneous forest products.
   g. Wood pulp for paper.
   h. Baskets.
   i. Bamboo canes and bamboos.
   j. Illustration of forest growth.
   k. Maps, plans and illustrations of forest management; illustrations of woods and flowers.
   l. Illustration of lumber transportation.

MEXICO.
Location—Sec. D, 4-5.
107. Tepic, Territory of.
    a. Collection of woods.
    b. Chewing gum.

NEW SOUTH WALES.
Location—Sec. D, 1-3.
3a. Commissioners for New South Wales, Sydney.
   a. Collection of commercial timbers.

PARAGUAY.
Location—Sec. D, 15.
   a. Samples of timber.
   b. Ornamental woods.
   c. Dyeing woods and plants and extract of omebrasho wood.
   d. Fibrous plants and roots.
   e. Medicinal plants, roots, barks, etc., and aromatic plants.
   f. Samples of charcoal.

RUSSIA.
Location—Sec. C, 1-5.
   a. Samples of timber, lumber, etc.
   b. Gums, resins, etc.
   c. Medicinal roots, herbs, etc.
   d. Illustrations of diseases of trees.
   e. Forest management.
   f. Timber culture.

SIAM.
Location—Sec. C, 9-10.
   a. Ornamental woods and teakwood table.
   b. Cordage.
   c. Sulphur.
   d. Nuts and edible bird’s nests.
   e. Medicinal roots.
   f. Baskets and fans.
   g. Bamboo.

SPAIN.
THE GOVERNMENT BUILDING.

HOW TO FIND EXHIBITS.

In this building are installed the Government Exhibits represented by the following departments: Agriculture, Interior, Justice, Postoffice, State (including the Executive Mansion), Treasury and War. Also the Colonial Exhibit collected by the Woman's Columbian Exposition committee of Massachusetts, the exhibit made by the Smithsonian Institution and National Museum, and that of the United States Fish Commission. A reference to the diagram will show the location of each of the above named sections, with the exception of the Colonial Exhibit, which will be found in the Rotunda, and the display of the Navy Department, the whole of which is installed on board the model battleship "Illinois." The various bureaus, divisions, and sections of the departments are plainly marked on the diagram, and each of the great divisions are clearly indicated by dotted lines.

An exhibit of the resources of Alaska is to be found in the north gallery, to be reached by the stairs near post 7-R. An exhibit of the supervising architect's office of the Treasury and of postage stamps under the Postoffice department is in the south gallery and can be reached by the stairs at post 7-R.

The Commercial Exhibit made by the Department of State is to be found in the east gallery, the stairs at post 1-I and 1-K leading to it.
INTERESTING EXHIBITS
IN
United States Government Building.

THE EXECUTIVE MANSION AND
DEPARTMENT OF STATE.

Exhibit No.
1. Portrait of Grover Cleveland, twenty-
   fourth President of the United States.
2. Photograph of the executive mansion
   at Washington.
12. Letters from heads of Foreign Govern-
   ments to the President of the United States.
13. The several buildings occupied by the
    Department of Foreign Affairs and the
    Department of State from 1781 to the
    present day.
14. Site of the City of Washington when
    it was adopted as the seat of government.
17. Presentation to the United States of
    the statue by Bartholdi of Liberty enlight-
    ening the world now standing in the
    harbor of the City of New York.
36. Oil portraits of Secretaries of State.
37. Nullification proclamation of Andrew
    Jackson ordering obedience to the laws
    of the United States in South Carolina.
38. Sword of Andrew Jackson.
39. Portrait of John C. Calhoun, leader of
    the nullification party of South Carolina.
40. Proclamation of Abraham Lincoln
    emancipating the slaves.
41. Portrait (life size) of Lincoln. Loaned
    by the artist, Mathews.
42. Silk flag presented to the United
    States by the weavers of Lyons, France,
    January 17, 1866, as a durable expression
    of sympathy at President Lincoln's death.
    The subscriptions came from 25,000
    Lyons' laborers.
43. Proclamations of the Presidents of the
    United States.
44. Autograph Letters from Presidents
    of the United States. Loaned by John
    Boyd Thacher, Esq.
47. Thomas Jefferson, author of the
    Declaration of Independence.
49. Portraits of the signers of the Declara-
    tion of Independence.

Exhibit No.
56. Sword of Tench Tilghman, Colonel
    and Aide-de-Camp to Washington.
60. Constitution of the United States.

TREASURY DEPARTMENT.

Life Saving Service.
1. A life-saving station completely equip-
   ped and manned.

Coast and Geodetic Survey.

62. Reconnaissance.

83. Current Issues of Stamps
84. Uncurrent Stamps.

86. Reprints of the U. S. Lighthouse Establish-

89. Fog Signals.
100. Light House.

Bureau of Engraving and Printing.

102. Specimens of engraved bonds in de-
    nominations, ranging from one hundred
    to fifty thousand dollars.
103. Specimens of engraved government
    checks, treasury warrants, and customs
    inspectors certificates.
104. Illustrations of the different steps
    taken in the engraving of paper money.
105. Specimens of gold notes, treasury
    notes, silver certificates and National Bank
    currency.
106. Portraits and vignettes of all the
    presidents of the United States, all the
    secretaries of the treasury, and of many
    other prominent public men.
107. Samples of steel plates and other im-
    plements used in engraving.
INTERESTING EXHIBITS IN U. S. GOVERNMENT BUILDING.

Exhibit No. 108. United States Bonds, Paper Money, etc.

A complete set of portraits of the secretaries of the treasury from its organization in September, 1789, to March, 1893.

NAVY DEPARTMENT.

1. Model Battle Ship "Illinois." This structure, the suggestion of Commodore R. W. Meade, United States Navy, contains the greater part of the Navy Department exhibit.

In outside appearance it is identical with the coast-line Battle Ships "Indiana," "Massachusetts" and "Oregon." The following are the principal data: Length, 348 feet; extreme breadth, 69 1/2 feet; draught, 24 feet; displacement, 10,251 tons; twin screws, 9,000 H. P.; sea speed, 15 knots; armament, four 13-inch B. L. R.; eight 8-inch B. L. R.; four 6-inch B. L. R.; twenty 6 pdr. R. F.; six 1-pdr. R. F.; two Gatling and Whitehead or Howell Automobile torpedoes. All guns except 13-inch and 8-inch are service guns. The herviest armor is 18-inch, the lightest 3-inch; all vital parts are protected.

POSTOFFICE DEPARTMENT.

1. Model (working) postoffice with all the appliances of a postoffice of the first class.
2. Postal car in which the mail is separated and distributed by postal clerks, exposed to public view.
13. Snow sledge drawn by dogs, carrying United States mail, with uniformed model of Indian runner on snow shoes.

DEPARTMENT OF THE INTERIOR.

Patent Office.

1. Air and gas engine. Eighteen models illustrating the development of the modern hot air and gas engines from the earliest patented engine to the latest improved form of engine used.

UNITED STATES GEOLOGICAL SURVEY.

84. Rocks and fossils. A collection, illustrating the geological column in the United States.

Sequoia National Park, California.

Exhibit No. 104. Big tree. Section thirty feet in length cut from Sequoia Gigantea "General Noble." This section was cut from the tree about twenty feet from its base. The tree was three hundred feet in height. Its diameter at the base twenty-six feet; and its circumference eighty-one and a half feet.

DEPARTMENT OF JUSTICE.

1. Portraits of Attorneys-General of the United States.
2. Portraits of Justices of the Supreme Court of the United States.

WEATHER BUREAU.

104. Meteorological charts and photographs.
105. Meteorological instruments.
106. Weather forecasting.
107. Weather map printing.

SMITHSONIAN INSTITUTION AND NATIONAL MUSEUM.

Birds.

193. Systematic series, showing representatives of all the families of birds occurring in America.
194. A collection of humming birds comprising species of sixty-four genera.

Reptiles and Batrachians.

213. A systematic series of alcoholic specimens, representing families of American reptiles and batrachians.
216. Cast of Jamaica Boa, representing a type of the arboreal, non-poisonous American snakes.

Fishes.

217. A Systematic Series of Fishes in Alcohol, representing the American families.

U. S. FISH COMMISSION.

Fish Culture Section.

10. Transportation Apparatus. Apparatus for collecting and carrying eggs.

THE COLONIAL EXHIBIT.

Collected by Woman's Columbian Exposition Committee of Massachusetts. exceedingly interesting.
WOMAN'S BUILDING.

HOW TO FIND EXHIBITS.

The Rotunda of the Woman's Building occupies the center of the lower floor, and on its walls are hung a large portion of the paintings exhibited by this and other countries, the balance being distributed through the various smaller rooms and exhibition spaces. The floor is occupied by about forty cases, in which are displayed examples of the work of women. Most of the statuary will be found here. Connected with the rotunda are the north and south wings, the whole of the latter and a portion of the former being devoted to exhibits from foreign governments. The eastern portion of the north wing is occupied by the United States. The posts in these wings are lettered from north to south from A to F, and numbered from west to east from 1 to 10. Thus, the posts in the northwest corner of each wing are marked A-1, and those in the southeast corner, F-10, and these letters and numbers are used in the catalogue to designate the location of spaces devoted to the various foreign governments and to individual exhibits in the United States section, as far as possible.

East of the Rotunda are the Process and Educational rooms, north of the eastern vestibule, and the Ethnological and Inventions rooms, south of it. All of these, as well as that devoted to Science, on the opposite side, are filled with exhibits, the general character of which is indicated by their titles.

The southeast corner of the Gallery is occupied by the Board room and the offices of the Board of Lady Managers. The former is open to the public when the board is not in session and contains many works of art. The remainder of the south gallery is devoted to the Organization room, in which over fifty philanthropic and religious societies, clubs and educational establishments have been given space for the reception of their friends and the display of banners, statistics, etc. Passing north from the southwest corner of the gallery will be found the Exhibit room, devoted to a part of the overflow from the United States section, the British Nursing Exhibit room, Record room, New York Library room, another Record room, the Connecticut room (devoted to the use of the Foreign Commissioners) and the Committee room. The Record rooms are filled with statistics of woman's progress throughout the world. The library contains most of the books and pamphlets on exhibition in the building, its title only indicating that its decoration and the care of its books are a contribution from the state of New York. In the northwest corner of the gallery is the Model Kitchen.
INTERESTING EXHIBITS
IN
Woman's Building.

UNITED STATES.
Animal and Vegetable Fibres

Exhibit No. Location
7b. Women of Utah. Silk exhibit of the territory. Pro. room

Poultry and Birds.

27a. Jones, Miss Virginia, Circleville, Ohio. Hand painted plates of nests and eggs of birds found in Ohio. Sci. room
28. Linsley, Mrs. L. F., Minneapolis, Minn. Group of prairie chickens. Sci. room

Wild Animals.

30. Lewis and Clarke Counties Columbian Ass'n, Helena, Mont. Taxidermy. Sci. room


36b. Women of Nebraska. Silver hammer used by Mrs. Palmer at the dedication of the Woman's Building. In Mineral Palace Palace casket.

Limestone, Cements and Artificial Stone.


Machines for Working Stone, Clay and Other Minerals.

Exhibit No. Location
47. Fitch, Mrs. Nancy M., Springfield, Ohio. Kilns for firing decorated china. Pro. room

Railways, Railway Plant and Equipment.


Aerial, Pneumatic and other Forms of Transportation.

54. Tracy, Mrs. Harriet R., New York. Model of elevator. Inv. room

Furniture of Interiors, Upholstery and Artistic Decoration.

66. Ladies of Santa Fe County, Santa Fe, N. M. Table inlaid with gold and silver engraved plates, jewels, ores, etc. Rot. S. Centre

71. Pitman, Agnes, Cincinnati. Decorative treatment of managers' parlor in Woman's Building.
73. Sheldon, Miss E. B., Hartford, Conn. Decorative treatment of Connecticut room in Woman's Building.
75. Turkish Compassionate Fund, New York. Curtains, portiers, etc. N. wing, D-E, 6

Ceramics and Mosaics.

78b. Adams, M. Isabelle, Chicago. Decorated china. N. wing, C, 10
78f. Bailey, Mrs. B. G., Cincinnati. Decorated porcelain. Cinn. room
80c. Bigney, Miss Cora, Cincinnati. Decorated porcelain. Cinn. room
82. Butterfield, Mellona, Omaha, Neb. Jardiniere roses. N. wing, B, 7-8
INTERESTING EXHIBITS IN WOMAN'S BUILDING.

Exhibit No. Location.
84b. Chicago Exchange for Woman's Work, Chicago. Decorated porcelain. N. wing
92. Dodge, Anna S., Milwaukee, Wis. Decorated porcelain. Cinn. room
95b. Fish, Mrs., Butte, Mont. Pitcher, cup and saucer 125 years old. N. wing A, 7
97d. Greene, Mrs. Mary B., Zanesville, O. Decorated china. N. wing F, 9
99. Healey, Mary and Emily, Washington, D. C. Gold covered porcelain. N. wing C-D, 10
100a. Jones, Miss Margaret, Hastings, Neb. Bonbon in raised gold and jewels. N. wing A-C, 7-8
111. Peck, Grace H., Chicago. Decorated porcelain chocolate set. N. wing D, 10
124b. Woman's Work (Self Supporting) Exchange, St. Paul, Minn. Decorated china. N. wing D-E, 10


125. Ladies of Selma, Ala. Carved stone chair. Rot. N. W.
130. Ladies' Flag Committee, Detroit, Mich. Copper statue of girl.
132. Woman's Relief Corps, Sabetha, Kas. Patriotic badges. Org. room
Glass and Glassware.


Stained Glass in Decoration.
134g. Herndl, Miss Marie, Chicago. Stained glass window, "The Queen of the Elves." Ex. room
134h. Woman's Committee of the State of Pennsylvania. Three leaded and stained glass windows. Assem. room

Carvings in Various Materials.

136. Chicago Athenæum Wood Carving School, Chicago. Carved cabinet, chairs, chest, screen, etc.
142a. Green, Mary E., Charlotte, Mich. Carved wood panels. Rec. room
143. Hesenwinkle, Miss Madelaine, St. Paul, Minn. Carved white maple table. Conn. room
151a McAdam, Mrs. Fannie Joplin, Mo. Carved wood panel. Rec. room

Exhibit No. Location.
151h. Murphy, Miss Louise K., Cincinnati. Carved cherry sideboard and carving on piano. Cinn. room
153l. Samson, Miss Nellie, Cincinnati. Carved fire screen. Cinn. room

Jewelry and Ornaments.

164. aagnusson, Mrs. Sigridr E., Iceland. Antique Icelandic jewelry. Pro. room
165. Prosey, Sara E., Whitewater, Wis. Wisconsin pearls.

Fabrics of Jute and Other Vegetable and Mineral Fibres.


Clothing and Costumes.

180. Tracy, Mrs. Harriet R., New York. Sewing machines. Inv. room

Furs and Fur Clothing.

182. Avery, Mary E., Alton, N. H. Feather cloak and cape. N. wing
184. Fuller, Mrs. Viola A., Mitchell, S. Dak. Feather opera cloak. N. wing D, 3

Laces, Embroideries, Trimmings, Artificial Flowers, Fans, Etc.

190. Associated Artists, New York. N. wing B-C, 8-9

a Embroidery.
Color study in textiles. Subject. Fighting Dragons, Clematis portiere, Azalia portiere, Rose hanging, Chrysanthemums on gold cloth, Pomegranate embroidery, Needle woven and embroidered wall hanging.

b Needlewoven tapestry. Reproduction of Raphael's Miraculous draught of fishes. Decorative panel—Peacocks, Figure—Algerian boot-black, Figure—Penelope
INTERESTING EXHIBITS IN WOMAN'S BUILDING.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>231.</td>
<td>Decorative Art Society, Baltimore. N. wing, B-C, 10</td>
</tr>
<tr>
<td>270.</td>
<td>Hollis, J. H., Brooklyn, N. Y. Knitted work.</td>
</tr>
<tr>
<td>371.</td>
<td>Turkish Compassionate Fund, New York. N. wing, D-E, 6 and Rot. case 1</td>
</tr>
<tr>
<td>386a.</td>
<td>Woman's Work (Self-supporting) Exchange, St. Paul, Minn. N. wing, D-E, 10</td>
</tr>
<tr>
<td>388.</td>
<td>Keith, Mrs. George, Maltese, Mo. Bouquets made of the hair of the ladies of the World's Fair Committee of St. Louis County, Mo.</td>
</tr>
<tr>
<td>446a.</td>
<td>Plaster bust—Maud Muller. Rot. S. W.</td>
</tr>
<tr>
<td>448.</td>
<td>&quot;The West.&quot; Rot. C.</td>
</tr>
<tr>
<td>457.</td>
<td>Bronze statuette, &quot;David the Shepherd.&quot; Rot. S. W.</td>
</tr>
</tbody>
</table>

Sculpture.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>597.</td>
<td>Campanile of Santa Croce, Florence, Italy.</td>
</tr>
<tr>
<td>668.</td>
<td>Solari, Mary M., Memphis, Tenn. Crayon work. E gal., Sec. L and N. W. stairway</td>
</tr>
<tr>
<td>731a.</td>
<td>Uhlmer, Miss Florence, Salt Lake City, Utah. Photographs of Society Girls. E. gal., Sec. P</td>
</tr>
</tbody>
</table>

Religious Organizations and Systems—Statistics and Publications.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>753.</td>
<td>Girls' Lutheran Industrial School, Guntur, South India. Art embroidery executed by pupils of the school. S. wing, D, 9</td>
</tr>
</tbody>
</table>

Smithsonian Loan Exhibit of Woman's Work in Savagery. Ethnological Room. Cases 1 to 13 and wall 14.

AUSTRIA.

Location—South Wing, A-C, 8-9 unless otherwise specified.

1. Her Imperial and Royal Highness Archduchess Maria Theresia. Screen with flowers.
5. Guttmann, Mrs., Leopoldine, Vienna. Carpet and cushions in Moorish style.
14. Imperial Royal Institute for Art Embroidery and the manufacture of laces, Vienna.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>493.</td>
<td>Preoccupation. Rot. S. W.</td>
</tr>
<tr>
<td>546.</td>
<td>Five O'clock Tea. Rot. S. W.</td>
</tr>
</tbody>
</table>
INTERESTING EXHIBITS IN WOMAN'S BUILDING.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Exhibit</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>Reinel, Baroness Angelica, Vienna. Antique and modern laces. Von Kirchsberg, Mrs. E., Vienna.</td>
</tr>
<tr>
<td>35</td>
<td>Farm House in Lower Austria. Schweninger, Mrs. Rosa, Vienna.</td>
</tr>
<tr>
<td>44</td>
<td>Be Good Again. Mayreder-Obermayer, Mrs. Rosa, Vienna.</td>
</tr>
<tr>
<td>50</td>
<td>Roses. Rot. N. W.</td>
</tr>
</tbody>
</table>

**BELGIUM.**

Location—South Wing, D-F, 7-8.

5. Her Majesty the Queen. Brussels lace shawl, flounces, jabots and veils; album of photo-gravures of ancient laces.

20. Treasurer of the St. Nicholas Church, Brussels. Lace mantle in Flemish style of early eighteenth century, used for draping figure of the Virgin.


35. Geraniums. Her Majesty the Queen.

38. Cytises.


**CAPE OF GOOD HOPE.**

Location—South Wing, B, 3.

10. Figures of Bushmen in full dress-Kaffir mantle, apron and belts; Mosquito woman's dress.

12. Wild skin rugs and sleeping mats.


15. Fish scale work, wall brackets, tea cozy, painted ostrich eggs, work by Basutoland children, Kaffir feather curios and beadwork.

**DENMARK.**

Location north end of rotunda.

11. Amdrup, Miss Agga, Christianssaaede. Embroidery.


31. Her Majesty the Queen of Denmark. Roses; signed 1845.

<table>
<thead>
<tr>
<th>Exhibit No.</th>
<th>Exhibit</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>H. R. H. the Princess Waldemar of Denmark.</td>
</tr>
<tr>
<td>34</td>
<td>Apples.</td>
</tr>
<tr>
<td>35</td>
<td>Mushrooms.</td>
</tr>
</tbody>
</table>

**FRANCE.**

Location south wing A-F, 1 unless otherwise specified.


71. Henry, a la Pensee, Women Employes of, Paris. a Embroidered fan. b Cushion. c Tapestry.

81. Leroudier, Mme., Lyon. a Ancient embroidery. b Modern art embroidery. French sec. and N. gal.

89. Saunier, Mme., John, Bordeaux. Sixteenth century pearl and precious stone jewelry. Rot. case 35

112. Jan and John. Rot. S. E.


117. Gallery of the Venus of Milo. Rot. S.E.

125. Perlette. Rot. S. E.


130. Chrysanthemums. Rot. S. E.

152. Michaud, Mlle Marie. Painted porcelain miniature. Rot. case 37


158. The Lost Star.

159. The Waking of Cupid.

160. Manon Lescaut.
INTERESTING EXHIBITS IN WOMAN'S BUILDING.

GERMANY.
Location—south wing, A-f, 9-10, unless otherwise specified.

Exhibit No.
Hormuth-Kallmorgen, Mrs. Margarete, Karlsruhe. 72.
Christ Pardonoung the Sinner. Kirsch, Miss Johanna, Munich. 71.
Madonna’s Feast Day. Rot. N. E. Roederstein, Miss Ottlie W., Frankfort-on-the-Main. 86.
The Month of Mary. Rot. N. E. Von Preuschen, Mrs. Hermine, Hockendorf. 98.

CARMICHAEL. 9.
Location—North Wing, E, 1.

   a Toda cloth and bag made by Toda women of the Nilagiris mountains.
   b Handkerchief worked by two girls, aged seven or eight, in the Hobart School, Madras.
   c Embroidery worked by H. H. the Princess of Wadwhan.
   d Wedding cloth made and worn by Jat and Baishnava women of Bikanir.
   e Cushion embroidered by Assif Bibi, a widow, aged fifteen, teacher at the Hobart School, Madras.
   a Embroidered bourkha or wrapper, for street wear, made by a lady of Peshawar.
   b Bodice, embroidered by Hindu woman of Sukhur.
   c Women’s slippers, embroidered on inside of soles by women of Peshawar.
   d Embroidered Peshawar leather work.

ITALY.
Location—South Wing, D-F, 2-3.

2. Di Brazza, Countess Cora. Figure of lace-worker at work. Laces, including the personal lace of the Queen of Italy, consisting of bed-spread under which Victor Emanuel was born, bridal veils of Burano, fans, sachets and Venetian point coupee, Genoese point and Sicilian laces.

JAPAN.
Location—South Wing, D-F, 3-4.


CAUTEMALA.
Location—South Wing, E, 9.

3. Nicolasa, Quiche. Head gear used by natives.

30. School of Chimaltenango, Chimaltenango. Kindergarten articles.

56. Cotero, Manuela M., Guatemala.
   a Embroidered silk handkerchief.
   b Silk cushion embroidered in gold.


37. View from the Queen’s room at Balmoral, in snow, November 12, 1880. N. E. gal.


52. "To the Front" (French cavalry leaving a Breton town on declaration of war), Lady Butler. Rot. N. W.


54a. View from the Queen’s sitting-room at Balmoral in autumn, 1878. N. E. gal.

55. "H. M. the Queen." Two napkins made from flax spun by Her Majesty. A hat painted by Her Majesty and given to her granddaughter, Princess Victoria of Schleswig-Holstein.

337a. Model of proposed leper colony for the Yakutsch Siberian lepers from Kate Marsden, London, with curios of her 7,000 mile journey to Siberia; autograph letter from H. M. the Queen and photographs of the royal family, H. M. the Empress of Russia, etc. S. wing, C, 3-4.