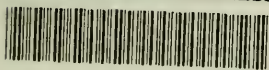


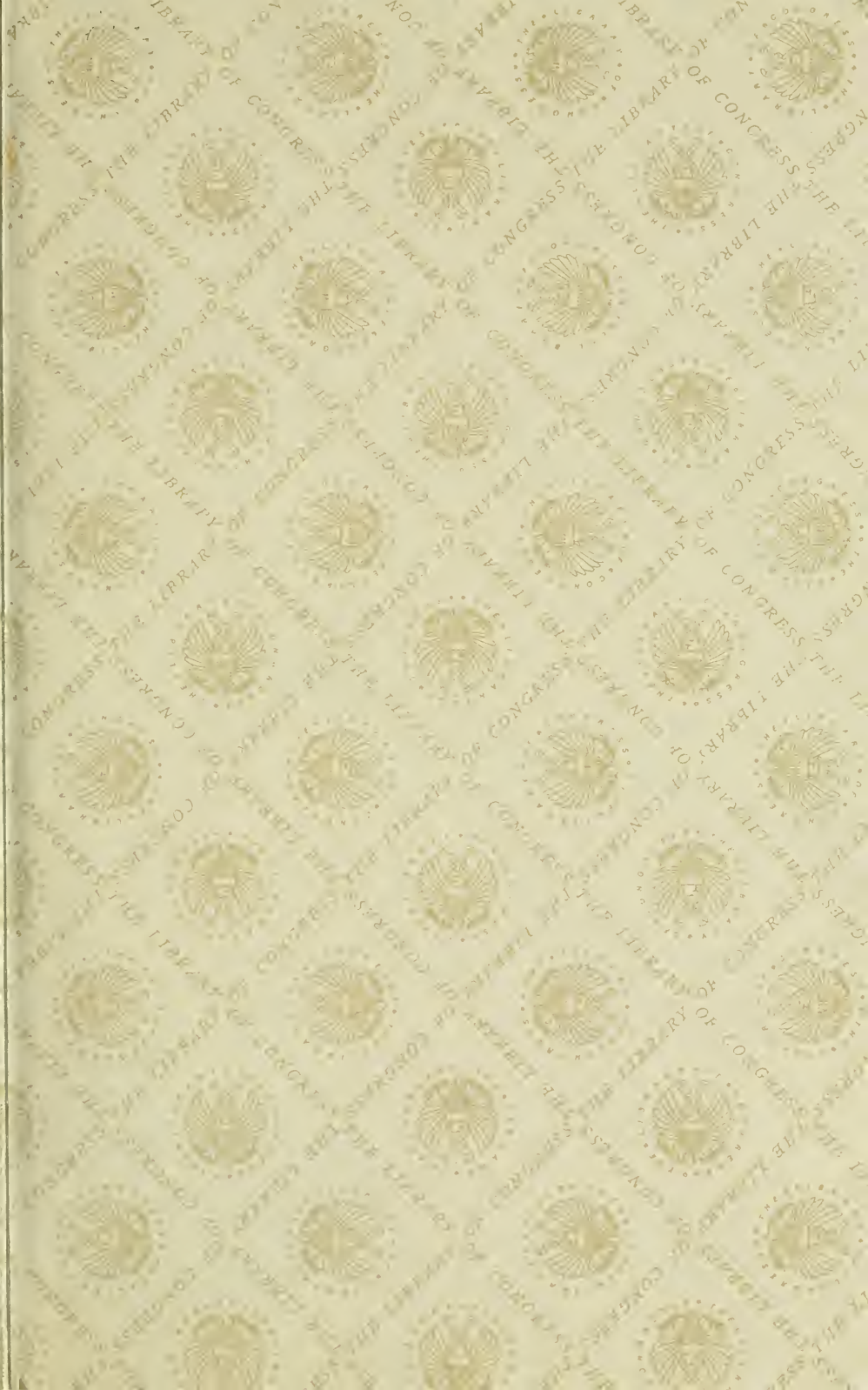
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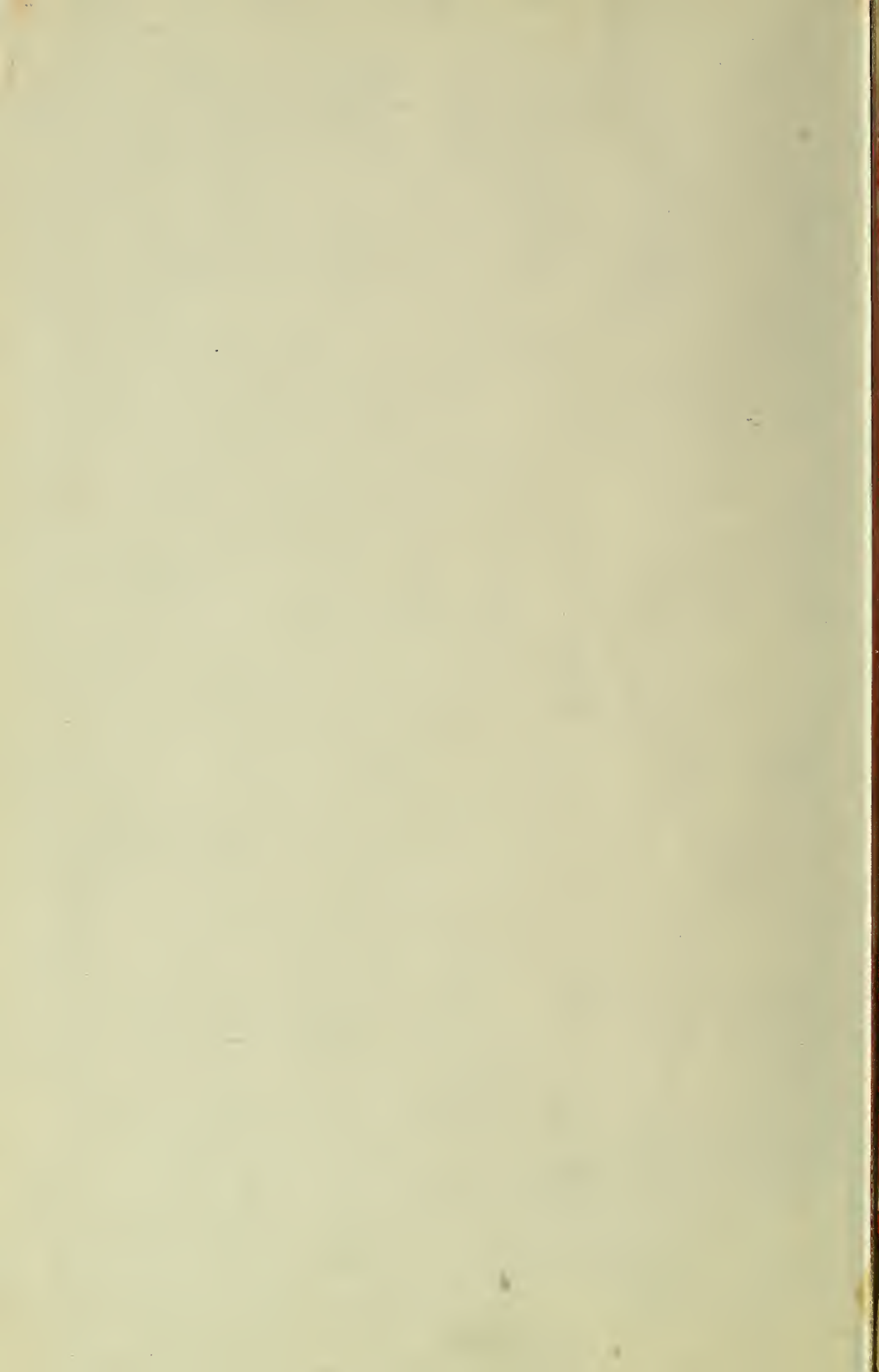
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# INTERESTING EXHIBITS

AND WHERE TO FIND THEM

PLANS AND  
DIAGRAMS

OF  
EXHIBIT BUILDINGS.

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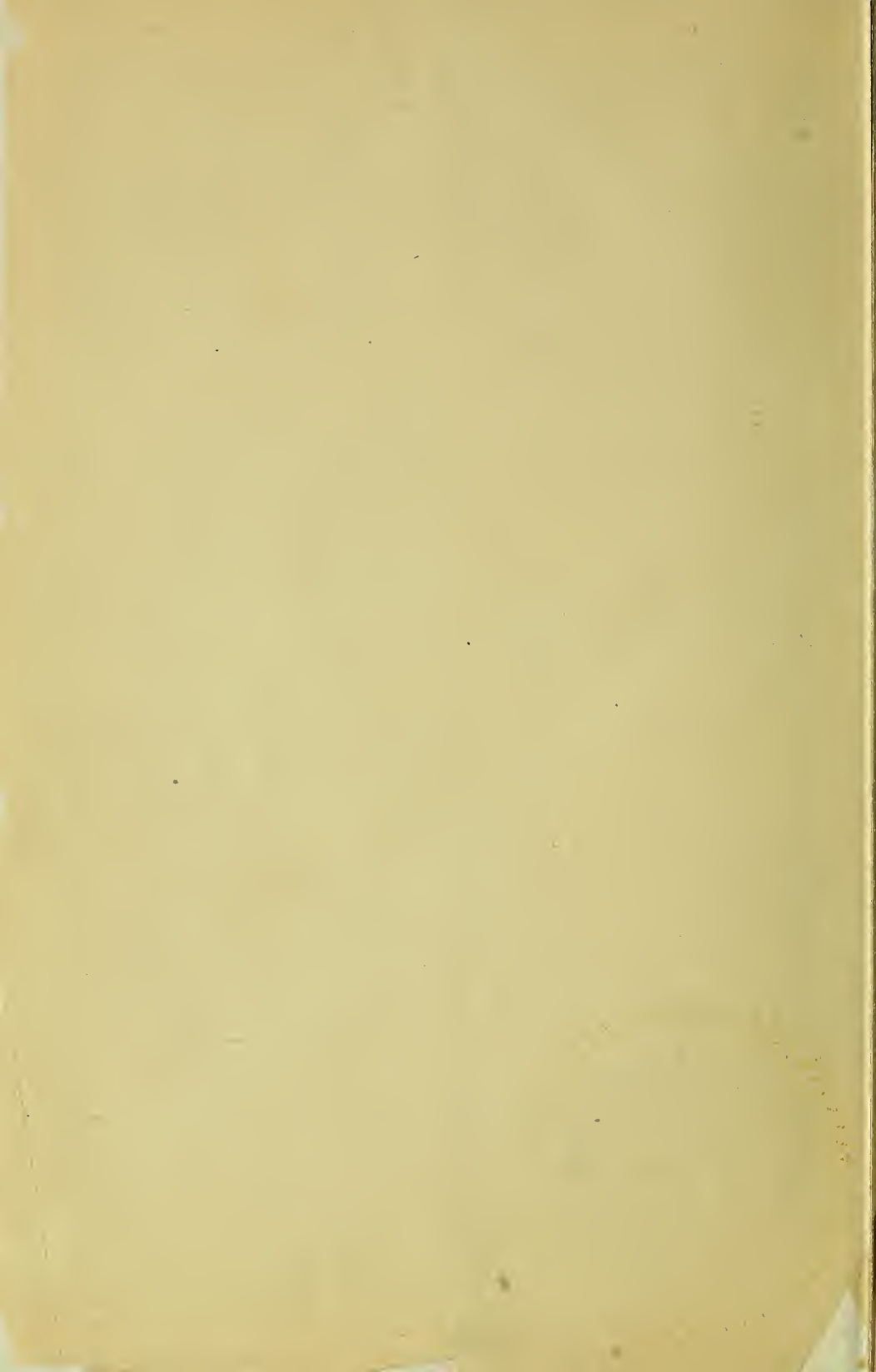
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1893







# MAP

TO

# OFFICIAL CATALOGUES

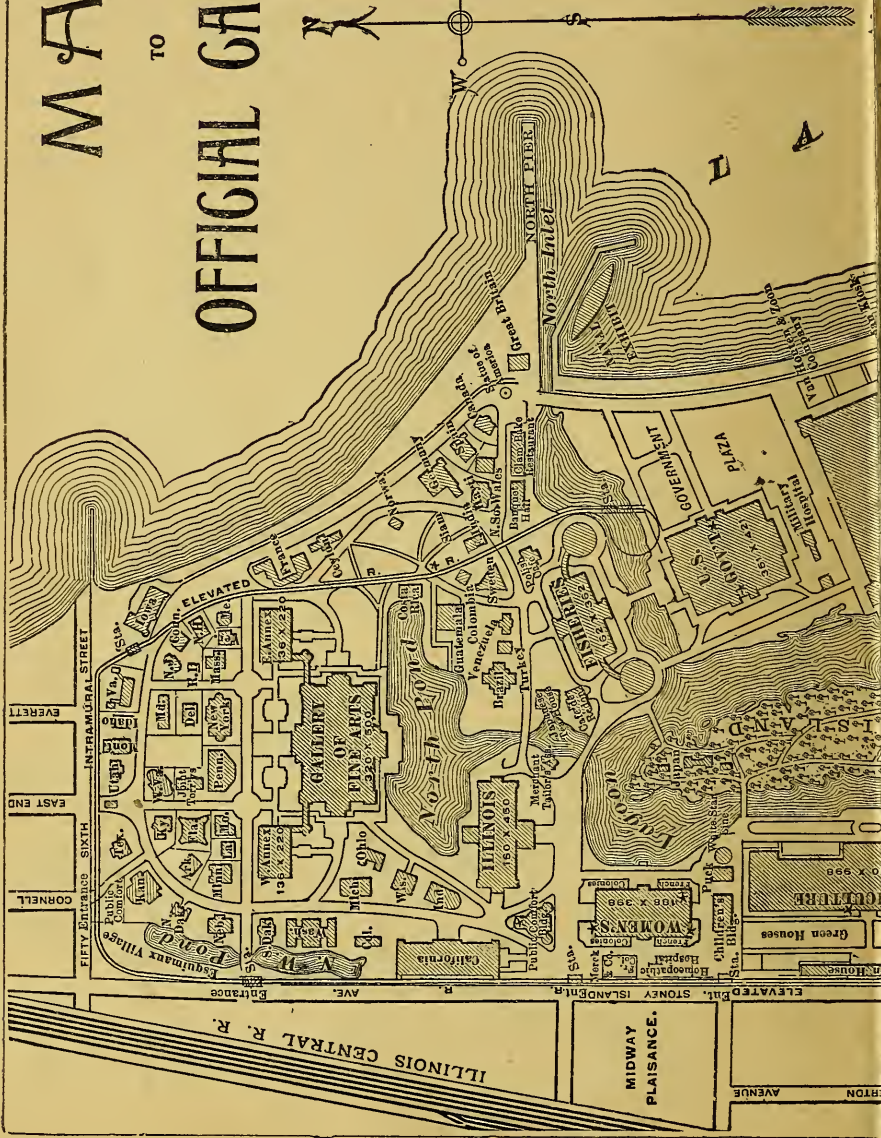
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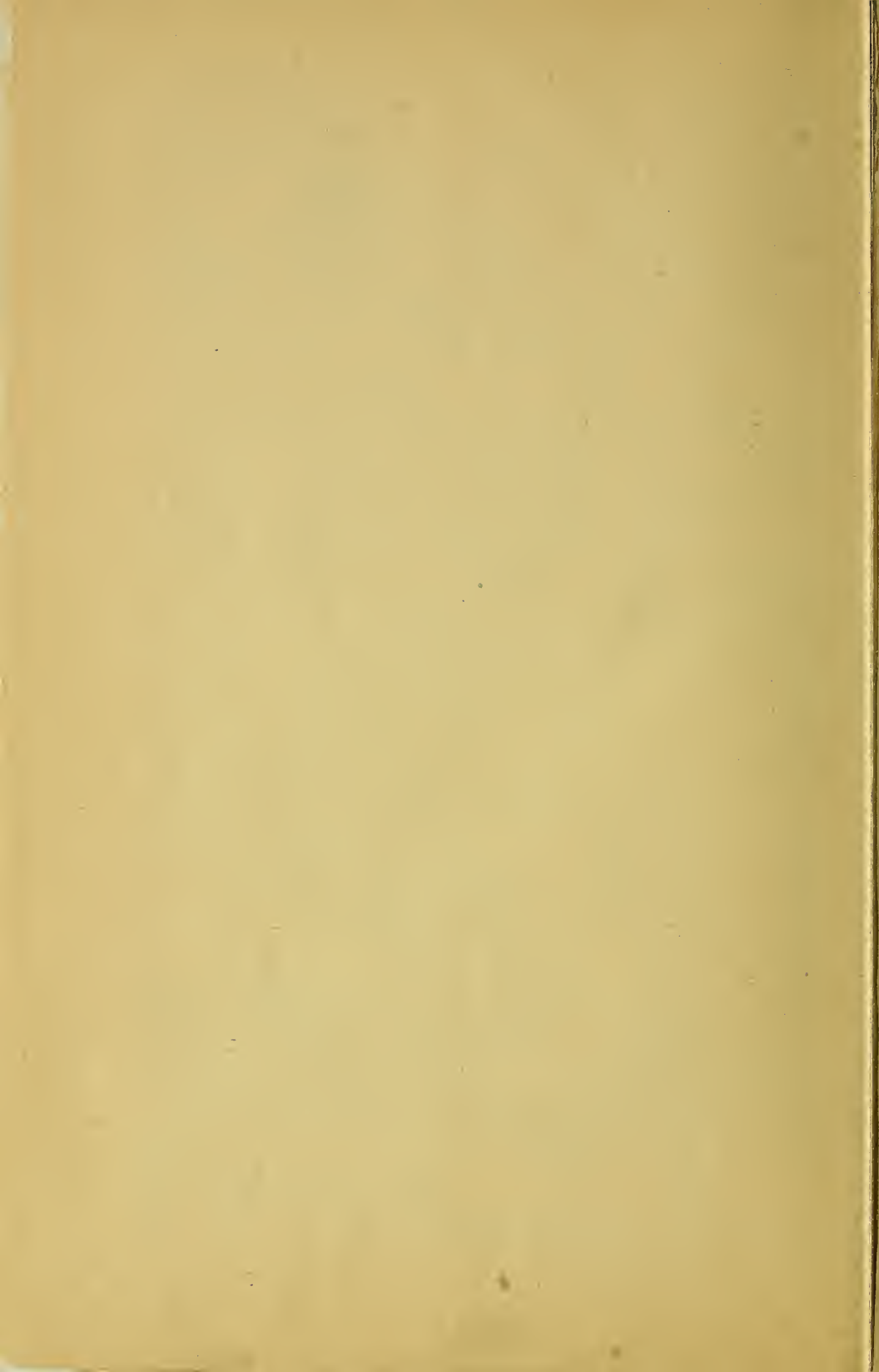
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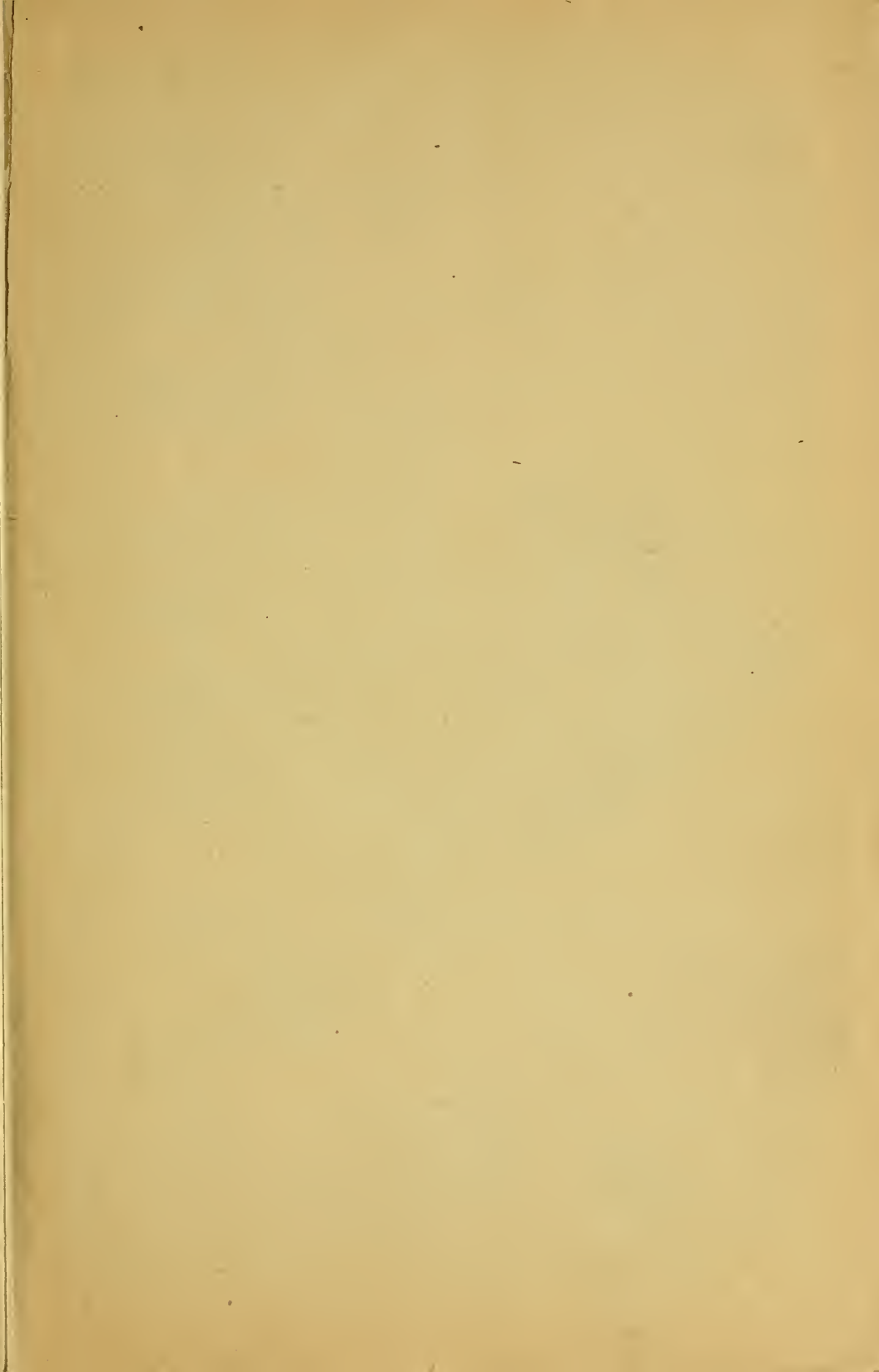
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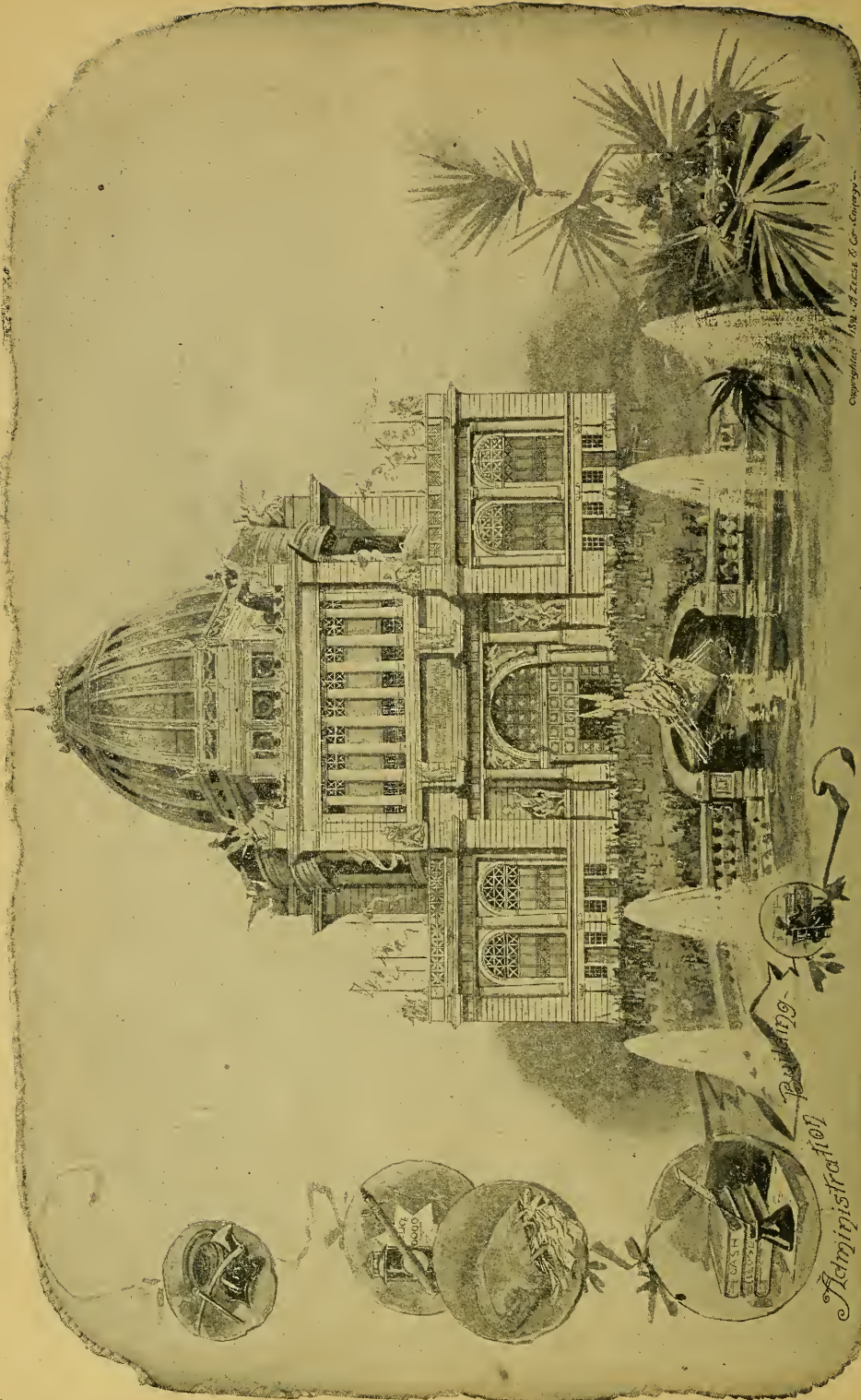








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Administration Building

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OF

INTERESTING EXHIBITS

WITH THEIR LOCATIONS

IN THE

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ALSO COMPLETE

PLANS AND DIAGRAMS

OF ALL EXHIBIT BUILDINGS.

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CHICAGO

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1893

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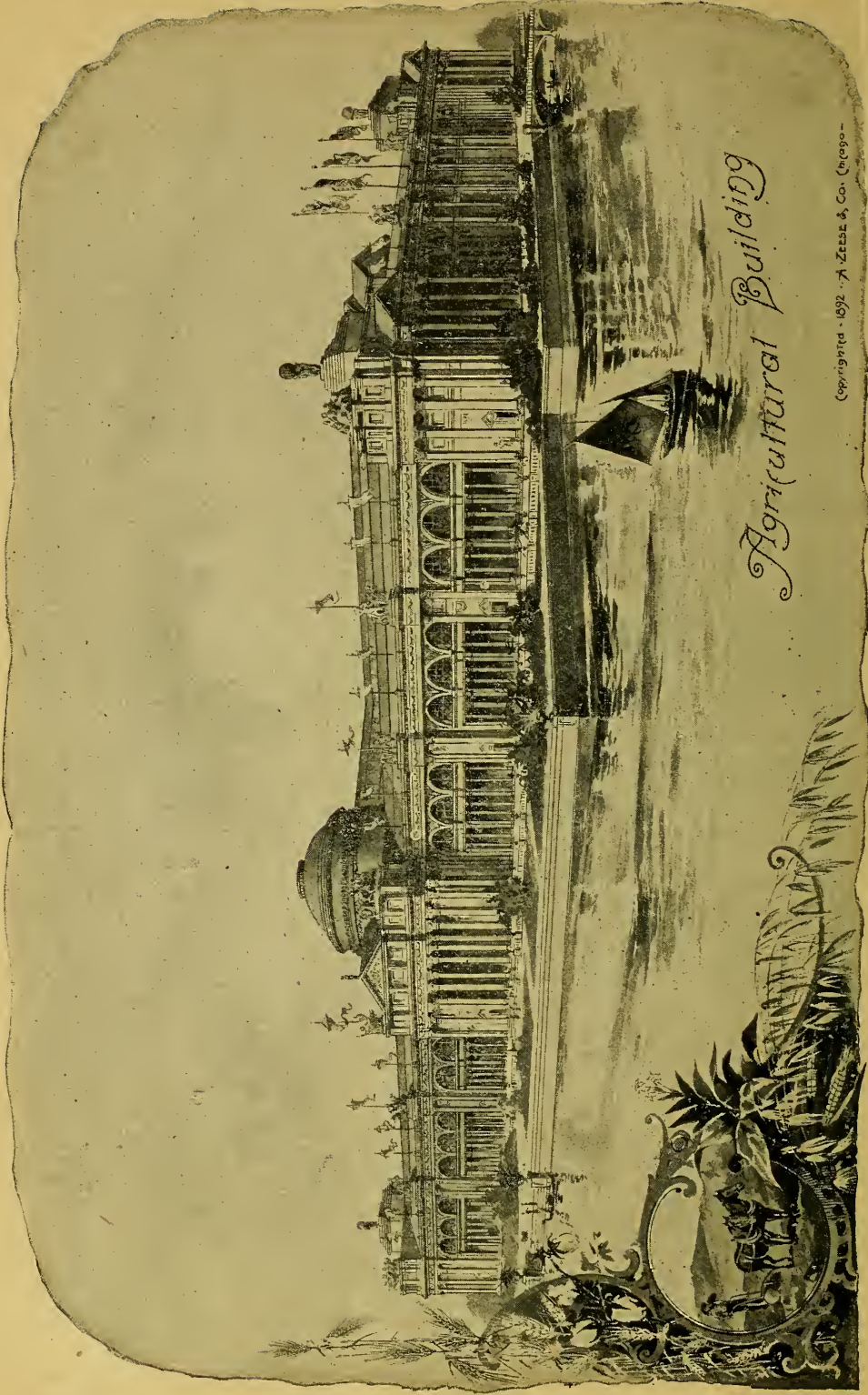
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CHICAGO.

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*Agricultural Building*

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# AGRICULTURAL BUILDING.

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## 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.

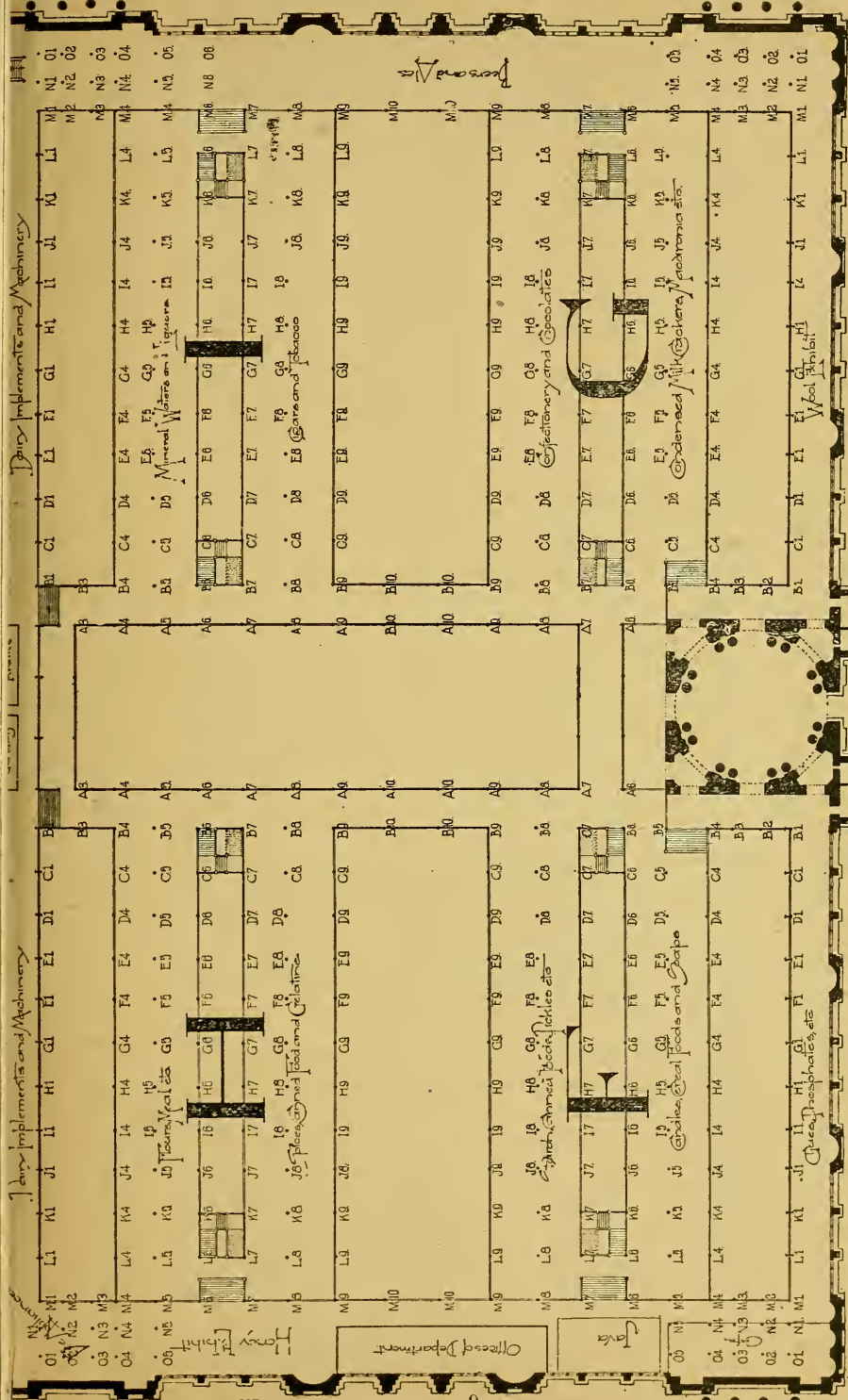
# THE DAIRY BUILDING.

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## 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.





Dairy Implements and Machinery

Dairy Implements and Machinery

Vestibule

Confectionery and Cakes

Confectionery and Cakes

Confectionery and Cakes

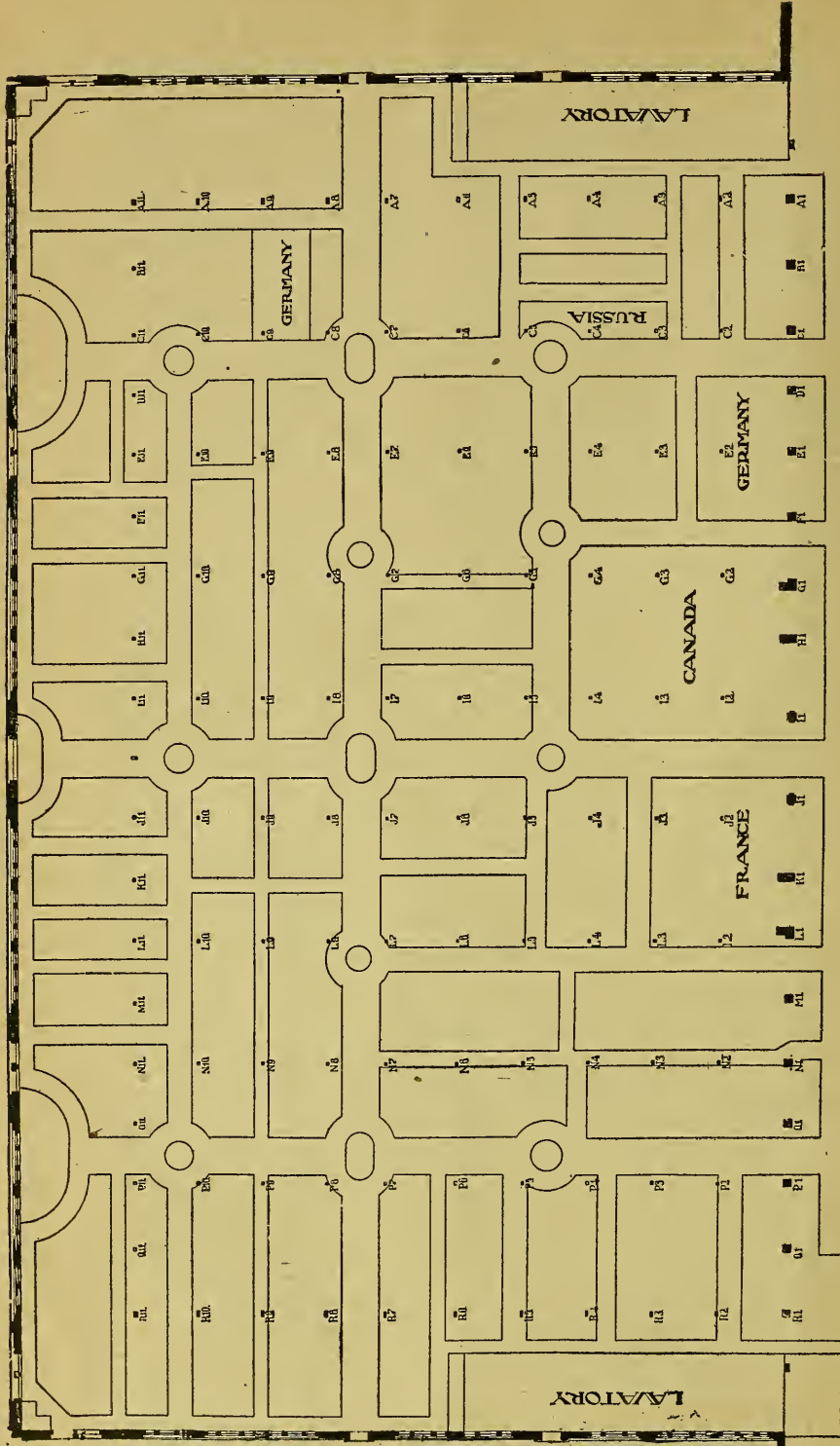
Confectionery and Cakes

Confectionery and Cakes

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GALLERY PLAN.

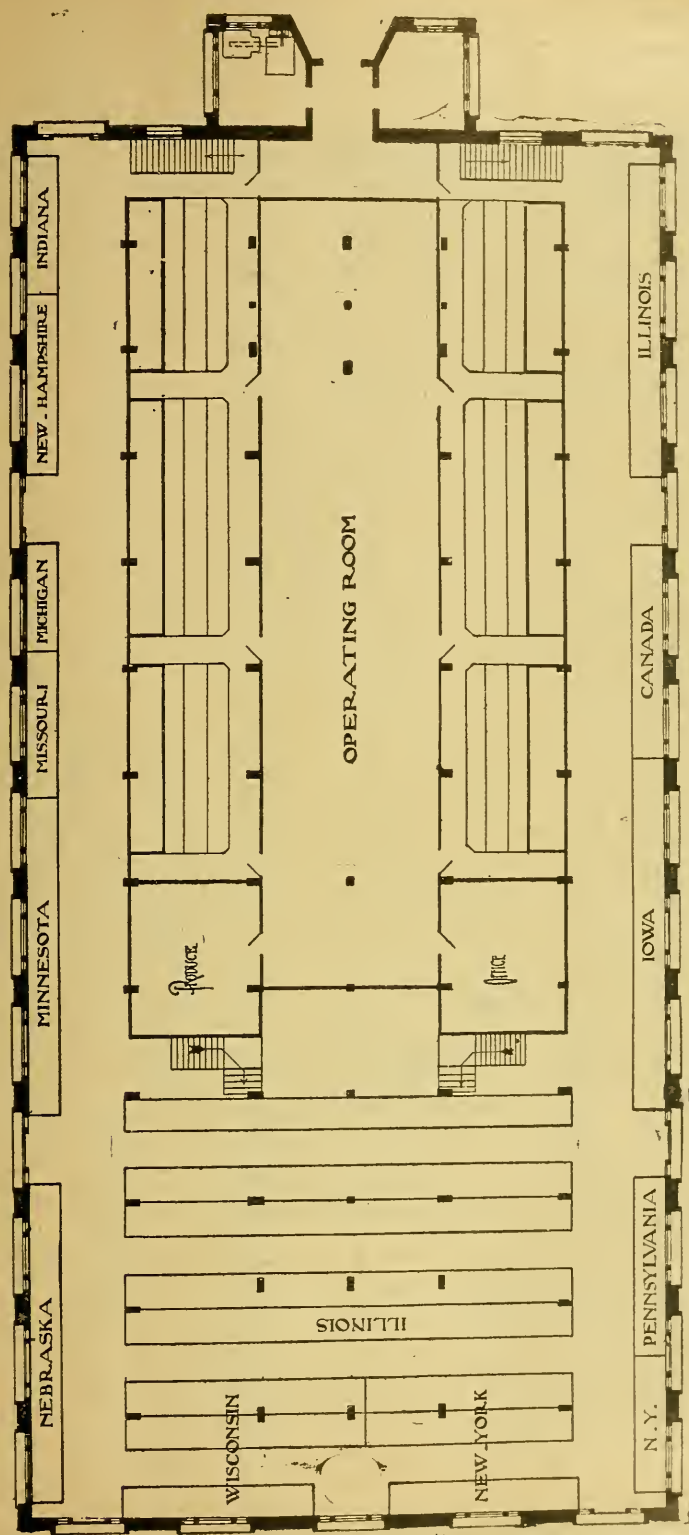
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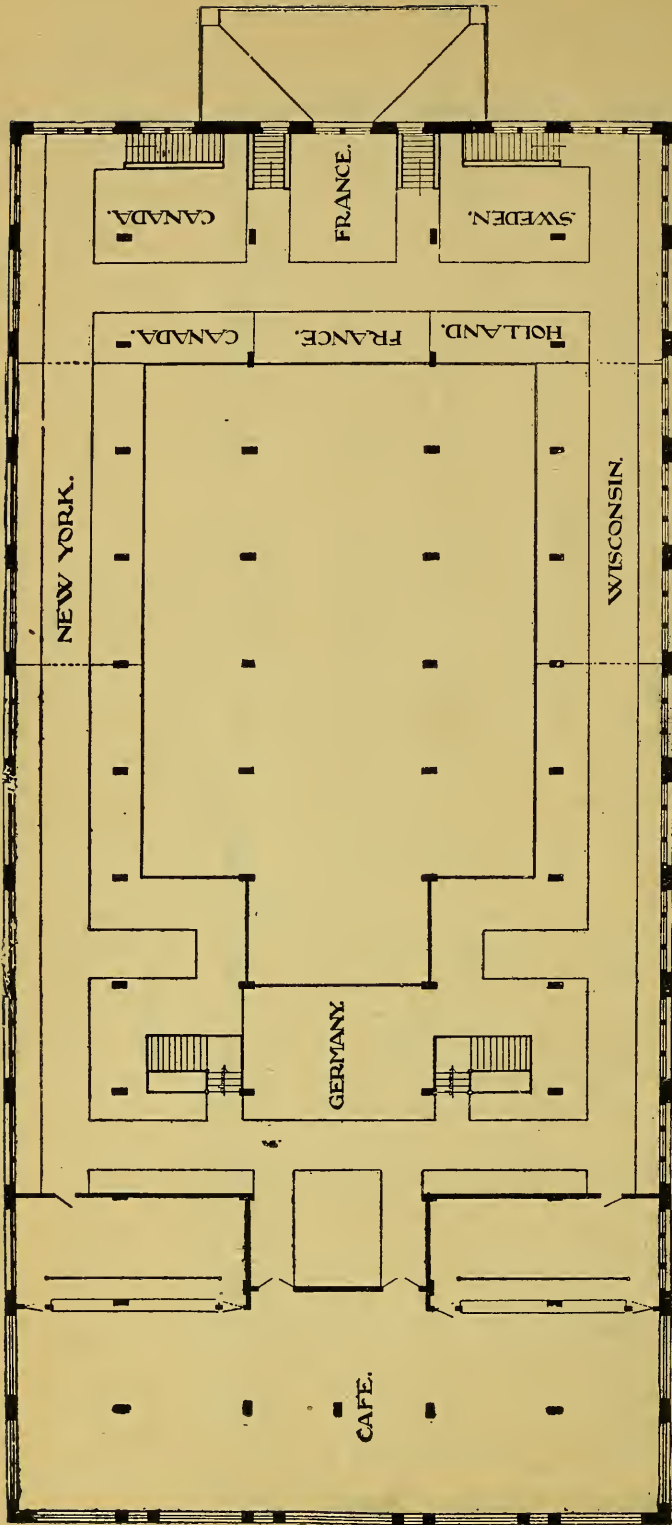
DEPT. OF AGRICULTURE  
 REFERENCE PLAN FOR LOCATING EXHIBITS  
 IN THE IMPLEMENT ANNEX  
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REFERENCE PLAN FOR LOCATING EXHIBITS  
IN THE DAIRY BUILDING  
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DEPT. OF AGRICULTURE.

REFERENCE PLAN FOR LOCATING EXHIBITS  
 ON THE SECOND FLOOR  
 OF THE DAIRY BUILDING  
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# INTERESTING EXHIBITS

—IN—

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

## UNITED STATES.

Exhibit No. Location.

- Cereals, Grasses and Forage Plants.**
1. American Cereal Co., New York.  
Farinaceous foods, etc. F-D-6 & C-6  
Manufacturers of cereal foods, Quaker oats,  
Quaker buckwheat and the F. Schumacher  
cereals. Largest cereal millers in the world.  
Also Chicago, Ill., Cedar Rapids, Ia.
6. Conklin, E. W., & Son, Binghamton,  
N. Y. Timothy and clover seed. C-A-0  
New Patent Process Re-cleaned "Unex-  
celled," "Star," "New Process" and "C. &  
M." Brands Timothy. "IXL" Clover. Five  
purest brands on earth. Only process re-  
moving plantain, daisies, pepper-grass,  
weed seeds.
8. Dickinson, Albert, Company, Chicago.  
a Pop corn. C-E-0  
b Agriculture seeds.  
c Ensilage.
9. Duluth Imperial Mill Co., Duluth,  
Minn. Flour. H-L-8  
You will miss one of the sights of this Ex-  
position if you don't see the "Old Water  
Mill," built 150 years ago, in operation in  
the Agricultural Building.
15. Listman Milling Co., Wm., Superior,  
Wis. Flour. H-E-5  
Manufacturers of the celebrated "Marvel"  
brand of flour. Guaranteed to be the best  
bread maker in the world. Its economical  
features will be readily understood when we  
state that it absorbs twenty pounds more  
water than any other flour made.
23. Washburn-Crosby Company, Minne-  
apolis, Minn. Flour. H-C-5 & H-B-5  
A day in the Washburn flour mills. The  
method of manufacturing the celebrated  
Washburn-Crosby Co. Superlative and Gold  
Medal flour. A fac-simile of the Washburn-  
Crosby Co. plant.
24. Wilson, Samuel, Mechanicsville, Pa.  
Field seeds. C-F-0  
Small fruits, rare bulbs, flower plants, etc.

## Bread, Biscuits, Pastes, Starch, Gluten, Etc.

27. American Biscuit & Manufacturing  
Co., Chicago. Crackers and biscuit.  
G-L-5

- Exhibit No. Location.
- 27a. Bailey, Margaret H., Chicago. Beaten  
biscuit. E-C-1
37. Gillett, E. W., Chicago. Yeast cakes.  
F-M-8
38. Kingsford, T., & Son, Oswego, N. Y.  
Starches. F-G-9  
Laundry starches: "Silver Gloss," "Pure,"  
"Pearl" and "Ontario." Food starches:  
"Corn Starch" and "Prepared Corn." The  
above products are made exclusively from  
maize or Indian corn. Thomas Kingsford  
first invented the process of making starch  
from Indian corn in 1842.
43. New York Biscuit Company, New  
York. Crackers and biscuit. G-I-5
47. Rumford Chemical Works, Providence,  
R. I. Baking powder and preparations.  
F-I-9

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

49. Thatcher, H. D., & Co., Potsdam,  
N. Y. Baking powder. F-D-9  
Put up in  $\frac{1}{2}$  lb., 1 lb. and 3 lb. glass jars.  
Formula: Cream Tartar, parts 67; bicar-  
bonate soda (to neutralize), parts 29 to 31;  
sugar milk, parts 4. United States Patent  
March 4, 1890. Dominion Patent, May 20,  
1891. Leaving power 15.2 to 15.4.

## Sugars, Syrups, Confectionery, Etc.

53. American Sugar Refining Company,  
New York.  
a Raw and refined sugars.  
b Syrups.
55. Chicago Sugar Refining Co., Chicago.  
a Grape sugars. G-I-9  
b Syrups.  
c Glucose, gluten, etc.

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.

62. Lowney, The Walter M., Co., Boston.  
Chocolate bonbons. Special building.  
Do not fail to visit our special building, the

INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

- | Exhibit<br>No.   | Location. | Exhibit<br>No.  | Location. |
|--|-----------|---|-----------|
| <p>"Temple of Vesta," situated next south of Music Hall and near the Peristyle. Exhibition room, ladies' waiting room and offices on the second floor. Retail salesroom on the first floor. Lowney's chocolate bonbons are for sale everywhere.</p>  |           | <p><b>83. Curtice Bros. Co., Rochester, N. Y.</b><br/> <i>a</i> Canned meats and ketchup. C-F-3<br/> <i>b</i> Canned vegetables and fruits; plum puddings and catsup.<br/>                     Fresh fruits and vegetables in glass and tin; rich preserves, jams, marmalades and jellies; plum puddings; meat delicacies; "Blue Label" ketchup; all of extra quality. Established 1868. For sale by all first-class grocers.</p> |           |
| <p><b>63. Maillard, Henry, New York. Confectionery.</b> G-B-7<br/>                     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. Maillard's preparations awarded two gold medals Paris Exposition, 1889.</p>  |           | <p><b>86. Erie Preserving Company, Buffalo, N. Y.</b> H-L-8<br/>                     Proprietors of "Honey Dew" Fancy Brand, "Erie," "York State Apples, Gallons," "East Hamburg," "Niagara," "Princess," "Baby Boy," "Old Homestead Tomato Catsup." Business founded 1873. Originators and preservers of apples in gal. tins. Awarded gold medal New Orleans, 1884. Silver medal Paris, 1889.</p>                                |           |
| <p><b>65. Ohio Maple Sugar &amp; Syrup Exhibit,</b> Burton, Ohio. Maple sugar and syrup.</p>   |           | <p><b>92. Heinz, H. J. Co., Pittsburg, Pa. Fruit butter.</b> F-D-7 &amp; E-D-7</p>  |           |
| <p><b>69. Root, A. I., Medina, Ohio. Bee-keepers' supplies.</b> H-O-4<br/>                     Those interested in the production of honey can not afford to miss this exhibit.</p>  |           | <p><b>94. Howell Condensed Milk &amp; Cream Co., Goshen, N. Y.</b> E-A-5<br/>                     Evaporated milk unsweetened, purified and sterilized. Will keep in any climate. Manufactured by an improved process.</p>  |           |
| <p><b>71. Vermont Maple Sugar Exhibit.</b> Maple sugar and syrup. H-1-9</p>  |           | <p><b>95. Huckins, J. H. W., &amp; Co., Boston.</b> F-J-9<br/> <i>a</i> Sandwich meats.<br/> <i>b</i> Canned soups.<br/>                     Established in 1855. The purest and best soups and meats manufactured. Warranted to keep in any climate. Try them.</p>   |           |
| <p><b>75. Anglo-American Provision Co., Chicago.</b> D-B-0<br/>                     Hog products. Awarded gold medal at the Royal Agricultural Show, Liverpool, England, 1892.</p>   |           | <p><b>96. Humbert, Henry &amp; Co., Brooklyn, N. Y.</b> H-1-8<br/>                     Jelly soups.<br/>                     Our jelly and soups are made expressly for the sick; great and unremitting care taken in selecting material used, and in their manufacture.</p>  |           |
| <p><b>77. Armour &amp; Co., Chicago.</b> D-A-1<br/> <i>a</i> Canned meats.<br/> <i>b</i> Canned soups.<br/> <i>c</i> Extract of beef.</p>  |           | <p><b>97. Libby, McNeill &amp; Libby, Chicago.</b> F-B-8<br/> <i>a</i> Potted meats, soups.<br/> <i>b</i> Beef extract.</p>   |           |
| <p><b>78. Barnett Produce Company, Chicago.</b> H-F-7<br/>                     Sauer-kraut. "Silver Thread" known to the trade as the highest possible standard of excellence. Sales largest of any brand made.</p>  |           | <p><b>100. New York Condensed Milk Co., New York.</b> G-C-6<br/>                     Condensed milk evaporated cream.<br/>                     Also the Illinois Condensing Co., Chicago. Manufacturers of the "Gail Borden Eagle Brand" condensed milk; also of the "Crown," "Daisy," "Champion," "Magnolia" and "Dime" brands. Prepared under the vacuum process invented by Gail Borden in 1853.</p>                           |           |
| <p><b>80. Burnham &amp; Morrill Co., Portland, Maine.</b> H-D-9<br/> <i>a</i> Canned meats.<br/> <i>b</i> Canned soups.<br/>                     Paris brands, green sugar corn and succotash. Baked beans, meats, soups, fruits, vegetables. Machias Bay and Red Jacket brands, lobster. Scarboro Beach brand, clams, clam chowder and clam extract. Fish chowder, mackerel, etc. A gold medal awarded at Paris Exposition, 1878.</p>       |           | <p><b>102. North Packing &amp; Provision Co., Boston.</b> D-D-0 &amp; D-B-0<br/> <i>a</i> Dried beef.<br/> <i>b</i> Hams and bacon.<br/> <i>c</i> Salted meats.<br/> <i>d</i> Tongues, tripe, pigs' feet, sausages and pepsin.<br/>                     Packers and jobbers of provisions. Special</p>  |           |
| <p><b>82. Cudahy Packing Co., South Omaha, Neb.</b> D-D-0<br/> <i>a</i> Canned meats.<br/> <i>b</i> Extract of beef.<br/>                     Beef and pork packers. Owners of the celebrated Diamond C and Rex brands sugar-cured meats and pure leaf lard. Agencies in all the principal cities of the United States and Europe. Packing houses: South Omaha, Neb., Sioux City, Ia., Los Angeles, Cal. Principal office, Chicago, Ill.</p> |           |   |           |



INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Exhibit No. Location.

attention given export orders for hams, bacon, lard, dry salted meats, cured and packed specially for all markets. Cable address, North, P. O. box 5247, Boston.

104. Snider, The T. A., Preserve Co., Cincinnati. Soups. F-B-9

Snider's home-made catsup and soups are the finest ever offered to the trade.

106. St. Charles Evaporated Cream Company, St. Charles, Ill. Evaporated cream. G-D-6

Perfectly sterilized. Prepared without sugar or chemicals. Unrivalled as a food for babies and invalids and culinary uses.

108. Swift and Company, Chicago. D-E-0

- a Dried beef.
- b Hams and bacon.
- c Salted meats.
- d Beef extracts; beef and hog products.
- e Fresh meats.

Dressed beef, pork mutton and veal, lard, coto-suet, sausage, barreled pork, barreled beef, pickled tongues, pickled pigs' feet, pickled tripe. Oleo oil, neatsfoot and lard oils, pepsin.

**The Dairy and Dairy Products.**

113. Boyd, John, Chicago. I-K-1

- a Creamer.
- b Cream and cheese vats.

116. Cornish, Curtis & Greene Mfg. Co., Fort Atkinson, Wis. Dairy implements. I-K-1

Manufacturers of all kinds of apparatus for making butter and cheese, in the factory and on the farm; creamery and dairy churns; hand and power butter workers; cream and cheese vats; oil test churns; Curtis-Babcock milk tester; cheese presses; separators; boilers and engines.

118. CreameryPackage Mfg. Co., Chicago. Dairy supplies and fittings. H-B-1

Butter tubs, egg cases, fruit packages.

119. Davis & Rankin Building & Manufacturing Co., Chicago. Dairy machinery. I-F-1

Manufacturers of all kinds of creamery machinery and dairy supplies. Exclusive manufacturers of the famous Alexandria Jumbo Separator. A speciality of the best hand separators made.

120. DeLaval Separator Co., New York. Cream separators, dairy implements. I-H-1

Makers of the "Baby," "Alpha" and other DeLaval cream separators for dairy and creamery use. Capacities 150 to 3,600 lbs. milk per hour; 45,000 in use throughout the

Exhibit No. Location.

world. Manufactories and stores, Stockholm, Sweden, Poughkeepsie, N.Y., Elgin, Ill. Branch offices, Philadelphia, Pa., Elgin, Ill. 129. Genesee Salt Co., New York. Salt. II-B-1

142a. Seaman, Cox & Brown Cooperage Co., Chicago. Kegs and barrels. H-C-1

For liquor, cider, white lead, butter, etc.

143. Sharples, Philip M., Elgin, Ill. Cream separators. II-I-1

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.

144. Simpson, McIntire & Co., Boston. Butter in sealed tins. II-G-8

Finest diamond creamery butter packed in hermetically sealed tins for export and interior points. Highest awards received in its class when exhibited. Gold, silver and bronze medals. Packed in 1, 2, 3, 5 and 7 pound tins.

146. Thatcher Mfg. Co., Potsdam, N. Y. Dairy supplies. I-K-1

Manufacturers of the celebrated Thatcher's orange butter color. Common sense glass milk jar. Condensed milk tumblers. Glass, cheese and butter crocks. Milk dealers' supplies. Milk jar fillers, etc.

148. Vermont Farm Machine Company, Bellows Falls, Vt. Dairy appliances. I-M-1

Manufacturers of everything for handling milk and cream in the dairy, creamery and cheese factory. Creamers, churns, butter workers. All styles and sizes of cream separators and butter extractors for dairy and factory. Babcock milk testers, boilers, engines, etc.

152. Baker, Walter & Co., Dorchester, Mass. Chocolate and cocoa. G-G-4

Special Bldg. Visit our special building, opposite Manufacturers Building. Try our Breakfast Cocoa and Chocolate Soda, and get a copy of Miss Parloa's receipt book. Our Cocoa preparations are absolutely pure, and are used exclusively in the New York Cooking School exhibit and the New England Kitchen.

153. Baron Machine Co., Baltimore, Md. Cigar bunching machine. E-C-2

The only practical long-filler machine in commercial use. 28 of them in one factory in New York; saves over \$175 a day.

162. Ellinger, Julius, & Co., New York. Cigars. I-I-7

Specialty made of clear Havana cigars at

INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Exhibit

No. their Florida factory. Leading brands, La Francesca, Clinton, John Crerar, etc. The "Lyceum Bouquet" manufactured at N. Y. factory, is their Sumatra wrapper and Havana filler product. This firm operates fact's 69 & 58 1st D. of Fla. and No. 19, 2d N. Y.  
168. Heinz, H. J., Co., Pittsburg, Pa. Pickles and other condiments.

F-E-7 & F-D-7

Have 29 branches in the principal cities in the U. S. Have 30 medals and awards, including gold medal at Paris, 1889. Factories have over 10 acres of floor space.

171. Kerbs, Wertheim & Shiffer, New York. Cigars. I-C-9

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.

178. Lozano, Pendas & Co., New York. Cigars. I-E-7

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.

187. Ottenberg, L., & Co., New York. Cigars. I-G-9

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

188. Portuondo, Juan F., Cigar M'fg Co., Philadelphia. Cigars. I-E-9

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.

191. Seidenberg & Co., New York. Cigars. I-H-7

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.

193. Stachelberg, M., & Co., New York. Cigars. I-L-7

Havana cigars made of the choicest vegas of Vuelta Abajo 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-

Exhibit

No. tory, No. 290, 2d district, New York, is printed on the bottom of every box.

194. Stahl, Jacob, Jr., & Co., New York. Cigars. I-D-8

Makers of Hotel Brunswick, Royal Standard, Seal of Columbia, Los Famosos and Flor de Dante Havana cigars.

198. Van Houten, C. J., & Zoon, Chicago. Cocoa. Special Bldg.

Branches: London, Paris, Melbourne, Dusseldorf; New York, 106 and 108 Reade St.; Chicago, 45 to 51 Wabash Ave. Manufacturers of Van Houten's world-famed cocoa. Best and goes farthest.

199. Warren Cigar Co., Flint, Mich. Cigars. I-H-7

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. 1833, incorp'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.

215. Munger Improved Cotton Machine M'fg Co., Dallas, Texas, and Birmingham, Ala. Cotton gin, presses and machinery. E-R-2

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.

217. National Cotton Gin & Wool Burrer Co., Boston. Cotton gin, feeder and wool burrer. E-R-1

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

a Silk products representing silk culture in the United States.

b Cocoons. C-E-3

c Silk flags and American made reels.

Pure and Mineral Waters, Natural and Artificial.

229. Manitou Mineral Water Co., Manitou, Col. Mineral waters, ginger champagne and sarsaparilla. I-B-4

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 rosier 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.

233. Salutaris Co., St. Clair Springs, Mich. Mineral water. I-C-5

Salutaris is a natural gaseous alkaline table water of absolute purity. It may be drunk 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.

239. Bernheim Bros., Louisville, Ky. Sour mash whiskies. South of Annex.

Distillers of Old Fashion, Hand Made, Sour Mash Bourbon, and Rye whiskies. Own the celebrated brands "I. 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.

245. Guckenheimer, A., & Bros., Pittsburg, Pa. Malt and rye whisky. I-L-5

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.

246. Hannis Distilling Company, Philadelphia. Rye whiskies. I-J-5

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

Manufacturing chemists. Pure flavoring extracts, proprietary medicines, toilet and

Exhibit

No. household articles, inks and mucilages. Specialties: California orange cider, wild cherry phosphate and aromatic ginger ale. Laboratory and office, 3841 Vincennes ave.

253a. Old Times Distillery Co., Louisville, Ky. Whisky.

"Old Times," "Kentucky Comfort," "Gladstone," 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 Liqueurs.

260. Anheuser-Busch Brewing Association, St. Louis. Lager beer. I-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 Culmbacher; 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. I-M-7

276. Pabst Brewing Co., Milwaukee, Wis. a Malt extract. G-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. I-M-8

b Beer.

INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Exhibit  
No.

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

289. German American Filter Company,  
New York. Beer filtering apparatus.

E-A-1

**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 one town. See us. One state a fortune.

**Literature and Statistics of Agriculture.**

310b. Agricultural Colleges and Experiment  
Stations of the United States (in co-  
operation with the United States Depart-  
ment of Agriculture). Publications and  
charts; equipment and lines of work of  
individual institutions; appliances and  
methods of instruction in agriculture, hor-  
ticulture, 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 Machin-  
ery.**

310c. Adriaance, Platt & Co., Poughkeepsie,  
N. Y. Binder, reaper, mowers and drop-  
per. E-N-8

Offices, New York City, Hamburg, Paris.

311. Aermotor Company, Chicago. Wind-  
mills, 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, cut-  
ters and water supply fixtures. The origi-  
nators of the modern steel windmill, steel  
fixed and tilting towers.

319. American Well Works, Aurora, Ill.

a Windmill, pumps. Windmill ex.

b Steam ditcher. E-M-11

320. Ann Arbor Agricultural Company,  
Ann Arbor, Mich. E-P-5

a Hay press-

b Hay cutters, horse power and jack.

The credit for this neat exhibit really be-  
longs 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 graders and scrapers in  
the Transportation Building. Their sales-  
rooms at Michigan avenue and Madison

Exhibit  
No.

street, Chicago, cover 9 floors, 150x165 feet,  
and contain 750 employees. 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.

323a. Aultman, Miller & Co., Akron, Ohio.  
Binders and mowers, and binder twine. E-I-9

324. Aultman & Taylor Machinery Co.,  
Mansfield, Ohio. E-A-9

a Straw stacker.

b Threshing machines.

c Traction engine.

328. Austin, F. C., Manufacturing Com-  
pany, Chicago.

a Steam generator, feed mills and  
cutters. E-E-11

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. Busi-  
ness established in 1836.

339. Birdsell Manufacturing Company,  
South Bend, Ind. Clover hullers. E-B-11

340. Bissell Chilled Plow Works, South  
Bend, Ind. Plows. E-P-11

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 bag-  
gers. All sizes. Time-proven.

345. Bradley, David, Manufacturing Com-  
pany, Chicago. E-J-10

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.

INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

Exhibit  
No.  
348a. Bucher & Gibbs Plow Co., Canton,  
Ohio.

- a Plows. E-L-10
- 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.

350. Cardwell Machine Co., Richmond,  
Va.

- a Hydraulic cotton and wool baling presses. E-O-1
- b Cotton seed oil mill machinery.

Threshing machines and peanut machinery. Plug and smoking tobacco machinery.

354. Chanler, John A., New York. 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 maintenance. Address Equitable Building, N.Y.

355. Chattanooga Plow Company, Chattanooga, Tenn.

- a Plows. E-E-11
- b Cane mills, evaporators and kettles.

Chilled metal turning plows.

Special patterns for export trade.

373. Deere & Co., Moline, Ill. Plows and cultivators. E-I-11

374. Deering, Wm., & Co., Chicago. Harvesting machinery. E-I-6-7

Manufacture grain binders, reapers, mowers, and grain binder twine. Works the largest of the kind in the world. The original 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. Windmill ex.

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. E-G-7

Also manufacturers of horse corn planters, check rowers, cotton planters, cultivators and side delivery hay rakes.

384. Empire Drill Co., Shortsville, N. Y. Grain drills, plaster sower. E-N-5

390. Famous Manufacturing Company, Chicago. Baling presses. E-P-3

"Champion" baling presses, steam, horse and hand power, for baling hay, straw, cotton, excelsior, shavings, moss, tin and paper scrap, dry goods, fruit, vegetables and all

Exhibit  
No.  
other balable materials. Largest factory and most complete line made in the world.  
392. Farquhar, A. B., & Co., York, Pa. E-E-3

- a Plows, harrows and cultivators.
- b Corn planter and grain drill.
- c Rake separator.
- d Thrasher 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.

396. Foss Mfg. Co., Springfield, Ohio. a Corn planters. E-A-4

- b Corn harvesters.
- c Corn shellers.
- d Farm mills and grinders.

399. Gale Mfg. Co., Albion, Mich. Tillage implements. E-F-11

Plows, cultivators, harrows, hay rakes, seeders, etc. 14 first prize medals.

405. Grand Detour Plow Company, Dixon, Ill. Plows, harrows and cultivators. E-G-10

409. Haworth & Sons, Decatur, Ill. Corn planter, check rower. E-E-4

Front and rear covering wheel corn planter, Haworth's. The original check rower, cross and side wires. Drill and fertilizer attachments.

410. Hayes Pump & Planter Co., Galva, Ill. Check row and combined drill planters, shoveling boards, etc. E-R-7

Hayes check row planters.

Eclipse combined planters.

"Boss" and "Daisy" shoveling boards.

Hot water heating apparatus.

414. Higbie, Nathaniel B., Chicago. Oats cleaner. E-R-6

Higbie pat. 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.

423. Joliet Manufacturing Company, Joliet, Ill. Corn shellers. E-E-4

Manufacturers of the "Eureka" and other power corn shellers, horse-powers, etc.

INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

- | Exhibit<br>No. | Location.   | Exhibit<br>No. | Location   |
|----------------|---|----------------|--|
| 426.           | Kappe, W. J. H., Quincy, Ill. Hay baling presses. E-R-11  | b              | Reaper, mower and binder, hay rake.  |
|                | Manufacture "The Favorite" horse and steam power hay and straw baling presses.  |                | 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.   |
| 426a.          | Kelley, O. S., Co., Springfield, Ohio. Steam road rollers. South of annex Sizes, 5 to 15 tons. Excellent machines. Six being used by Columbian Exposition.  | 454a.          | Myers, F. E., & Bro., Ashland, Ohio. a Hay tools. E-L-10<br>b Iron pumps.  |
| 434.           | Lean, R., & Son, Mansfield, Ohio. Harrows. E-Q-11   |                | 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.  |
|                | Makers of Zigzag, Diamond and lever adjustable tooth all-steel harrows, suitable to all classes of soil throughout the world. Established over twenty years.  | 461.           | Osborne, D. M., & Co., Auburn, N.Y. a Harrows. E-J-8<br>b Mowers, harvesters, binders, hay rakes and tedders.  |
| 438.           | Mast, P. P., & Co., Springfield, Ohio. a Cultivators. E-N-7<br>b Grain drills; seeders.<br>c Hay rakes.<br>d Cider mills and hand carts.  | 468.           | Pirch, August, Los Angeles, Cal. Irrigation and ditching plow. E-L-11<br>All purpose reversible side hill plow.  |
| 441.           | McCormick Harvesting Machine Co., Chicago. Binders, reapers, mowers, drop-pers, etc. E-J-5  | 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. |
|                | 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. | 477.           | Reliable Incubator & Brooder Co., Quincy, Ill. Incubators and brooders. Incubator building.<br>Located south of agricultural building. Dealers in fancy poultry, food and supplies. The only incubator and brooder combined. Write for catalogues.   |
| 447.           | Milwaukee Harvester Co., Milwaukee, Wis. Harvester and binder, mowers. E-E-6  | 481.           | Ross, E. W., Company, Springfield, Ohio. Fodder, straw and cane cutters. E-E-6   |
|                | 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.  |                | Oldest and most reliable manufacturers of ensilage cutters and horse powers in the U. S. Ensilage book and catalogue free.   |
| 450.           | Moline Plow Company, Moline, Ill. a Plows and cultivators. E-C-11   | 483.           | Sandwich Manufacturing Company, Sandwich, Ill. a Harvester. E-G-7<br>b Corn sheller and baling press.  |
|                | Makers of the celebrated Flying Dutchman Sulky 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.   |                | 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.   |
|                | 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 13.  |
| 451.           | Morgan, D. S., & Co., Brockport, N.Y. a Harrows and hoes. E-N-3   | 485.           | Schleicher, Schumm & Co., Philadelphia. Gasoline engine. I. E. ex. Stationary and portable gasoline and petroleum engines.   |
|                | 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.   |                |  |

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, \$3 to \$300. Carriers any length and style to suit special silos; powers, 2, 4 and 6-horse sweep; 1, 2 and 3-horse tread; 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-I-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.

512. Ward, Montgomery & Co., Chicago.

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

512. Ward, Montgomery & Co., Chicago.

- 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. Victorious throughout the world. Have never been beaten in a contest. Manufacture a full line.

520. Wilson Bros., Easton, Pa. Bone mill and cutter. E-A-5

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.

521. Wood, Walter A., Mowing & Reaping Machine Co., Hoosick Falls, N. Y.

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

Mowers, reapers, binders and hay rakes.

521a. Wood, Walter A., Harvester Co., St. Paul, Minn. Harvesters, binders, bundle carriers, mowers and hay rakes.

Mowers, reapers, binders and hay rakes. E-L-4

Miscellaneous Animal Products—Fertilizers and Fertilizing Compounds.

523. Crystal Gelatine Co., Boston. Gelatine. H-I-7

524. Grace, Wm. R., & Co., New York. 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, hoofs and bone.
- b Fertilizing material.

Fats, Oils, Soaps, Candles, Etc.

533a. American Cotton Oil Co., New York. 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. Cottonole, a vegetable cooking fat, made of refined cotton seed oil and purified beef suet.

536. Balcum, P. A., Soap Company, Denver, Col. Toilet soap. F-O-5

"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.

INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

- | Exhibit No.  | Location.      |
|--|----------------|
| 537. Baumer, Francis, Syracuse, N. Y.<br>Candles and beeswax.  | N. Y.<br>C-H-3 |
| 541. Eckermann & Will, Syracuse, N. Y.<br>Beeswax and candles.   | N. Y.<br>C-H-3 |
| 542. Electric Cleanser Company, Canton, Ohio.<br>Cleaning compound.  | F-M-8          |
| Cleans carpets, rugs, woodwork, glass, brass, woolen, silk, satin and plush goods.   |                |
| 545. Gross Bros., Milwaukee, Wis. Soap.  | F-M-8          |
| Western House, 55 S. Canal St., Chicago, Ill.  |                |
| 551. National Linseed Oil Co., Chicago.<br>Oils, oil cake and meal.  | C-A-0          |
| 559. Swift and Company, Chicago. Butterine, lard and oils.   | H-F-4          |
| Neutral lard.  |                |
| 564. Wrigley Manufacturing Company, Philadelphia. Scouring soap.   | F-M-6          |
| Wrigley's mineral scouring soap, established in 1870. Highest premium awarded by the Franklin Institute of Pennsylvania in 1874. Used for cleaning, scrubbing, scouring and polishing. |                |

**Poultry and Birds.**

566. Emmerich, Charles, & Co., Chicago.  
Feathers and pillows. F-H-5  
Established 1858. The oldest, largest and only exclusively feather house in America. 175-181 S. Canal St., cor. Jackson St.
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.**

571. Kerr, Alex., Bro. & Co., Philadelphia. Salt. H-C-1

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

574. St. Joseph Pump Co., St. Joseph, Mo. Elevator and purifying pump. E-B-2 Annex  
Manufacturers of the celebrated "Perfection" water elevator and purifying pump.

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

575. Butchers' Supply Co., St. Louis. Packing house appliances.

- | Exhibit No.   | Location. |
|---|-----------|
| 575a. Wolf, Sayer & Heller, Chicago.<br>Meat market supplies.<br>Manufacture the Model Cooler; guaranteed perfect dry air at least cost of ice. | Chicago.  |

**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.**

- 580a. Hubbard Portable Oven & Manufacturing Co., Chicago. Steel ovens. E-C-2  
o Portable sectional steel ovens.

**ALGERIA.**

Location—Sec. A.

- 26a. Amoros, Pedro, Oran.  
a Manufactured tobacco.  
b Cigars and cigarettes.
32. Jobert, G., Mostaganem.  
a Manufactured tobacco.  
b Cigarettes.
35. Sabatier, Jerome, Tlemcen. Cigars and cigarettes.
41. Bergerie Nationale, Moudjebour. Fleece of sheep and Angora goats.
65. Boulan Vve. & Flandin Thoniel, Cizi-Ouzou. Cordials and assorted liqueurs.
70. Fayolle, du Monsties, Oued-el-Alleng. Liqueurs and sweet wine cordial.
80. Roquefort, Pierre, Renault. Sweet wine cordial.

**ARGENTINE REPUBLIC.**

Location—Sec. B, N. W. Quarter.

762. Bouvier, G., & Co., Chaco Central. Tobacco.
775. Government of Jujuy. Coffee.
824. Aspiazu & Co., Depto. 30, Pampa Central. Fleeces.
1245. Schumann, Teo, Buenos Ayres. Wild animal skins.
1249. Sohncke, Alfredo, & Nussbaum, Puente de Oro. Wild animal skins.
1265. Vigneau, Gabriel, Colony Aauino, Formosa. Tamandua guazu and yacare skins.



## INTERESTING EXHIBITS IN DEPARTMENT A. AGRICULTURE.

Exhibit  
No.

### AUSTRIA.

Location—Sec. B, N. W. Quarter.

12. Kotanyi, Johann, Vienna. Paprika.
13. Pfister & Wuestel, Laaz (Bohemia). Hops.
23. Mattoni, Heinrich, Giesshuebl-Puchstein, near Carlsbad. Mineral waters and well products.
31. "La Ferme," Liqueurfabriks-Actiengesellschaft, Dobruschka (Bohemia). Liqueurs.
37. Kubelka Gebrüder, Klosterhradisch (Moravia). Malts.

### AUSTRALIA.

Location—Sec. A, N. E. Quarter.

- 1a. Bailey & Wynne, Terinallum, Darlington. Wool and fleeces.
4. Currie, John, Titanga and Gala, Lismore. Wool fleeces.

### BELCIUM.

3. Candeil, Ch., Brussels. Chocolate and confectionery.
8. Societe Anonyme Fabrique Internationale de Conserves Alimentaires "Le Soleil," Malines. Canned goods.
11. Senez, Ph., Brussels. Chocolate, cocoa.
19. Goethals, E., Meulebeke. Bottled beer.

### BRITISH GUIANA.

Location—Sec. B, N. W. Quarter.

86. British Guiana Museum. Reptiles and fishes.
88. 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.
101. Shanks, Alex, Vriede-en-Rust Pottery Works. Pottery.
106. British Guiana Museum. Fur skins of the fox, otter, jaguar, sloth and howling monkey.
121. British Guiana Commission.
  - a Logs of Towaroneo timber, black greenheart, mora, bullet wood, purple heart, locust, hooboballi, kabukalli, kakaralli, tonka bean, iron wood, sayu, horse eye, pakoorie, wallaba, waibaima, crabwood, yellow sirouaballi, souari, wamara, monkey pot,

Exhibit  
No.

- moraballi, kautaballi, buhurada, yellow greenheart, hackia, eta palm, tooroo palm, manicole palm and letter-wood.
- b Wallaba shingles, Venetian blind, inlaid work-box, panels, inlaid tables, etc.
- c Letter-wood frames, rulers, walking sticks, paper knives, etc.
- d India rubber, locust and Hiawa gums.
- e Castor oil, carapa, baracara and horse eye seeds, monkey pots, tonka beans, etc.
- f Medicinal barks.
- g Wallaba vats, tubs.
- h Baskets.
- i Buttressed and hollow trees in sections, climbing stems.
- j Model of punt and floating timber.

### CANADA.

Location—Sec. A, N. E. Quarter.

1. Canadian Government Central Experimental Farm for Ontario and Quebec, Ottawa. Cereals.
3. Canadian Government Experimental Farm for British Columbia, Agassiz. Cereals.
4. Canadian Government Experimental Farm for Manitoba, Brandon. Cereals.
5. Canadian Government Experimental Farm for Maritime Provinces, Nappan. Cereals.
6. Canadian Government Experimental Farm for Northwest Territories, Indian Head. Cereals.
- 13y. Cameron, Augus, McPherson's Office. Cheese.
- \*31y. Erie Supply Co., Dutton, Ont., Churns. United States patent for sale.
- 62y. Miller, G. W., West Breme. Cheese.
53. Gurd, Chas., & Co., Montreal. Aerated waters.
- 2 gold, 2 silver, 3 bronze medals and 11 diplomas awarded for superior excellence.
55. Walker, Hiram, & Sons, Walkerville, Ont. Whisky.
- Distillers and bottlers of "Canadian Club" whisky. Guaranteed by Excise Department of Canadian Government, by certificate over capsule of every bottle. No other government provides this absolute assurance of purity and ripeness. Particularly adapted for medicinal use.
56. Carling Brewing & Malting Co., London, Ont. Ales and beer.

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.

85a. Vantuyt & Klemstever, Petrolia, Ont.

*a* Thresher.

*b* Cutter.

**CAPE OF GOOD HOPE.**

Location—Sec. A, N. E. Quarter.

7. Cape of Good Hope.

*a* Buch tea.

*b* Tobacco.

*c* Cigars.

25. Springfield Wool Washery, Cape of Good Hope. Scoured wool.

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.

6. Caravajal y Ca., L., Havana. Cigars.

17. Upman, H., Havana. Cigars.

26. Tres-Palacio y Aldabi, Havana. Liquors.

**CURACAO.**

Location—Sec. B, N. W. Quarter.

28. Camera de Comercio, Santiago de Cuba. Collection of minerals with maps, plans, etc.

30. Fernandes Auja, Escegued, Havana. Gold ore and ingots.

35. Vidal y Careta, Francos, Havana. Rocks and quartz.

Exhibit  
No.

**DENMARK.**

Location—Sec. A, N. E. Quarter.

3. Andersen, Chr., Svenborg, Funen. Dairy appliances.

7. Nielson, I., Copenhagen. Milking machine.

8. Paarsch, W., Horsens, Jutland. Dairy appliances.

12. Hartz, Carl, Copenhagen. Liquors.

23a. Dahlstrom & Lohmann, Copenhagen. Automatic greasing apparatus.

28. Petersen, P. T., Randers, Jutland. Wooden shoes and boots.

**ECUADOR.**

Location—Sec. A, Main Floor.

94. Roggeroni, Noriega & Luis, Guayaquil. Brandy, anisette, cognac, etc.

100. Government of Ecuador, Quito. Bird feathers.

106. Ecuador, Government of, Quito. Construction wood. (500 samples.)

*a* Red bark carsarilla.

*b* Caoutchouc, gums, resins, wax, copal.

*c* Vegetable ivory (Tugua), palm, laurel.

*d* Valeriana, zarzaparrilla, vanilla, musmus, guayusa, romerillo, guillucaspi.

Main floor, B

114. Valenzuela, Jose, Guayaquil. Herbs and liquid for the cure of poisonous bites.

**FRANCE.**

Location—Sec. A, N. E. Quarter.

8. Vilmorin-Andrieux et Cie., Paris. Grain and seeds.

17. Association des chimistes de sucrerie et de distillerie de France et des colonies, Paris. Sugar, raw materials and manufactured products.

23. Jacquin, A., Paris. Confectionery, chestnuts in syrup.

24a. Menier, Me d' Chateaudain, Paris. Chocolates.

27. Pötin, Felix, Paris. Chocolates and confections.

31a. Societe des Agriculteurs du Nord a Lille. Potatoes, sugar beets, roots and seeds.

34. Amyeux, M. et Cie., Chantenay-les-Nantes (Loire-Inferieure). Canned food.

36. Chevalier, Ch. L., Puteaux (Seine). Canned food.

INTERESTING EXHIBITS IN DEPARTMENT A. AGRICULTURE.

Exhibit No. Location

**GERMANY.**

Location—Sec. B, N. W. Quarter.

15. **Stollwerk, Gebr., Cologne.** Confectionery, etc.
- 31a. **Popp & Becker, Drs., Frankfort-on-Main.** Apparatus for the sterilization of milk, soups, fruits and other substances. S. Gal. H, A-1
44. **Stein & Koester, Mayence.** Hops.
49. **Apollinaris Company, Ltd., London.** Mineral waters. Apollinaris water. A natural effervescent mineral table water, bottled at the Apollinaris Spring at Ahrweiler, near Neuenahr, Rhenish Prussia. Friedrichshall water. The tonic aperient water. Charles Graef & Co., 32 Beaver St., New York, United States agents of the Apollinaris Co., Ltd.
57. **Rheinische Gesellschaft fuer Metal Industrie, Cologne.** Mineral water.
78. **Underberg-Albrecht H., Rheinberg am Niederrhein.** Bitters. The only genuine and world-renowned "Boonekamp of Maag-Bitter." Luyties Brothers, New York, sole agents.
85. **Erste Bamberger Export-Bierbrauerei, "Frankenbräu," Bamberg.** Beer in metal barrels.
- 86a. **Hildebrand, Justus, Pfungstadt, Hessia.** Beer.
91. **Sandler, G., Kulmbach.** Beer in barrels and bottles.
98. **Euzinger, L. A., Worms.** Machinery and appliances for bottling beer.
140. **Fahlberg, List & Co., Salbke-Wes-terhuesen on Elbe.** Saccharine. New sweetening medium made from coal tar. 500 times sweeter than granulated sugar. Unfermentable; healthier than sugar. Used by physicians and all industries requiring purity. Patents in all countries.

**CREAT BRITAIN.**

Location—Sec. A, N. E. Quarter.

4. **McCann, John, Drogheda, Ireland.** Oatmeal. John McCann manufactures none but the very best white oats grown on the finest tillage land in Ireland. Specially prepared by patent machinery of his own invention. Obtained highest award everywhere exhibited—London, 1851; Dublin, 1853; Philadelphia, 1876, and Cork, 1883.

Exhibit No. Location.

7. **Parkinson, R., & Sons, Burnley.**  
*a* Baking powder.  
*b* Custard and egg powders.  
 Prepared by chemists. Chemically accurate. 5 prize medals, London, Brussels, Edinburgh, etc. Free from alum in any form.
15. **Crosse & Blackwell, Ltd., London.**  
*a* Preserved fish.  
*b* Preserved meats, vegetables and soups.
18. **Liebig's Extract of Meat Company, Ltd., London.** Extract of meat, meat meal, etc.
25. **Birmingham Vinegar Brewery Co., Ltd., Birmingham.** Table sauces, pickles, spices, etc.
33. **Lipton, Thomas J., London.** Tea and coffee.
- 40a. **Apollinaris Company, Ltd., London.** Mineral waters.
46. **Denton, Smith, Bradford.**  
*a* Mineral waters.  
*b* Aerated waters.
63. **Irish Whisky Company, Ltd., Belfast.** Irish whisky.
70. **Old Bushmills Distillery Company, Ltd., London.** Irish whisky. Pure Malt. Distillery, County Antrim, Ireland. Offices, Belfast, Ireland; Camomile St., London. Supplied at The Great White Horse Inn, World's Fair.
71. **Power, Sir John, & Son, Dublin, Ireland.** Whiskey. 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 & Murphy, 10 and 12 Wabash Ave.
74. **Allsopp, Samuel, & Sons, Ltd., Burton-on-Trent.** Ales and stout. Brewers and bottlers of India pale ale and extra stout. (The Red Hand brand.)
- 75a. **Burroughs, Wellcome & Co., London.** Extract and Essence of Malt, etc. Kepler Extract of Malt, highly diastasic and non-alcoholic. Kepler Essence of Malt, a liquid digestive and nutrient. Kepler bitter Essence of Malt or concentrated ale. Kepler Solution of Cod liver oil in Extract of Malt. New York office, 347 Fifth Ave.
79. **Foster, M. B., & Sons, Ltd., London.** Beers. 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-

INTERESTING EXHIBITS IN DEPARTMENT A.—AGRICULTURE.

- Exhibit No. Location.  
 position. Output, 12 million bottles per annum.  
 84. Porter, Robert, & Co., London. Ales and stout.  
 87. Burdett-Coutts, W., London. Model of Brookfield stud-farm, portraits of some Brookfield prize winners.

**GREECE.**

Location—Sec. C, S. E. Quarter.

10. Coulouriotis, Panagiotis, Athens.  
*a* Cut tobacco.  
*b* Cigarettes.  
 22. Marava Bros., Calamata. Raw silk.  
 23. Stassinopoulo Bros., Calamata. Silk cocoons and raw silk.

**GUATAMALA.**

43. Hernandez, Luis, Alta Verapaz. Coffee.

**HONDURAS.**

Location—Gal. F, S. W. Quarter.

1. Honduras Commission.  
*a* Tobacco.  
*b* Cigars.

**ITALY.**

Location—Sec. D, S. W. Quarter.

- 23a. Sacenati Ligure, Lombarda. Sugar.  
 27. Cavietaghi & Pellegrini, Milan. Salted meats.  
 36. Renoldi, Davide, Milan. Chocolate.  
 46. Boccardo, Francesco, Genoa. Liqueurs  
 47. Branca Bros., Milan. Fernet bitters  
 116. Massardo, Diana & Co., Sampierdarena. Preserves.

**MEXICO.**

Location—Sec. B, N. W. Quarter.

251. Morelos, Government of the State of, Cuernavaca Morelos. Sugar.  
 284. Yucatan, Government of the State of, Merida, Yucatan. Molasses.  
 400. Acosta Francisco, San Buenaventura, Chihuahua. Cut tobacco.  
 420. Chiapas, Government of the State of, Tuxtla, Chiapas.  
*a* Wild tea, Simojvel and Mexcalapa and other coffee, Mexcalapa, Pichulcalco and Tuxtla cocoa; chocolate.  
*b* Common pepper.  
*c* Tobacco.  
*d* Cigars.

- Exhibit No.  
 453. Grajales, G., Merida, Yucatan. Cigars, cigarettes and cut tobacco.  
 473. Martinez, Antonio, Zongolica, Vera Cruz.  
*a* Coffee.  
*b* Highland pepper.  
*c* Tobacco.  
 521. Tremari, Pedro, Papantta, Vera Cruz. Vanilla.  
 646. Cabrera, O. B., Villa Reyes, San Luis Potosi. Mezcal brandy and cut agave for brandy purposes.  
 657. Chiapas, Government of the State of, Tuxtla, Chiapas. Sugar-cane brandy.  
 777. Cerveceria "Cuauhtemoc," Monterrey, Nuevo Leon. Beer.  
 821. Laroche, Eduardo R. Saltillo, Coahuila. Cottonseed oil soap.

**NETHERLANDS.**

Location—Sec. A, N. E. Quarter.

2. Laming, J., & Sons, Rotterdam. Cheese.  
 Largest shippers to all world's markets by special facilities for collecting choicest Holland cheese in Hoorn, Gonda, Enkhuyzen, Purmerend, Edam, Schoonhoven and Bodegraven. They can please every taste. This exhibit is renewed weekly by fresh cheese.  
 5. Blooker, J. & C., Amsterdam. Cocoa. Blooker's Dutch cocoa; Blooker's Ceylon liquor; Blooker's cocoa butter. Choicest articles on the market.  
 6. Driessen, A., Rotterdam. Sweet chocolate and cocoa.  
 Cocoa and chocolate most highly awarded. Purveyor to H. M. the late King of Holland.  
 10. Fockink, Wynand, Amsterdam. Cordials and liqueurs.  
 Established in 1679 at Amsterdam. Distiller of curacao and all genuine Dutch liqueurs. First award at the Centennial exhibition held at Philadelphia 1876 and all international exhibitions juror at the Amsterdam, Nice and 1889 Paris exhibition. Agent for U. S., G. S. Nicholas, New York.  
 12. Van Dulken, Weiland & Co., Rotterdam. Gin.  
 Highest award Paris Exposition, 1889.  
 16. Mirandolle, Voute & Co., Amsterdam. Javapok.  
 Export yearly about 35,000 peculs, especially fit for bolstering and bed-filling purposes. Yearly increasing consumption. Elasticity, lightness, cleanliness. For particulars apply to Mirandolle, Voute & Co., Samarang (Java) and Amsterdam.

INTERESTING EXHIBITS IN DEPARTMENT A. AGRICULTURE.

Exhibit  
No.

**NEW SOUTH WALES.**

51. Australian Meat Co., Ramornie.
  - a Preserved meats.
  - b Extract of meat and meat soups.
54. Sydney Meat Preserving Co., Sydney.
  - a Preserved meats.
  - b Extract of meat and meat soups.

Fleeces, Pure Bred Fine Wools.

  1. Allen, Edmund John, Stoney Creek, Young.
  9. Dickinson, W. & T. C., Xarrawin, Brewarrina.
62. Cousins, Walter Y., Debeah.
  - 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.
198. Berg, Count. Centrifugal grain sorting and cleaning mill.
200. Votinsk Iron Works. Ploughs and harrows.

Exhibit  
No.

**SPAIN.**

Location.

Location—Sec. B, N. W. Quarter.

32. Castello y Vila, Francisco, Arenys de Mar. Soup pastes.
88. Foronda y Mandillo, Pedro de, Santa Cruz de Teneriffe. Coffee.
239. Valle, Ballina y Fernandez, Villaviciosa. Champagne cider.
247. Matossi, Fanconi y Compania, Santander. Export beer.
264. Benjumea, Fernando y Jose Maria, Puebla de Cazalla. Olive oil.

**SWEDEN.**

Location—Sec. A, N. E. Quarter.

8. Ohlsson, Carl & Hansson, Gothenburg.
  - a Herring, anchovy, fish-balls.
  - b Pudding.
10. Aktiebolaget Radiator, Stockholm. Cream and butter extractor. 34-D-B
15. Wedholm, C. A., Nyköping. Milk cans, cheese-frames, milk-strainers.
18. Cederlunds, J. Soner, Stockholm. Punch.
 

The renowned genuine "Caloric Punch." Luyties Brothers, New York, sole agents.

**SWITZERLAND.**

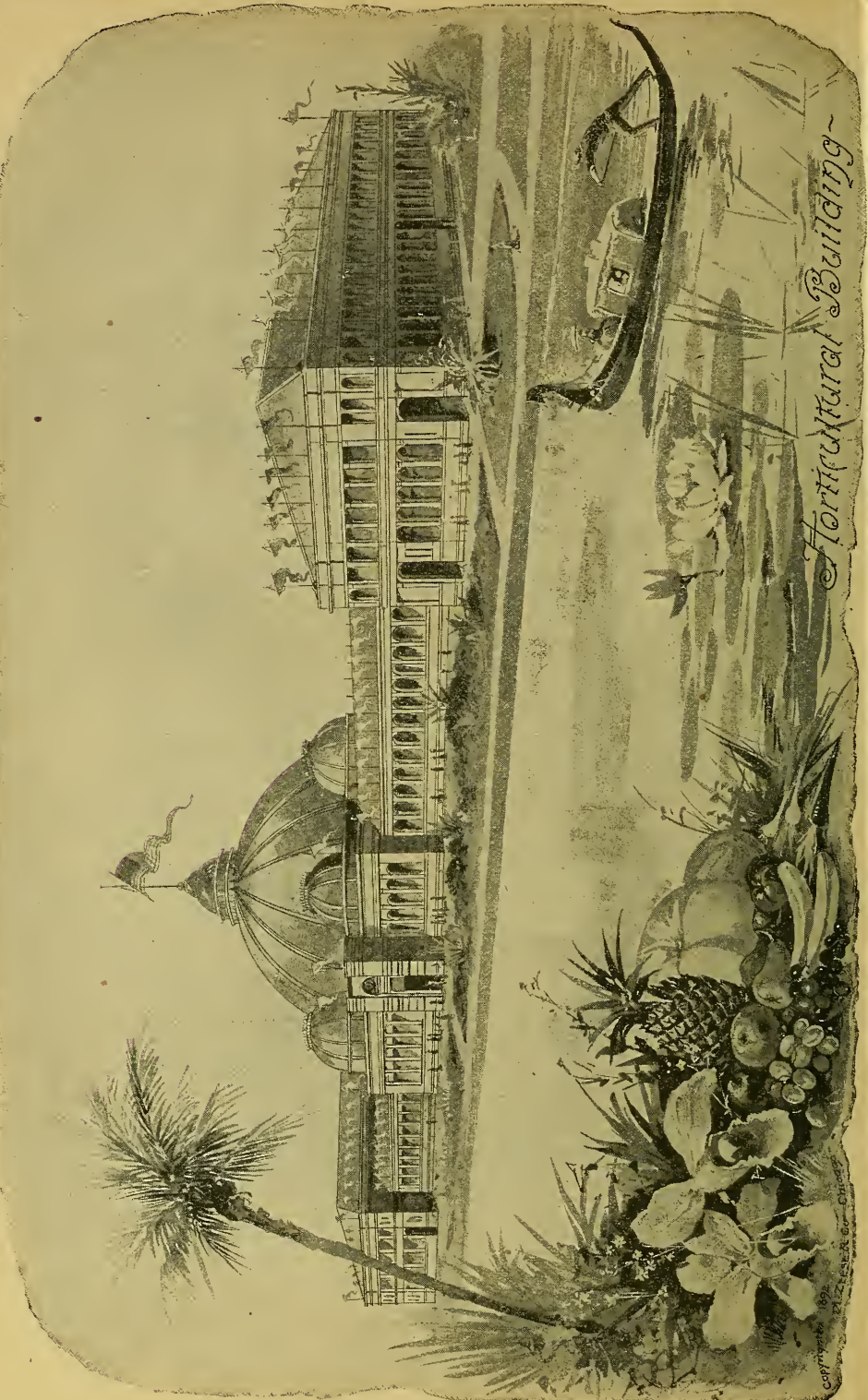
Location—Sec. C, S. E. Quarter.

1. Société de la Farine Lactée, Vevey.
  - a Milk.
  - b Butter.
  - c Cheese.
3. Russ-Suchard & Co., Neuchatel-Serrières. Chocolate.
5. Pernod, Edouard, Couvet. Absinthe. "Swiss Absinthe," "Kirschwasser" and "Gentiane." Largest and oldest distillery of Absinthe in Switzerland. Product exported to all parts of the world. Luyties Brothers, New York, sole agents.

**TRINIDAD.**

Location—Sec. B, N. W. Quarter.

5. Gregorio Bros. Honey and bees wax.
10. Burnley W. F., & Co. Coffee.
14. Gannes, Y. G. de. Cocoa.
21. Colonial Co. Limited. White rum.



*Horticultural Building*

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W. H. & Co. Chicago

# HORTICULTURE BUILDING.

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## HOW TO FIND EXHIBITS.

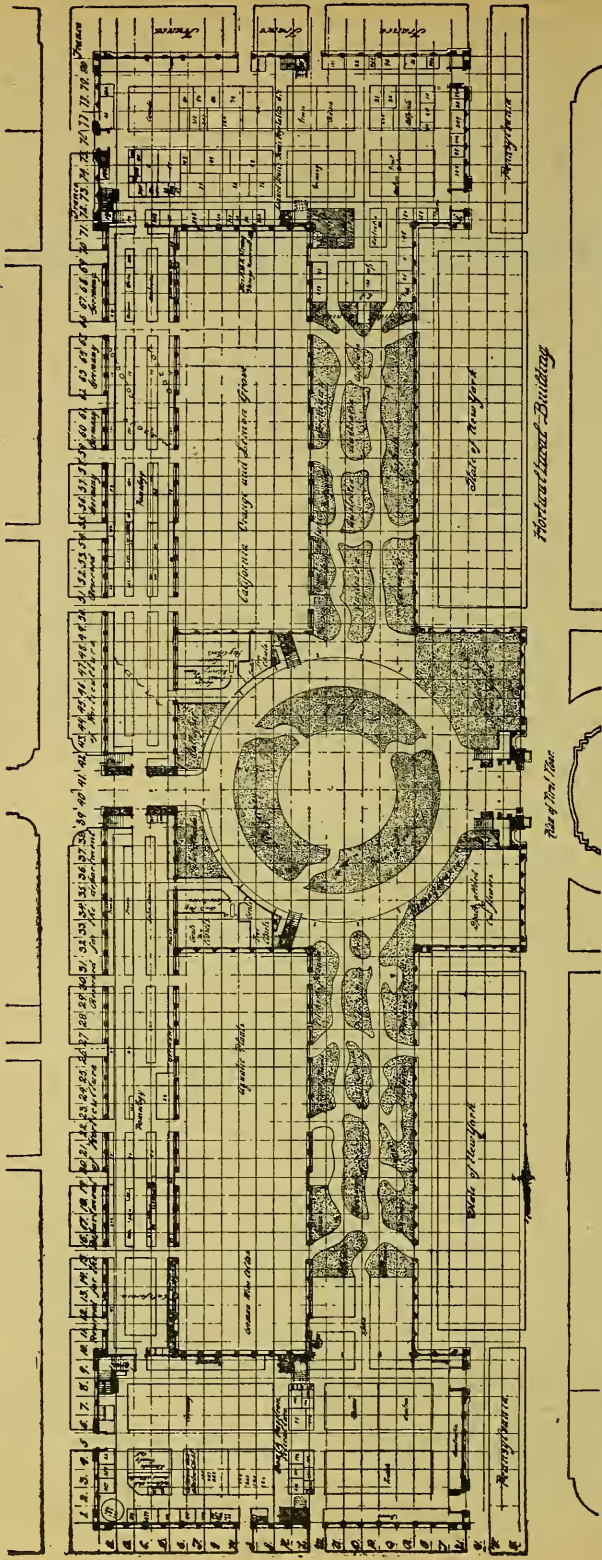
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As shown by the floor plans of the Horticulture Building, the entire ground floor proper is laid off into sections extending from east to west, and indicated by a number plainly marked at regular intervals on the walls. The floor spaces are crossed 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.

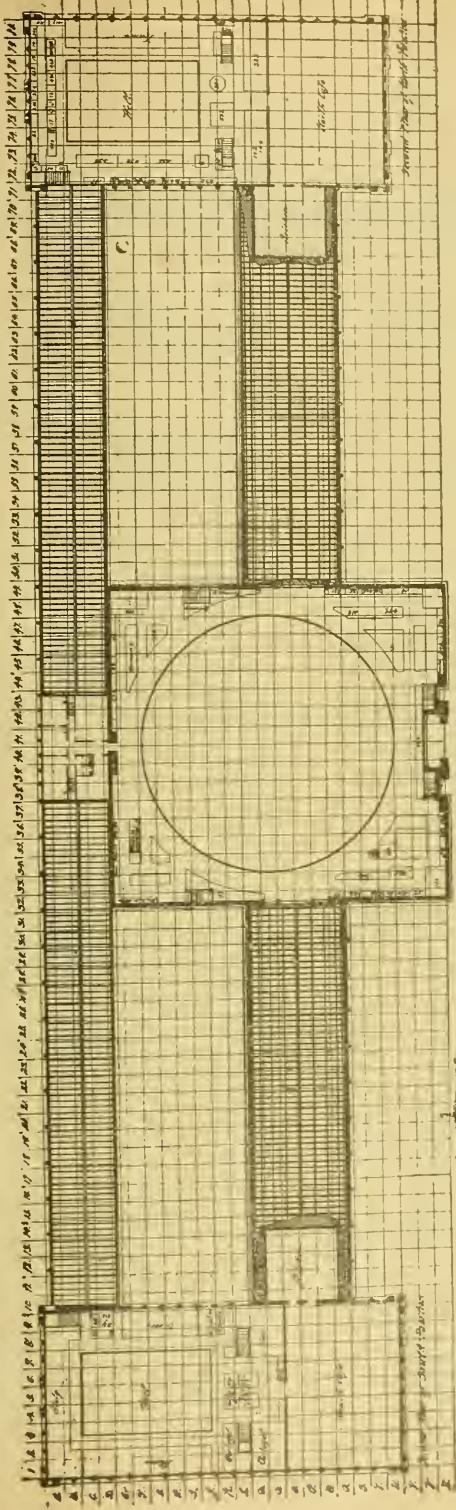
Several of the states have exhibits in this building and they are given herewith, with their location. California S. W. curtain A to E, 31-35 and N. pavilion R-78. Colorado N. W. curtain A-B, 62-65 and N. pavilion S-75, also in Nursery grounds. Idaho N. W. curtain A-B, 51-55 and N. pavilion R-71. Illinois S. W. curtain A-B, 23 to 30. Iowa S. W. curtain D-26 to 30. Kentucky N. W. curtain C-57 and Nursery grounds. Minnesota S. W. curtain. Missouri N. W. curtain A to E, 59 to 62. New Mexico N. W. curtain D-51 to 53. New York, green fruits, etc. are in S. pavilion, dried fruits, preserves, etc. in S. W. curtain, and plants, etc. mainly in Dome. North Carolina has its wine exhibit in the S. pavilion and preserved fruits, etc. in A-56-52. Oregon all exhibits in D-E-62 to 65. The foreign countries making exhibits in Horticulture Building are as follows:—Argentine Republic in Gallery J-9. Canada, green fruit and wines in the S. pavilion; preserved fruits, etc. in the N. W. curtain. Chili, wines, etc. in J-9. France, entire exhibit in D-80, Q-3 and Gallery G-1. Germany has the following locations: M-74, E-28, G-7, Gallery F-46, 1-48 and the German wine cellar in south court. Great Britain in R-75 and E-68. Greece, Gallery 6-9 and M-77. Italy A-1 to 20. Jamaica in N. pavilion. Japan in S. pavilion, gallery of dome and N. E. curtain. Mexico in N. and S. pavilions. Netherlands, plants, bulbs, etc. on Wooded Island. New South Wales in V-5, B-37 and P-71. Peru in S. pavilion. Portugal in S. pavilion and gallery L-2. Russia in S. pavilion. Spain in S. pavilion. Switzerland on lawn and Trinidad in E. curtain.



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# INTERESTING EXHIBITS.

IN

## Department B.--Horticulture.

### UNITED STATES.

Viticulture, Manufactured Products.  
Methods and Appliances.

Exhibit No.	Location.
2.	American Wine Co., St. Louis. L-6
	<i>a</i> White wines, dry.
	<i>b</i> Red wines, dry.
	<i>c</i> Sparkling wines.
14.	California State Viticultural Commission. C-2
	<i>a</i> Photographs of grapes and vineyards.
	<i>b</i> Methods of pruning and training vines.
	<i>c</i> Maps, literature and statistics of viticulture.
15.	Carpy, C., & Co., San Francisco. I-4
	<i>a</i> White wines, dry.
	<i>b</i> Red wines, dry.
	<i>c</i> Sweet wines.
	<i>d</i> Brandy.
53.	Italian Swiss Agr. Colony, San Francisco. A-1
	<i>a</i> Vineyards.
	<i>b</i> Grapes, wine.
	<i>c</i> White wines, dry.
	<i>d</i> Red wines, dry.
	<i>e</i> Sparkling wines.
	<i>f</i> Brandy.
59.	Korbel Bros., San Francisco. A-1
	<i>a</i> Living examples.
	<i>b</i> White wines, dry.
	<i>c</i> Red wines, dry.
	<i>d</i> Sweet wines.
	<i>e</i> Cooperage tank.
	<i>f</i> Brandy.
60.	Lake Erie Fruit & Wine Growers' Ass'n, Sandusky, Ohio. J-1
	<i>a</i> Grapes, table.
	<i>b</i> Grapes, wine.
	<i>c</i> White wine, dry.
	<i>d</i> Red wine, dry.
	<i>e</i> Sweet wine.
	<i>f</i> Sparkling wines.
	<i>g</i> Brandy.

Exhibit No.	Location
75.	Napa Valley Wine Co., Napa, Cal. J-4
	<i>a</i> White wines, dry.
	<i>b</i> Red wines, dry.
	<i>c</i> Sweet wines.
	<i>d</i> Brandy.
87.	Pleasant Valley Wine Co., Rheims, N. Y. L-4
	<i>a</i> Grapes, wine.
	<i>b</i> White wines, dry.
	<i>c</i> Red wines, dry.
	<i>d</i> Sweet wines.
	<i>e</i> Sparkling wines.
	<i>f</i> Brandy.
99.	Stanford, Leland, Tina, Cal. G-4
	<i>a</i> White wines, dry.
	<i>b</i> Red wines, dry.
	<i>c</i> Sweet wines.
	<i>d</i> Brandy.
<p>Pomology, Manufactured Products. Methods of Appliances.</p>	
119b.	American Manufacturing & Patent Co., Chicago. Preserved fruits. S-74
121.	Arkansas State of. Pomaceous and stoned fruits. D-57
125.	Bishop & Co., Los Angeles, Cal. T-80
	<i>a</i> Bottled fruits.
	<i>b</i> Crystallized fruits.
131.	California, State of. B-12
	<i>a</i> Pomaceous and stone fruits.
	<i>b</i> Citrus fruits.
	<i>c</i> Nuts.
	<i>d</i> Dried and evaporated fruits.
	<i>e</i> Fruit in glass. B-12
	<i>f</i> Canned fruits. R-78
	<i>g</i> Jellies, jams, marmalades. R-78
139.	Colorado, State of. B-63
	<i>a</i> Fruits.
	<i>b</i> Canned fruits.* Gal. K-80
142a.	Curtice Bros., Co., Rochester, N. Y. S-73
	<i>a</i> Canned and preserved fruits.
	<i>b</i> Jellies, jams, marmalades, etc.
	<i>c</i> Vinegar.

INTERESTING EXHIBITS IN DEPARTMENT B.—HORTICULTURE.

Exhibit No.	Location.	Exhibit No.	Location.
147.	Ellwanger & Barry, Rochester, N. Y. Fruits. B-18	221.	New Mexico, Territory of. a Pomaceous fruits. B-52 b Canned fruits. S-72
153.	Flickinger Co., The J. H., San Jose, Cal. a Dried fruits. Gal. G-72 b Fruits in glass and cans. c Apples, peaches, etc.	222.	New York, State of. a Pomaceous fruits. B-17 b Small fruits. c Canned fruits. Gal. H&L-73-76
163.	Gordon & Dilworth, New York. a Preserved fruits. Gal. L-75 b Jellies, jams and marmalades. c Brandied fruits. d Canned vegetables. e Fruit juices and syrups.	228.	Oregon State Board of Horticulture. a Pomaceous and stone fruits. C-63 b Fruits in glass.
177.	Hydraulic Press Manufacturing Co., Mt. Gilead, Ohio. Cider presses and apple graters. O-70 Presses can be seen in operation daily.	242.	Ritter, Philip J., Conserve Co., Philadelphia. a Fruits in glass. H-78 b Jellies, jams and marmalades. c Glaced fruits.
178.	Idaho, State of. a Pomaceous fruits. A-53 b Canned fruits. Gal. L-80 c Dried fruits. R-71	245a.	San Jose Fruit Packing Co., San Jose, Cal. a Dried fruits. Gal. D-73 b Canned and preserved fruits. c Jellies and jams.
179.	Illinois Horticultural Society. a Apples, pears, peaches and cherries. A-25 b Berries.	254.	South Dakota, State of. Fruits. B-62
181.	Iowa, State of. Pomaceous fruits. C-28	262.	Statzman, D., Ligonier, Ind. a Evaporated fruits. R-68 b Evaporator.
185.	Joplin, Mrs. J. C., Tustin, Cal. Fruits in glass. Gal. B-80	269.	Washington, State of. a Pomaceous and stone fruits. B-57 b Fruits in glass. c Jellies.
187.	Kansas, State of. a Fruits. E-57 b Jellies. S-75	Floriculture.	
189.	Kentucky, State of. Fruits. C-57	280.	Allegheny City Park, Allegheny, Pa. Palms, etc. Dome
198.	Lusk, A. & Co., San Francisco. a Dried fruits. Gal. N-74 b Canned fruits, fruits in glass.	289a.	Blanc, A., Philadelphia. Cacti. Dome
200.	Maine, State of. Fruits. E-33	296.	Ghilds, G. W., Bryn Mawr, Pa. a Palms and plants. Dome b Ornamental leaf plants.
209.	Michigan State Horticultural Society. a Fruits. B-20 b Canned fruits. Gal. J-72	307.	Dreer, Henry A., Philadelphia. Bedding plants, palms, ferns. Lawn
210.	Minnesota, State of. a Pomaceous and stone fruits. E-24 b Small fruits. c Fruits in glass.	311a.	Executive Mansion, Washington, D. C. a Palms. Dome b Ficus.
211.	Missouri, State of. a Pomaceous fruits. C-60 b Berries. c Canned fruits. B-76	319a.	Gould, Jay, Irvington, N. Y. a Palms. Dome b Foliage plants.
212.	Montana, State of. Fruits. C-52	321.	Hill & Co., E. G., Richmond, Ind. a Roses. Island b Begonias. South Curtain
219.	Nebraska State Horticultural Society. a Pomaceous and stone fruits. B-70 b Berries. c Casts and models of fruits.	327.	Jansen, E., New York. Florists' supplies, baskets, etc. Dome
220.	New Jersey State Board of Agriculture. a Fruits. A-17 b Berries. c Fruits in glass,	341.	Missouri, State of. a Flowers. East Curtain b Plants. Lawn c Herbaria. Gal. H-47

INTERESTING EXHIBITS IN DEPARTMENT B.—HORTICULTURE.

Exhibit No.	Location.
347. New York, State of.	
<i>a</i> Herbaria.	Gal. W-40
<i>b</i> Plants.	Island and Lawn
<i>c</i> Flowers.	East Curtain
<i>d</i> Martha Washington garden.	West Lawn
348. Nichols, Anna B., Laredo, Texas.	
<i>a</i> Palms.	Dome
<i>b</i> Cactaceæ.	Yuccas and Agaves
358. Pennsylvania, State of.	
<i>a</i> Flowers.	East Curtain
<i>b</i> Plants.	Lawn
358b. Pierson, F. R., & Co., Tarrytown, N. Y.	
<i>a</i> Cannas.	East Lawn
359. Pitcher & Manda, Short Hills, N. J.	
<i>a</i> Orchids.	Dome
<i>b</i> Plants.	East Curtain and Island
366e. Small, H. H. & Sons, New York.	
Design of National Capitol in Cape flowers.	Dome
370a. Sturtevant, E. D., Bordentown, N. J.	
Aquatic plants.	South court
372. Ticker, Wm., Dongan Hills, N. Y.	
Aquatics.	Fountain on front lawn
373. Vaughan, J. C., Chicago.	
<i>a</i> Plants.	Lawn
<i>b</i> Receptacles for plants, etc.	

Culinary Vegetables.

393b. Heinz, H. J. & Co., Pittsburg, Pa.  
Pickles. U-76

Seeds, Seed Raising, Testing and Distribution.

421. Buckbee, H. W., Rockford, Ill.	
Garden and field seeds.	F-72
423. Dreer, Henry A., Philadelphia.	
General seed exhibit.	G-75
425. Henderson, Peter, & Co., New York.	
Seeds.	J-78
428. Pitcher & Manda, Short Hill, N. J.	
Seeds.	A-77
431. Vaughan, J. C., Chicago.	
Seeds.	J-75

Appliances, Methods, Etc.

460. Abendorth Bros., Port Chester, N. Y.	
Vases and fountains.	Q-73
465. Caldwell Lawn Mower Co., Newburg, N. Y.	
Lawn mowers.	H-77
468. Cross & Rowe, Bedford, Ind.	
Stone vases and ornaments.	C-74
474. Glennon & Krause, Chicago.	
mower and grass carrier.	D-73
475. Graham & Passmore, Philadelphia.	
Lawn mowers.	H-73

Exhibit No.	Location
479. Hitchings & Co., New York.	
<i>a</i> Greenhouse and palm house and section of iron greenhouse.	Lawn
<i>b</i> Heating apparatus and boiler.	Gal. W-35
480. Johnson, John C., Atlantic City, N. J.	
Grotto with aerated water fountain.	M-68 Gal. F-49
480b. Keith & Allabough, Deadwood, So. Dak.	
Cave grotto.	Under mountain in dome.
482. Lord & Burnham Co., Irvington, N. Y.	
Greenhouse.	Lawn
483a. Mammoth Cave Co., Deadwood, So. Dak.	
Grotto.	Under dome
491. Rendle, A., Edgcombe, Philadelphia.	
<i>a</i> Conservatory.	Greenhouse construction.
<i>b</i> Heating apparatus.	Lawn
496a. Spriesterbach & Leissier, Pittsburg, Pa.	
Model of music pavilion.	Gal. G-33

CALIFORNIA.

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

27. Boehm, D. J., Los Angeles.	
Fruits in glass.	
67. Flickinger Co., The J. H., San Jose.	
<i>a</i> Dried apricots, prunes and peaches.	
<i>b</i> Preserved cherries, peaches, plums and prunes.	
123b. Los Angeles County.	
Citrus fruits.	
Tower composed of 13,873 oranges.	
179b. San Bernardino County.	
Citrus fruits.	
179c. San Diego County.	
<i>a</i> Citrus fruits.	
<i>b</i> 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.	
<i>a</i> Large fruits.	
<i>b</i> Small fruits.	
<i>c</i> Literature.	
270a. Ontario, Province of.	
Fresh fruits.	
301. Provincial Government of British Columbia, Victoria.	
Fruits.	
302. Provincial Government of Northwest Territories, Regina.	
Fruits.	
303. Provincial Government of Ontario.	
Toronto. Fruits.	

INTERESTING EXHIBITS IN DEPARTMENT B. HORTICULTURE.

Exhibit  
No.

304. Provincial Government of Prince Edward Island, Charlottetown. Fruits.  
305. Provincial Government of Quebec, Quebec. Fruits.  
(Exhibits in this group are located in C-78.)  
422. Central Experimental Farm, Ottawa. Vegetables.  
434. Provincial Government of Ontario, Toronto. Vegetables.

**FRANCE.**

Location—D-80, Q-3 and Gal. G-1.

85. Laurent, Marcel-A., Paris. Wines.  
102a. Mumm, G. H. & Co., Rheims. Champagne.

**GERMANY.**

Location—M-74. E-28, G-7, Gal. F-46, I-48 and German Wine Cellar in South Court.

104. Henkell & Co., Mainz-on-the-Rhine.  
*a* Wine.  
*b* Sparkling wine.  
113. Hommel, Carl, Rappoltsweiler-Alsace.  
*a* Wine.  
*b* Sparkling wine.  
184. Mumm, P. A., Frankfort-on-the-Main.  
*a* Rhine wines.  
*b* Moselle wines.  
230. Schurz, J. N. & Co., Coblenz-on-the-Rhine. Wine.  
236. Sichel's, H., Sons, Mainz-on-the-Rhine. Wine.  
289. Laaff, Wilhelm, Mainz-on-the-Rhine.  
*a* Preserved fruits.  
*b* Fruit syrups.  
292. Naegeli, W. Dr., Mombach, Mainz-on-the-Rhine. Preserves.  
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.)

5. Cannell, H. & Sons, Swanley.  
*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.

9. Damigo, William, Athens. Wines.

Exhibit  
No.

33. Solon & Son, Athens.  
*a* Wines.  
*b* Cognac, chartreuse, etc.

**ITALY.**

Location—A-1 to 20.

23. Florio, I. V., Palermo. Wines.  
60. Spano, Nicolo, & Co., Marshal. Wines.

**JAPAN.**

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

11. Shibato Tomiyama, Hyogo.  
*a* Orchids.  
*b* Chrysanthemums.  
*c* Liliiums.  
*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.**

62. Endweiss, A. M., Montgomery (Nuevo Leon). Model of Horticulture Building in filigree silver, and sundry filigree articles.

**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.

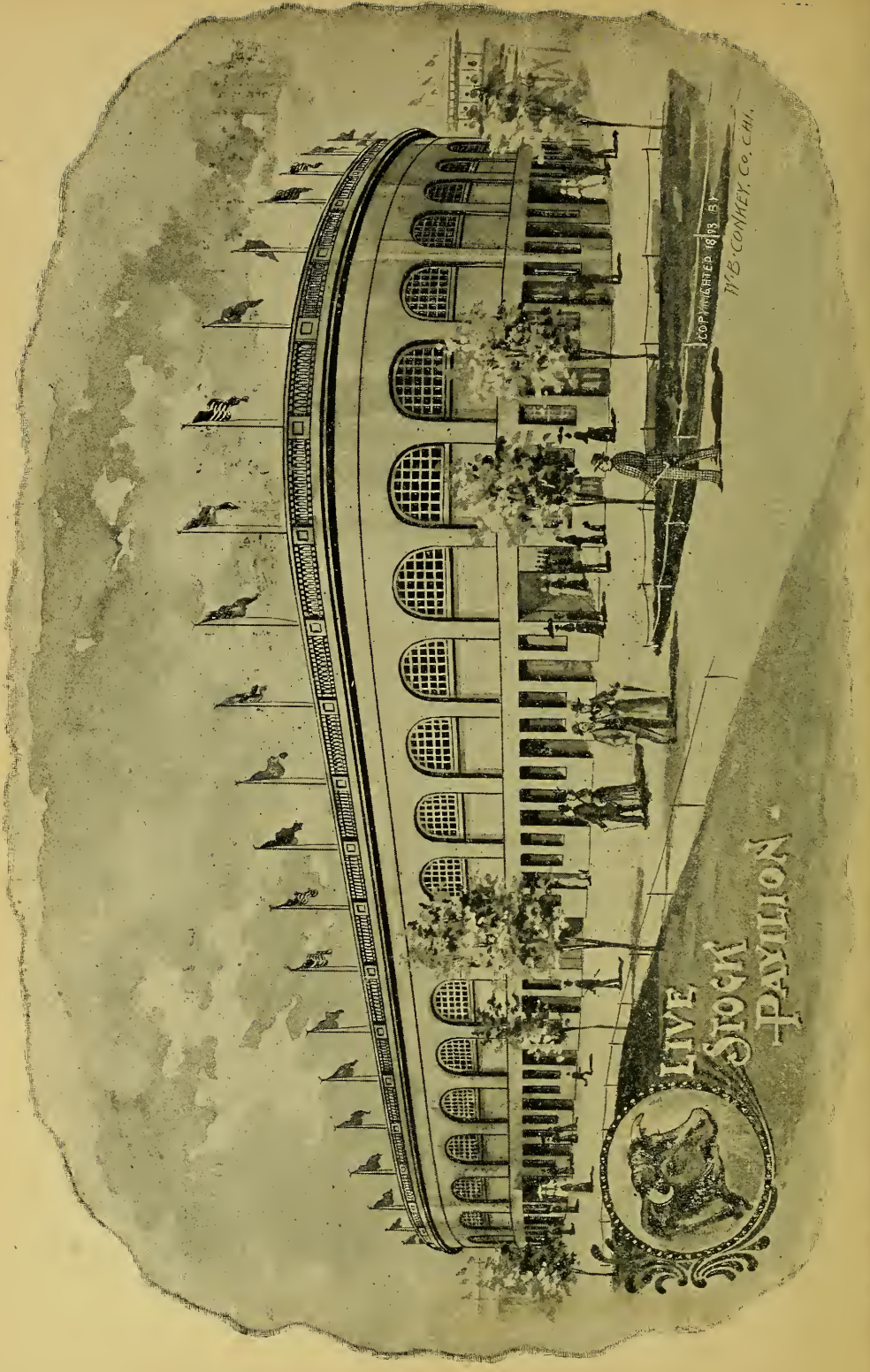
**PORTUGAL.**

Location—S. Pavilion and Gal. 1-2.

14. Companhia Vinicola do Norte de Portugal, Porto.  
*a* White wines.  
*b* Red wines.  
*c* Ports.  
*d* Dry wines.  
39. Visconke de Villarinho de S. Rorna, Porto.  
*a* White wines.  
*b* Red wines.  
*c* Ports.

**SWITZERLAND.**

1. Falconnier, L., Nyon. Greenhouse. Lawn.



LIVE STOCK PAVILION

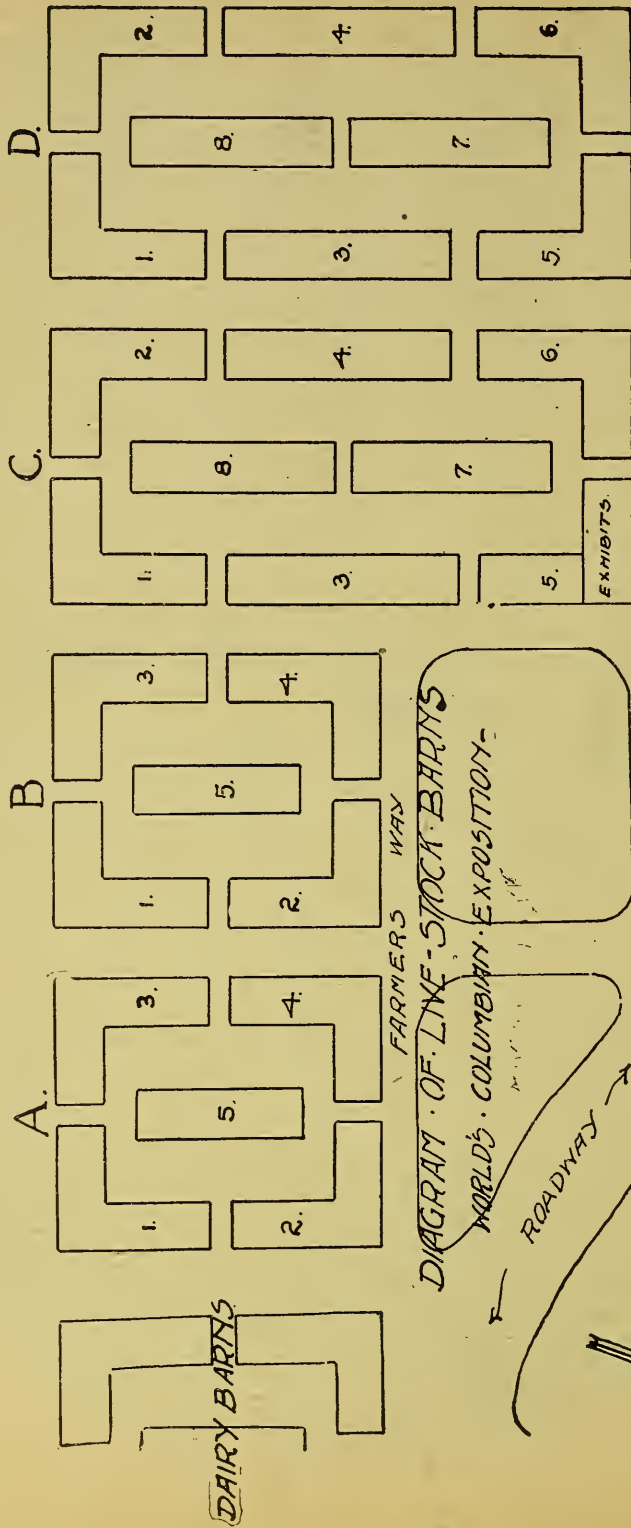


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## **LIVE STOCK PAVILION AND DAIRY BARN.**

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.

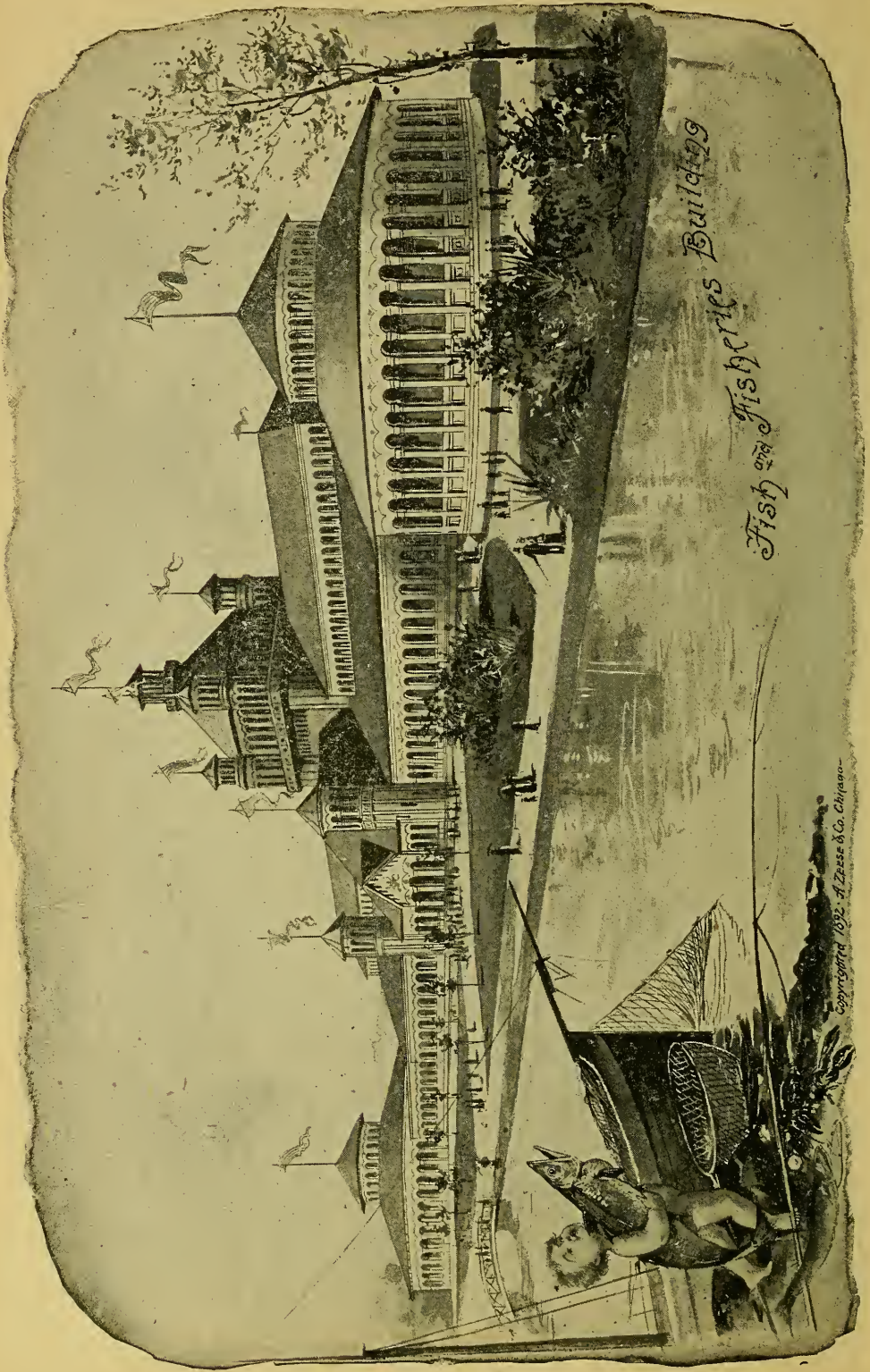


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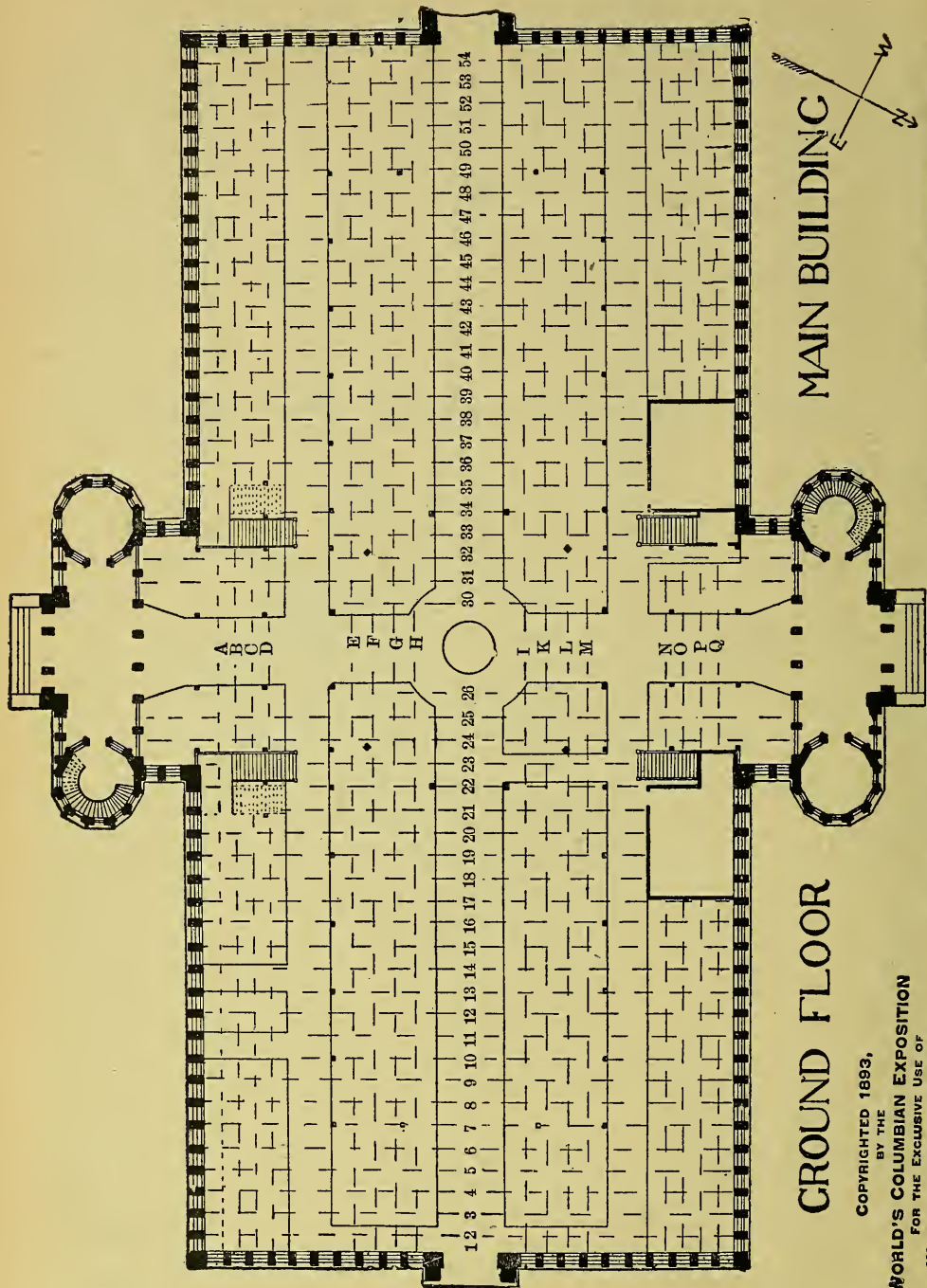
Fisheries Building

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# 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.



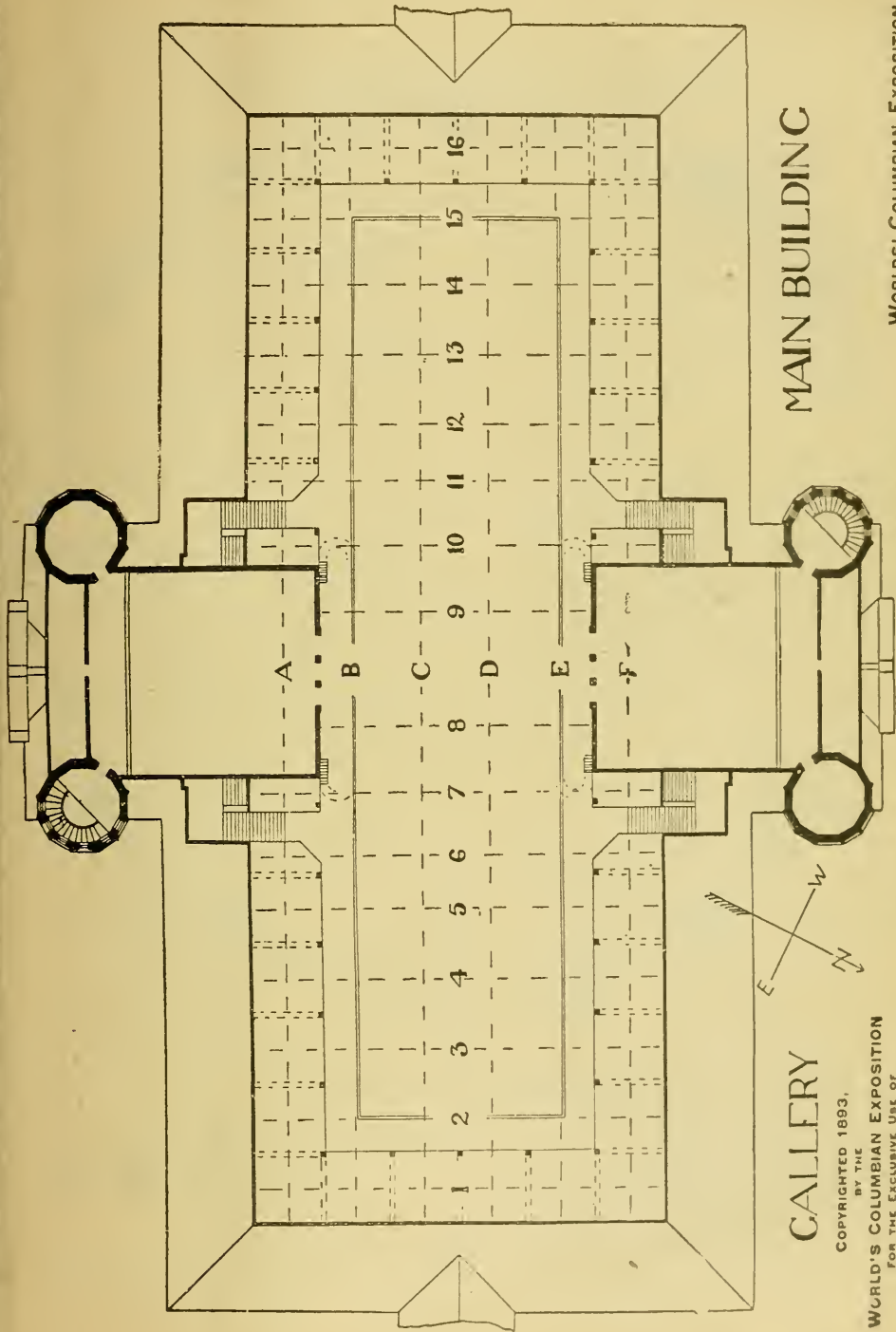
MAIN BUILDING

GROUND FLOOR

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Fish and Fisheries Building

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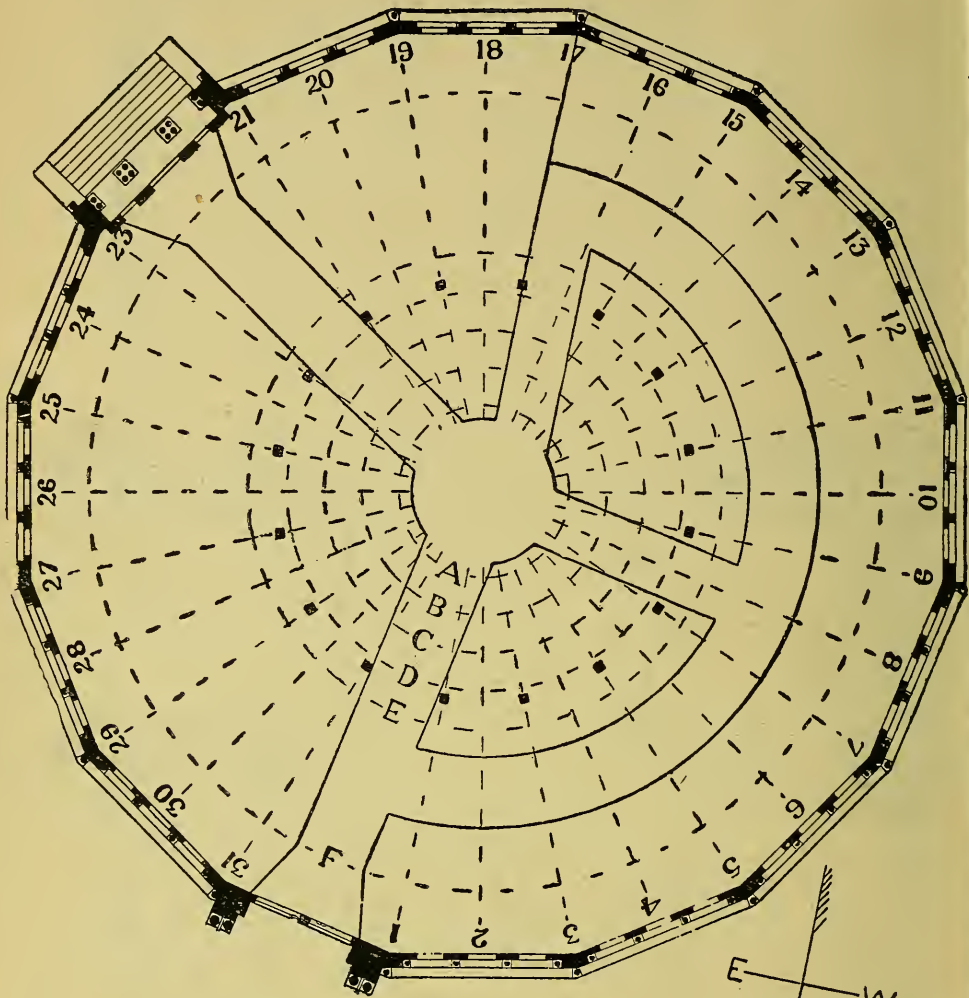
MAIN BUILDING

Fish and Fisheries Building

GALLERY

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# ANGLING PAVILION

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FISH AND FISHERIES BUILDING,  
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# INTERESTING EXHIBITS

IN

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

### UNITED STATES.

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

- | Exhibit No. | Location.   |
|-------------|---|
| 2b.         | Booth, A., Packing Co., Chicago. P-25   |
|             | <i>a</i> Sponges, corals.   |
|             | <i>b</i> Oysters, pectens.  |
|             | <i>c</i> Crustacea.   |
|             | <i>d</i> Fishes, mounted.   |
|             | <i>e</i> Young seal.  |
| 2d.         | California State.   |
|             | <i>a</i> Casts of California fishes. Main 1-26  |
|             | <i>b</i> Casts of sea crawfish. Main 1-26   |
| 2e.         | Capehart, W. R., Avoca, N. C., Mounted fishes. Main K-6                               |
| 4b.         | Main State. Casts of Fishes. Main 1-26  |
| 8.          | Minnesota State.  |
|             | <i>a</i> Maps showing distribution of species of fishes. O-2                          |
|             | <i>b</i> Specimens of Minnesota fishes.   |
|             | <i>c</i> Aquatic birds destructive to fishes.   |
| 13.         | Pennsylvania State. Aquarial exhibit of fishes; colored sketches of fishes. Pav. E-29 |
| 14.         | San Diego High School, San Diego, Cal. F-3  |
|             | <i>a</i> Sea-weed (Algæ).   |
|             | <i>b</i> Shells (Mollusks).   |
|             | <i>c</i> Star fishes, sea urchins, etc.   |
|             | <i>d</i> Crustaceans.   |
|             | <i>e</i> Mounted and dried fishes.  |
|             | <i>f</i> Turtles.   |
|             | <i>g</i> Aquatic birds.   |
| 16.         | Washington State. Main K-10   |
|             | <i>a</i> Maps and charts.   |
|             | <i>b</i> Clams and oysters.   |
|             | <i>c</i> Star-fishes.   |
|             | <i>d</i> Crabs.   |
|             | <i>e</i> Fishes; fresh, mounted, cast and alcoholic specimens.                        |
|             | <i>f</i> Skeleton of humpback whale 47½ feet long.                                    |
|             | <i>g</i> Sea lion.  |
|             | <i>h</i> Aquatic birds.   |
| 17.         | Wisconsin State. Pav. E-25  |
|             | <i>a</i> Aquatic plants (Algæ).   |
|             | <i>b</i> Shrimps, etc. (Crustacea).   |
|             | <i>c</i> Aquarial exhibit of fishes.  |
|             | Sea Fishing and Angling.  |
| 18.         | American Net & Twine Co., Boston. B-20  |
|             | <i>a</i> Nets, seines, and material. Gal. A-5   |
|             | <i>b</i> Fish traps, pounds, etc.   |

- | Exhibit No. | Location.   |
|-------------|---|
| 23.         | Gloucester Board of Trade, Gloucester, Mass.  |
|             | <i>a</i> Reports, statistics and literature showing progress of the Gloucester fisheries. Main F-23     |
|             | <i>b</i> Fishing gear.  |
|             | <i>c</i> Fish hooks, jigs and drails.   |
|             | <i>d</i> Nets, seines.  |
|             | <i>e</i> Fish traps.  |
|             | <i>f</i> Fishing stations and outfits.  |
|             | <i>g</i> Fish knives, gaffs, etc.   |
|             | <i>h</i> Illustrations of special fisheries.  |
|             | <i>i</i> Fishing boats and vessels.   |
| 23a.        | Kane, Thomas & Co., Chicago. Fishing boats and canoes. Pav. F-15 Gal. F-3                               |
| 28.         | North Carolina State. Main K-6  |
|             | <i>a</i> Photos and maps of coast region.   |
|             | <i>b</i> Models of fishing gear.  |
|             | <i>c</i> Nets and seines.   |
|             | <i>d</i> Mullet fisherman's hut.  |
|             | <i>e</i> Gaffs, spears, etc.  |
| 28a.        | Oregon State. Main K-16, Gal. D-1   |
|             | <i>a</i> Models of Salmon wheels.   |
|             | <i>b</i> Fishing boat and outfit.   |
| 29b.        | St. Lawrence River Skiff, Canoe & Steam Launch Co., Clayton, N. Y. Fishing boats, canoes, etc. Pav. F-9 |
| 30.         | Washington State.   |
|             | <i>a</i> Photographs, reports and statistics of fisheries. K-10   |
|             | <i>b</i> Siwash fishing gear; native implements.  |
|             | <i>c</i> Nets and seines.   |
|             | <i>d</i> Models of fishing boats and vessels.   |
|             | <i>e</i> Dugout fishing canoes.   |
|             | <i>f</i> Photos of fishing vessels and boats.   |

#### Fresh Water Fishing and Angling

- |     |  |
|-----|--|
| 41. | Horton Manufacturing Co., Bristol, Conn. Fishing rods and floats. Pav. E-11                |
| 45. | Osgood Portable Boat Co., Battle Creek, Mich. Folding fishing boats and fittings. Pav. F-4 |
| 47. | Shipley, A. B., & Son, Philadelphia. Rods, reels, flies and tackle. Pav. E-4               |
| 49. | Spalding, A. G., & Bros., New York. Fishing rods. Pav. C-9                                 |
| 52. | Waltonian Manufacturing Co., Chicago. Artificial flies. Pav. C-2                           |

## INTERESTING EXHIBITS IN DEPARTMENT D.—FISH, FISHERIES.

- | Exhibit No.   | Location. |
|---|-----------|
| 54. Yawman & Erbe, Rochester, N. Y.<br>Fishing reels. | Pav. E-18 |

### Products of the Fisheries and their Manipulation.

- |  |                   |
|--|-------------------|
| 55. Ams, Max, New York.  | Main K-20         |
| <i>a</i> Smoked and canned fish.   |                   |
| <i>b</i> Caviar; sturgeon oil.   |                   |
| <i>c</i> Sturgeon scrap.   |                   |
| 60. Gloucester Board of Trade, Gloucester, Mass.                             | F-23              |
| <i>a</i> Models and methods of handling and curing fish.                     |                   |
| <i>b</i> Cured and preserved fish.   |                   |
| <i>c</i> Products of fisheries.  |                   |
| <i>d</i> Appliances for preparing fish products.                             |                   |
| <i>e</i> Models of fish markets, wharves, appliances for handling fish, etc. |                   |
| 63b. Major, A., New York City.   | Fish cement. M-22 |
| 71. Russia Cement Co., Gloucester, Mass.                                     | Main F-13         |
| <i>a</i> Fish glue, sizings, mucilage, etc.                                  |                   |
| <i>b</i> Fish fertilizers.   |                   |
| <i>c</i> Fish glue articles.   |                   |
| 72. Stanley, Mrs. A. C., Ashton, R. I.                                       | Pav. F-16         |
| Pictures of shell work.  |                   |

### BRAZIL.

Location—Pavilion B-F-19.

- |                              |
|------------------------------|
| 9. Para Committee.           |
| <i>a</i> Fish, mounted.      |
| <i>b</i> Crocodile, mounted. |

### CANADA.

Location—B-F-36; Gal. A-12.

- |   |
|---|
| 1. Canadian Government (Dept. of Marine and Fisheries), Ottawa.           |
| <i>a</i> Atlantic and Pacific sponges, corals, jelly-fish.                |
| <i>b</i> Atlantic and Pacific oysters, clams.                             |
| <i>c</i> Star fish.   |
| <i>d</i> Crustacea.   |
| <i>e</i> 200 cases mounted fishes, fishes in alcohol, pictures of fishes. |
| <i>f</i> Lizards and frogs in alcohol.                                    |
| <i>g</i> 76 species aquatic birds.  |
| <i>h</i> White whale, seals, otters, beavers, minks, weasels, muskrats.   |
| 3. Canadian Government (Dept. of Marine and Fisheries), Ottawa.           |
| <i>a</i> Pictures of fishing fleet, cruisers, fishing grounds, etc.       |
| <i>b</i> Fishing gear used by Canadians, Indians, etc.                    |

- | Exhibit No.  |   |
|--|---|
| <i>c</i>   | Fish hooks, jigs, drails, etc.                        |
| <i>d</i>   | Fishing nets, seines, rakes, etc.                     |
| <i>e</i>   | Fish traps, weirs, pounds, etc.                       |
| <i>f</i>   | Fishing stations—models.                              |
| <i>g</i>   | Knives, gaffs, spears, etc.                           |
| <i>h</i>   | Fishing boats and vessels.                            |
| 10. Canadian Government (Dept. of Marine and Fisheries), Ottawa. |   |
| <i>a</i>   | Models of fish curing and canning establishments.     |
| <i>b</i>   | Fish oils, sturgeon and cod sounds, cod tongues, etc. |
| <i>c</i>   | Fish guano, oyster and clam shell fertilizers.        |
| <i>d</i>   | Pearl shells.   |

### GERMANY.

Location—Main B-52; Gal. A-15

- |   |
|---|
| 5. Royal Agricultural High School, Berlin.                      |
| <i>a</i> Nets and seines.                                       |
| <i>b</i> Fish traps and weirs.                                  |
| <i>c</i> Models of fishermen's houses.                          |
| <i>d</i> 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.          |
| <i>a</i> Model of school.                                    |
| <i>b</i> Fishing smack model.                                |
| 10. Anderson, Anderson & Anderson, London. Anglers' apparel. |
| 10a. Bartleet, Wm., & Son, Redditch.                         |
| <i>a</i> Fish hooks.   |
| <i>b</i> Fishing tackle.                                     |

### GREECE.

Location—Gal. B-16.

- |  |
|--|
| 1. Boyatzis, Nicetas, Egina. Sponges.  |
| 2. Tiliacos, Nicolas, Athens. Sponges. |

### JAPAN.

Location—Main O-12.

- |  |
|--|
| 7a. Japanese Imperial Commission.                                  |
| <i>a</i> Maps showing distribution of fishes etc.                  |
| <i>b</i> Oysters, mussels, scallops and other mollusks.            |
| <i>c</i> Lobsters, crabs, prawns, etc.                             |
| <i>d</i> Fishes, mounted, alcoholic specimens, illustrations, etc. |



INTERESTING EXHIBITS IN DEPARTMENT D.—FISH, FISHERIES.

Exhibit  
No.

- e* Turtles and tortoises, mounted.
  - f* Aquatic birds, mounted.
  - g* Aquatic mammals, mounted.
  - h* Charts of fish, oyster and lobster grounds.
- 26a. Japanese Imperial Commission.
- a* Pictures, photos and other illustrations.
  - b* Lines for tai, mackerel, cod, tunny, etc., beam and pole trawls.
  - c* Hooks for mackerel, tunny, cod, bonito, smelt, etc.
  - d* Nets and haul, dip, circle, drift, gill, etc., seines, cast nets.
  - e* Lobster and prawn pots, bamboo weir, etc.
  - f* Knives, sardine press, appliances, etc.
  - g* Fishing boats for tunny, cod, etc.

**MEXICO.**

Location—Main P-31

- 4a. Commission Geographica Exploradora, City of Mexico.
  - a* Mounted turtle.
  - b* Mounted seal ("Sea wolf").
- 6. Jalisco, Political Authority of, Poncitlan. Preserved fish.
- 13. Puebla, Government of the State of, Puebla. Preserved fishes.

**NETHERLANDS.**

Location—Main O-5

- 26. Yzermans & Co., Vlaardingen.
  - a* Gear for herring fishing.
  - b* Vessel, fishermen, etc., illustrating the herring fishery.

**NEW SOUTH WALES.**

Location—Main F-43

- 1. The Government.
  - a* Paintings and drawings of fishes; fishes in alcohol.
  - b* Reptiles and batrachians, in alcohol.
  - c* Aquatic birds, mounted.
  - d* Aquatic mammals, mounted.
  - e* Crustacea.

Exhibit  
No.

- 2. Commissioners for New South Wales, Sydney.
  - a* Collection of fishes.
  - b* Oysters, clams, mollusca of all kinds and shells, mutton-fish shells ("Mytilus"), mussel shells, from casino, Richmond river.
  - c* Collection of oil paintings of new South Wales fishes and crustacea (natural size).
  - d* Collection of reptiles.
  - e* Collection of birds destructive to fish. Seals.

**NORWAY.**

Location—Main K-O-47; Gal. F-14

- 2. Haaland, Lauritz, Stavanger. Paintings of herring and other fisheries.
- 3. Holck, Julius, Bergen. Paintings of whale fishing, etc.
- 5. Bergen Committee, Bergen.
  - a* Maps, drawings and literature illustrating fisheries.
  - b* Fishing gear and lines.
  - c* Nets; seines; models of seines.
  - d* Weirs; lobster pots, eel pots.
  - e* Knives, gaffs; other apparatus.
  - f* Collection of fishing boats; models of vessels.
- 8. Fagerheims Netfabrik, Bergen. Nets; seines; apparatus.
- 10. Henriksen, H., Tönsberg. Guns, harpoons and equipment for whales and porpoises.
- 14. Johnsen, John, Bergen. Fishing boats.

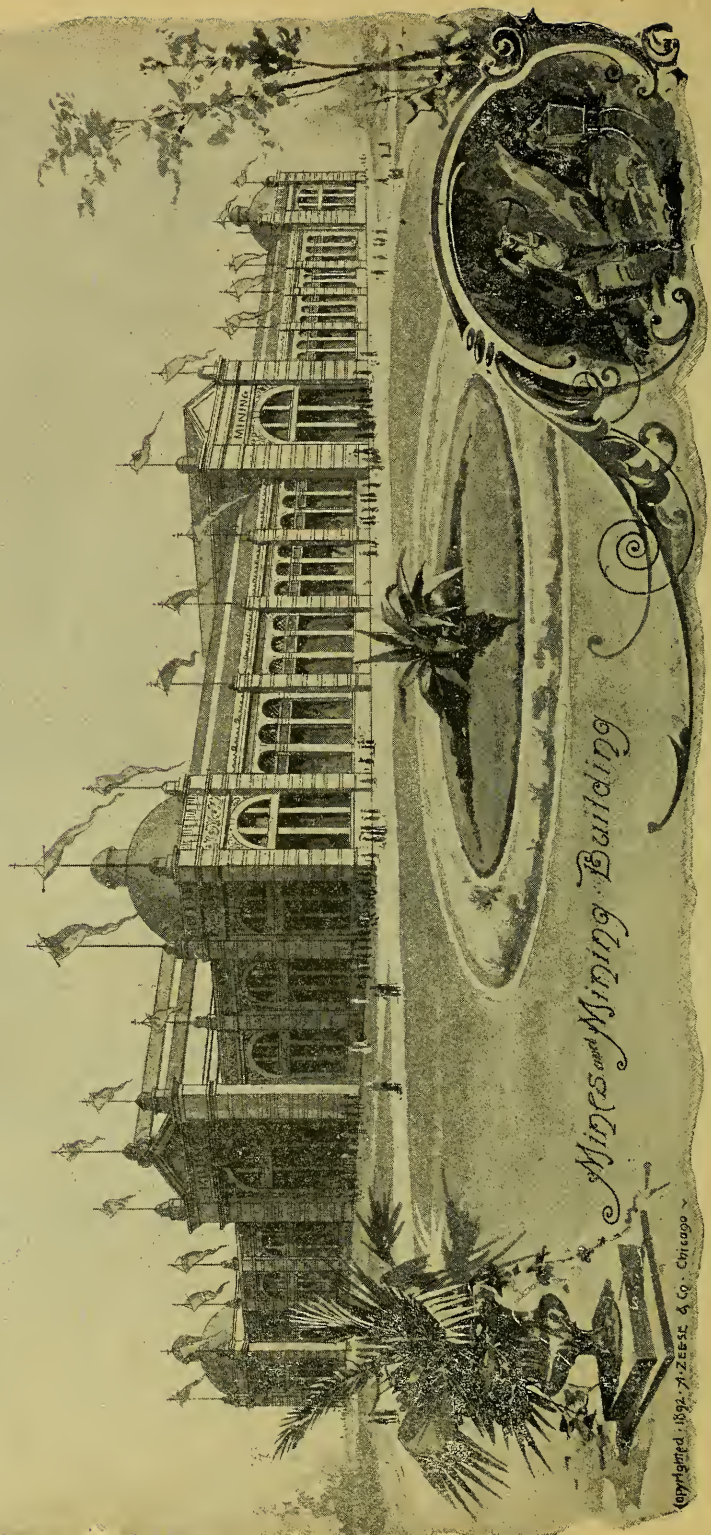
**RUSSIA.**

Location—Main K-34

- 8. Astrakan Fisheries District.
  - a* Isinglass.
  - b* Fish oils.
- 20. Stepanenko, Rostov on Don.
  - a* Dried sturgeon, steak, etc.
  - b* Caviar.
  - c* Viasiga (spinal cord of sturgeon).

**U. S. FISH COMMISSION.**

Series of Aquaria East Polygonal Building and corridor.



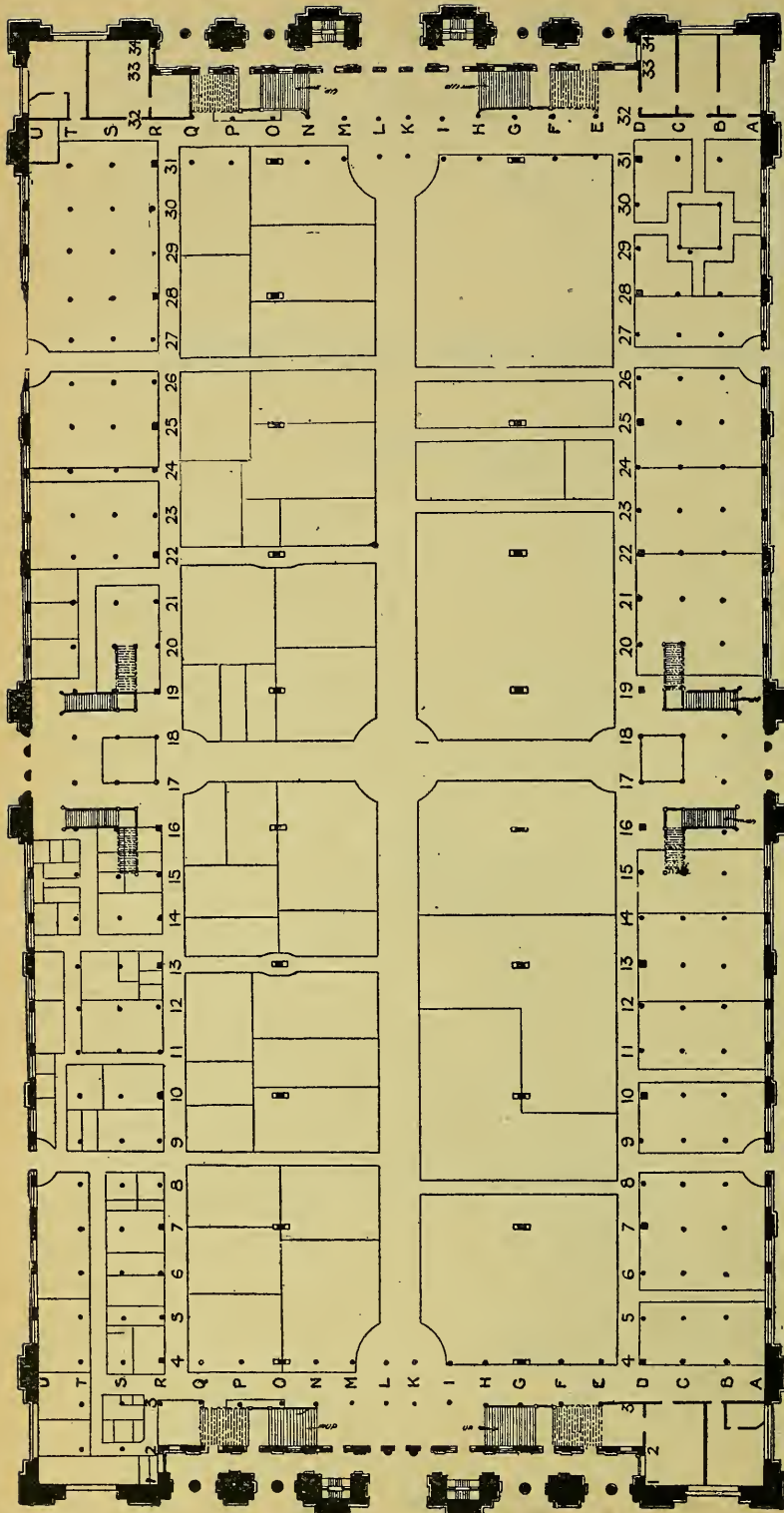
*Mines and Mining Building*

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# **MINES AND MINING BUILDING.**

## **HOW TO FIND EXHIBITS.**

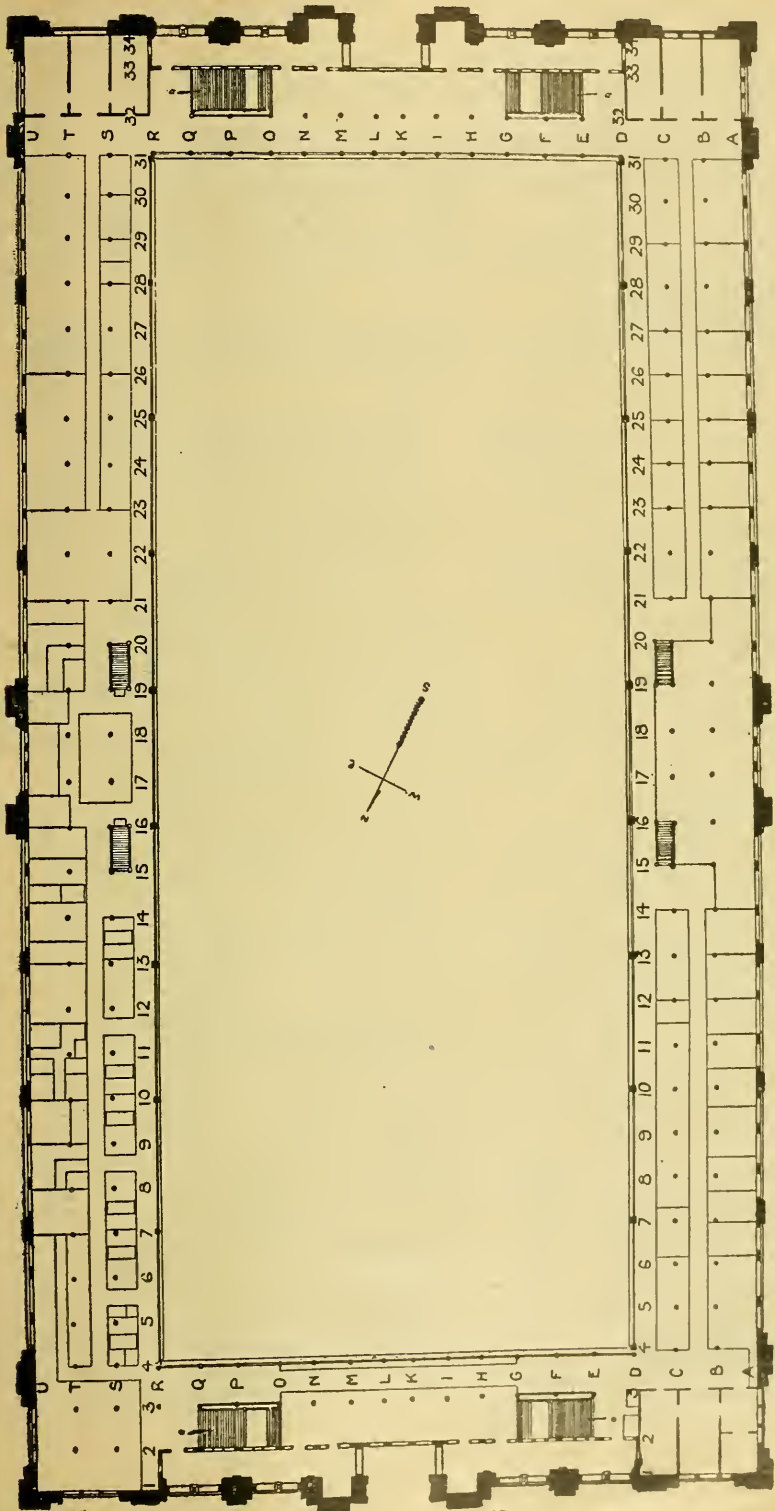
For the purpose of indicating the location of exhibits in the Mines Building, the columns extending north and south are numbered from 1 to 34 as shown in the diagram, and those extending east and west are lettered from "A" to "U." By this system, each exhibit on the main floor or the gallery has a position 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, 28, 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.



—OFFICIAL ALLOTMENT OF SPACE— —MINES AND MINING BLDG.—  
 — WORLD'S COLUMBIAN EXPOSITION —  
 — GROUND FLOOR PLAN —



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— OFFICIAL ALLOTMENT OF SPACE — TO — MINE AND MINING BLDG. —  
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# INTERESTING EXHIBITS

—IN—

## Department E.--Mines, Mining and Metallurgy.

### UNITED STATES.

**Minerals, Ores, Native Metals, Gems and Crystals. Geological Specimens.**

- | Exhibit No.                                | Location.  |
|--|--|
| 1b. Carrera, Mrs. J. C., Las Cruces, N. M. | Collection of minerals C-7-g                                   |
| 5. English, George L., & Co., New York.    | <i>a</i> Mineral specimens. H-22-g                             |
|  | <i>b</i> Gems and precious stones.                             |
| 11d. McClelland, Andrew, Aspen, Col.       | Aspen's "Silver Queen" group. B-13-g                           |
| 11e. Morrison, E. G., Eureka, Nev.         | Mineral collections. C-12-g                                    |
| 13d. Tiffany & Co., New York.              | <i>a</i> Collection of minerals systematically arranged.       |
|  | <i>b</i> Collection of cut and uncut gems and precious stones. |
| 16. Ward's Natural Science Establishment.  | <i>a</i> Collection of minerals. T-28-g                        |
|  | <i>b</i> Cabinet of meteorites.                                |
|  | <i>c</i> Rocks and petrology.                                  |
|  | <i>d</i> Cabinet of marbles. B-5-g                             |

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

- |   |   |
|---|---|
| 19. Frick, H. C., Coke Company, Scottsdale, Pa. | Coke and coking coal. S-24-g                    |
| 23. Standard Oil Company, New York.             | <i>a</i> Carbon for electric lights, etc. K-3-g |
|   | <i>b</i> Asphaltum and other forms of pitch.    |
|   | <i>c</i> Petroleum products of every kind.      |

**Building Stones, Marbles, Ornamental Stones and Quarry Products.**

- |  |  |
|--|--|
| 25. Auld & Conger, Cleveland, Ohio.          | Roofing slate. T-19-g                  |
| 26b. Departmental Display of Building Stone. | S-17-g                                 |
| 29. New Pedrara Onyx Company, New York.      | Onyx blocks, slabs and columns. T-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 |
|------------------------------------|---|

Exhibit No.	Location.
-------------	-----------

- |   |   |
|---|---|
| 39. Pittsburg Crushed Steel Company, Pittsburg, Pa.   | Crushed steel and steel emery. C-28-g and T-14-g                          |
| <b>Graphite and its Products; Clays and Other Fictile Materials and their Direct Products; Asbestos, Etc.</b> |   |
| 46. Dixon, Joseph, Crucible Company, Jersey City, N. J.   | T-12-g  |
|   | <i>a</i> Graphite ore.  |
|   | <i>b</i> Graphite lubricants.   |
|   | <i>c</i> Electrotypers' graphite.   |
|   | <i>d</i> Crucibles and melting pots.                                      |
| 48. Johns, H. W., Manufacturing Company, N. Y.  | Technical display of asbestos. Q-14 and T-11-g                            |
| 49a. Sall Mountain Asbestos Co., Chicago.   | Asbestos. T-11-g  |
| <b>Limestone, Cements, Asphalt and Artificial Stone.</b>  |   |
| 54. Barber Asphalt Paving Co., New York.  | <i>a</i> Technical exhibit of natural asphalt, and its compounds. T-8-9-g |
|   | <i>b</i> Asphalt, asphaltic cement and paving.                            |
| 60. Warren-Scharf Asphalt Paving Company, Cincinnati.   | Asphalt street pavement with method of making. T-10-g                     |
| <b>Salts, Sulphur, Fertilizers, Pigments, Mineral Waters and Miscellaneous Useful Minerals and Compounds.</b> |   |
| 61a. Departmental Display of.   | <i>a</i> Salt (chloride of sodium). T-6-g                                 |
|   | <i>b</i> Mineral water.   |
| 92. Manitou Mineral Water Co., Manitou Springs, Col.  | Mineral waters. S-7-g   |
| <b>Metallurgy of Iron and Steel, with the Products.</b>   |   |
| 71b. British Metallurgical Exhibit.   | <i>a</i> Ores of iron and manganese.                                      |
|   | <i>b</i> Iron and steel. A-B-C-31-g                                       |
|   | <i>c</i> Fuel.  |
| 72. Cambria Iron & Steel Works, Johnstown, Pa.  | Iron and steel. R-20  |
| 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.
90. Sterling Steel Co., Pittsburgh, Pa.	
Steel armor piercing projectiles.	T-14
99a. Wood, W., Dewees Co., Pittsburgh, Pa.	
Iron and steel sheets and plates.	T-14-g
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.	
a Copper ores and associated rocks.	B-23-g
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.	
113. Associated American Tin Plate Manufacturers, Pittsburg, Pa.	
Tin plate exhibit.	K-31-g
Metallurgy of Zinc, Nickel and Cobalt.	
116. Emmens Metal Company, New York.	
a Metallic nickel.	C-25-g
b Nickel salts.	
c Nickel alloys.	
Extraction of Gold and Silver by Milling.	
125. Chicago Iron Works, Chicago.	
Amalgamating plant.	R-22
127. Fraser & Chalmers, Chicago.	
a Stamp mill.	S-29
b Amalgamating barrel.	
Extraction of Gold and Silver by Lixivation.	
138. Russell Process Company, Park City, Utah.	
Model of leaching plant.	B-25-26-g
Boring and Drilling Tools and Machinery, and Apparatus for Breaking out Ore and Coal.	
165. Ingersoll-Sergeant Drill Company, New York.	
a Drills and tripods.	Q-19
b Coal cutter.	

Exhibit No.	Location.
166. Jeffrey Manufacturing Company, Columbus, O.	T-8
a Electric power and air drills	
b Coal mining machinery.	
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	
213. Bradley Fertilizer Co., Boston.	
Roller mills.	V-11
Assaying Apparatus and Fixtures.	
235. Pittsburg Testing Laboratory, Ltd., Pittsburg, Pa.	
Exhibits of specimens tested physically and chemically.	S-32-g
236. Richards & Co., Chicago.	
a Furnaces, muffles and appliances	S 32-g
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.

256. Gates Iron Works, Chicago. Models of rock breakers and Cornish rolls. Q-16

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.

Exhibit No.	Location.	Exhibit No.	
<b>CONNECTICUT.</b> Location—Gallery T, 19. STATE EXHIBIT.		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.	
<b>FLORIDA.</b> Location—Gallery S, 29. STATE EXHIBIT.		5. Eureka County. Native ores.	
<b>IDAHO.</b> Location—Sec. N, 26. STATE EXHIBIT.		<b>NEW HAMPSHIRE.</b> Location—Sec. S, 30. STATE EXHIBIT.	
<b>INDIANA.</b> Location—Sec. N, 14. STATE EXHIBIT.		<b>NEW JERSEY.</b> Location—Sec. Q, 9. STATE EXHIBIT.	
<b>IOWA.</b> Location—Sec. P, 33. STATE EXHIBIT.		<b>NEW MEXICO.</b> Location—Sec. Q, 28. STATE EXHIBIT.	
<b>KANSAS.</b> Location—Sec. Q, 3. STATE EXHIBIT.		<b>NEW YORK.</b> Location—Sec. N, 9. STATE EXHIBIT.	
<b>KENTUCKY.</b> Location—Sec. N, 11. STATE EXHIBIT.		<b>NORTH CAROLINA.</b> Location—Sec. Q, 5. STATE EXHIBIT.	
<b>LOUISIANA.</b> Location—Sec. Q, 10. STATE EXHIBIT.		<b>OHIO.</b> Location—Sec. N, 12. STATE EXHIBIT.	
<b>MAINE.</b> Location—Gallery B, 7. STATE EXHIBIT.		<b>OREGON.</b> Location—Sec. Q, 8. STATE EXHIBIT.	
<b>MASSACHUSETTS.</b> Location—Gallery B, 11. STATE EXHIBIT.		<b>PENNSYLVANIA.</b> Location—Sec. N, 6. STATE EXHIBIT.	
<b>MICHIGAN.</b> Location—Sec. 9, 16. STATE EXHIBIT.		Including the exhibit of the Lehigh Valley Coal Co., Wilkesbarre. 45. Lehigh Valley Coal Co., Wilkesbarre. Coal. Anthracite coal shaft representing a columnar section of the Mammoth coal vein, 54 feet in height, from the Girard Estate mine. 131. Schwyer & Liess, King of Prussia. Slab of blue marble and marble blocks.	
<b>MINNESOTA.</b> Location—Sec. Q, 12. STATE EXHIBIT.			
<b>MISSOURI.</b> Location—Sec. N, 19. STATE EXHIBIT.			
<b>MONTANA.</b> Location—Sec. N, 29. STATE EXHIBIT. Including Ada Reehan's Statue.			
<b>NEVADA.</b> Location—Sec. B, 10.			



INTERESTING EXHIBITS IN DEPARTMENT E.—MINES AND MINING.

Exhibit  
No

**SOUTH CAROLINA.**

Location—Gallery T, 6.

2. Bolton Mining Co., Charleston. Land phosphate rock.
5. Carolina Mining Co., Beaufort. River phosphate rock.

**SOUTH DAKOTA.**

Location—Sec. N, 23.

STATE EXHIBIT.

**TENNESSEE.**

Location—Sec. Q, 10.

STATE EXHIBIT.

**UTAH.**

Location—Sec N, 27.

STATE EXHIBIT.

**VERMONT.**

Location—Gal. S, 17.

STATE EXHIBIT.

**VIRGINIA.**

Location—Sec. Q, 6.

STATE EXHIBIT.

**WASHINGTON.**

Location—Sec. Q, 25.

STATE EXHIBIT.

**WEST VIRGINIA.**

Location—Sec. N, 8.

STATE EXHIBIT.

**WISCONSIN.**

Location—Sec. N, 21.

STATE EXHIBIT.

**WYOMING.**

Location—Sec. Q, 23.

STATE EXHIBIT.

**ARGENTINE REPUBLIC.**

Location—Sec. B, 23.

ENTIRE EXHIBIT.

**AUSTRIA.**

Location—Sec. B, 7.

ENTIRE EXHIBIT.

**BOLIVIA.**

Location—Sec. B, 28.

1. Obavvio, Melchior, Bolivian Consul at New York. Silver ores from Coquechaba and Aullagas Companies, Bolivia.

Exhibit  
No.

**BRAZIL.**

Location—Sec. G, 24.

ENTIRE EXHIBIT.

**CANADA.**

Location—Sec. B, 11.

ENTIRE EXHIBIT.

**CHILI.**

Location—Sec. D, 31.

ENTIRE EXHIBIT.

**ECUADOR.**

Location—Sec. A, 28.

ENTIRE EXHIBIT.

**FRANCE.**

Location—Sec. G, 6.

ENTIRE EXHIBIT.

**GERMANY.**

Location—Sec. G, 20.

ENTIRE EXHIBIT.

**GREAT BRITAIN.**

Location—Sec. G, 16.

ENTIRE EXHIBIT.

**GREECE.**

Location—Sec. B, 27.

ENTIRE EXHIBIT.

**ITALY.**

Location—Sec. B, 13.

ENTIRE EXHIBIT.

**JAPAN.**

Location—Sec. B, 15.

ENTIRE EXHIBIT.

**MEXICO.**

Location—Sec. B, 28.

ENTIRE EXHIBIT.

**NEW SOUTH WALES.**

Location—Sec. G, 10.

ENTIRE EXHIBIT.

**RUSSIA.**

Location—Sec. B, 21.

ENTIRE EXHIBIT.

**SAN JUAN DEL REY.**

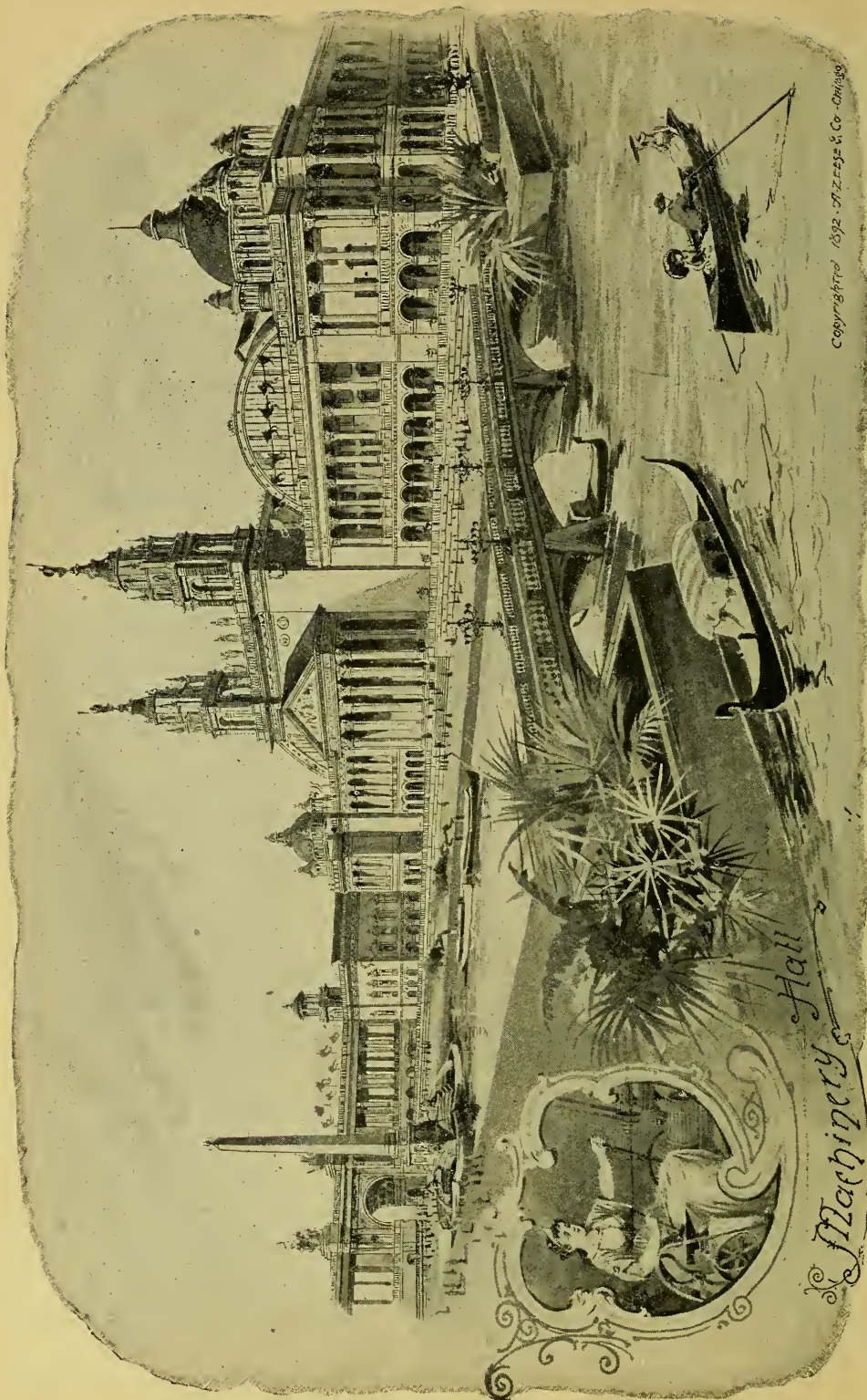
Location—Sec. F, 24.

1. Statistical pyramid of gold production of Morro Velho mine.

**SPAIN.**

Location—Sec. B, 25.

ENTIRE EXHIBIT.



Hall  
Machinery

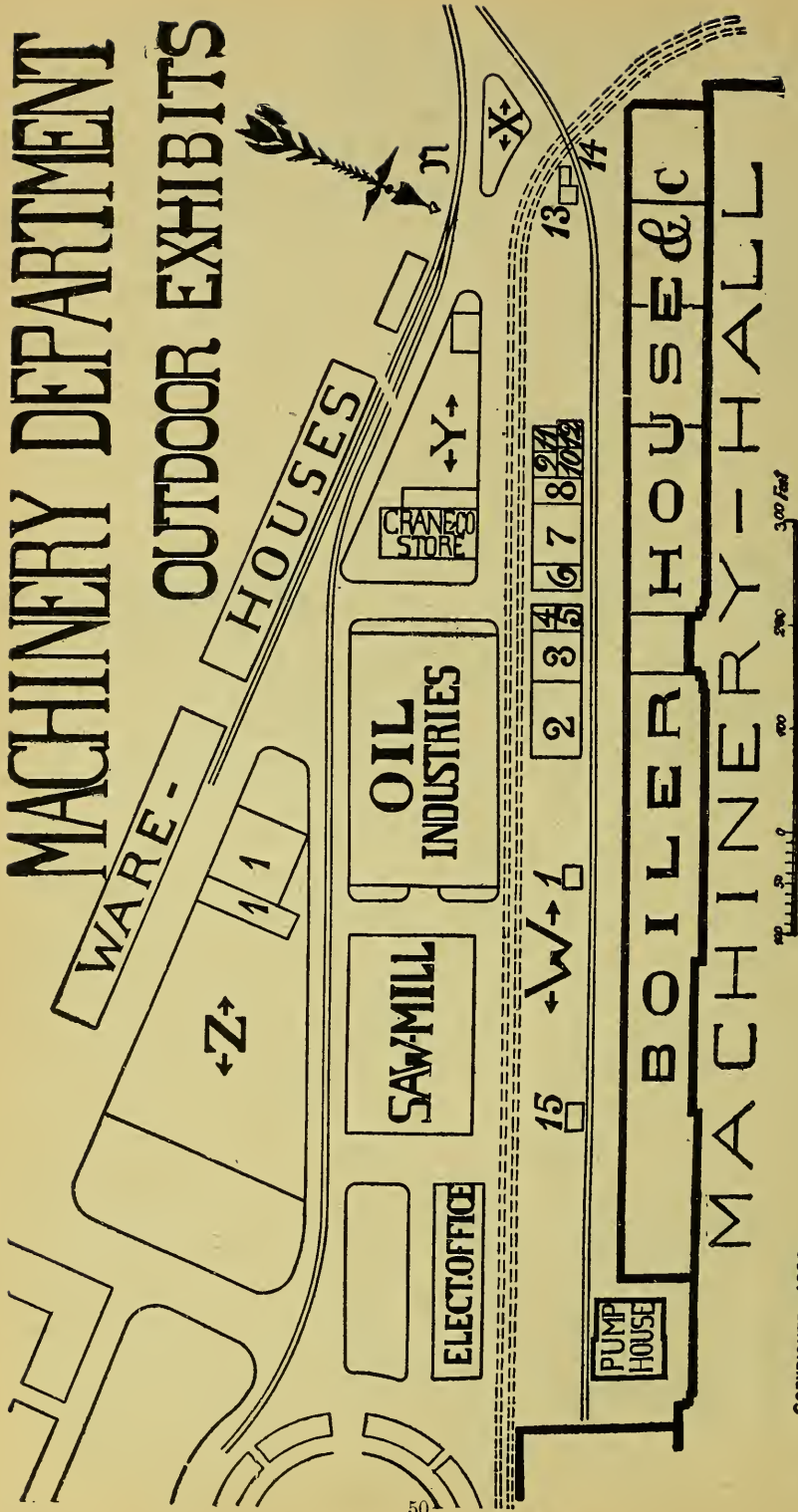
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# MACHINERY HALL.

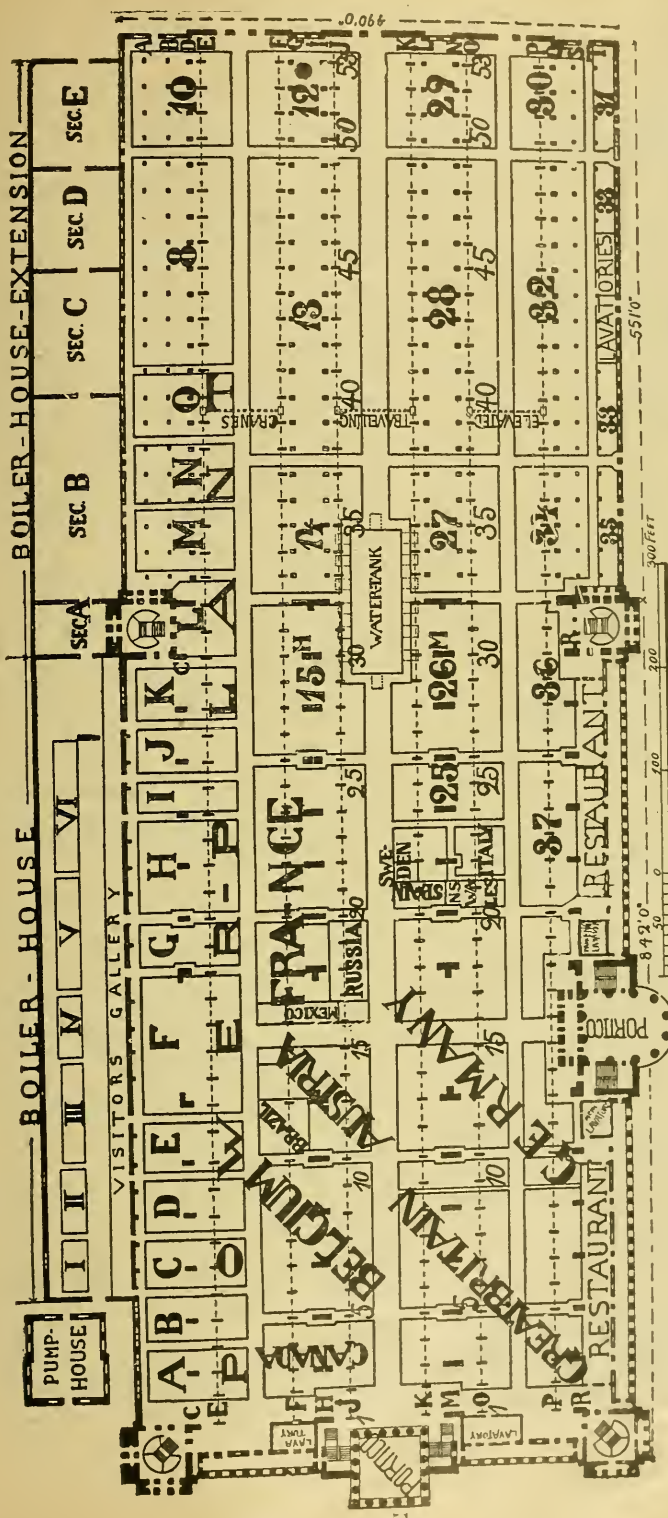
## HOW TO FIND EXHIBITS.

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.

# MACHINERY DEPARTMENT OUTDOOR EXHIBITS



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GROUND FLOOR PLAN, MACHINERY HALL, WORLD'S COLUMBIAN EXPOSITION.

# INTERESTING EXHIBITS

— IN —

## Department F.--Machinery.

### UNITED STATES.

Exhibit No.	Location.	Exhibit No.	Location.
	Motors and Apparatus for the Generation and Transmission of Power—Hydraulic and Pneumatic Apparatus.		
1.	Abendroth & Root M'fg Co., New York.		
	<i>a</i> Boilers, water pipes.	BH.—1	
	<i>b</i> Pipe for water works, etc.	26-M-28	
4.	Allis, E. P. Co., Milwaukee, Wis.		
	Steam engines.		
		PP.—F-E-13 & PH. of E. Ry	
7.	American Fire Engine Co., Seneca Falls, N. Y.		
	<i>a</i> Boilers and engine heaters.		
		8-A-45; FEH	
	<i>b</i> Fire pump and piston pump.		
9.	American Leather Link Belt Co., Chicago.		
	Leather link belts.	15-F-27 & PP.	
oa.	Andrews & Johnson Co., Chicago.		
	<i>a</i> Engines.	26-M-31	
	<i>b</i> Ventilating apparatus.		
11.	Ashton Valve Co., Boston.		
	Valves and gauges.	26-M-27	
12.	Atlas Engine Works, Indianapolis, Ind.		
		PP.—H-D-22 & N-A-37	
	<i>a</i> Boilers.		
	<i>b</i> Engines.		
13a.	Babcock & Wilcox Co., New York.		
	Model of water tube sectional boilers, iron heads and wrought iron headers, steel and cast iron drum heads, hand-hole fittings and forging.	25-M-23	
14.	Ball Engine Co., Erie, Pa.		
	Engines.	PP.—B-E-5	
15.	Ball & Wood Co., New York.		
	Engines.	PP.—E-A-11	
16.	Bass Foundry & Machine Works, Fort Wayne, Ind.		
	Engine.	PP.—N-E-37	
17.	Bates Machine Co., Joliet, Ill.		
	Engine.	LS.—32-S-43	
21a.	Blake, George F., M'fg Co., New York.		
	<i>a</i> Condensers.	BH.	
	<i>b</i> Pumps.		
33.	Caldwell, H. W., & Son Co., Chicago.		
	Power transmitting machinery.	27-N-33	
35.	Cameron, A. S., Steam Pump Works, New York.		
	Pumps and engine.	BH.—5 & 26-K-31	
40.	Chapman Valve M'fg Co., Chicago.		
	Steam valves.	BH.—3	
46.	Cleveland Faucet Co., Cleveland, Ohio.		
	<i>a</i> Air compressors.	26-O-27	
	<i>b</i> Physicians' atomizing apparatus and beer preserving device.		
52.	Crane Elevator Co., Chicago.		
	<i>a</i> Hydraulic machines, piston and cages.	29-L-51 & West Wall, FG & NO. East Wall, P. R.	
	<i>b</i> Steam engines.		
	<i>c</i> Power pump.		
	<i>d</i> Elevators.		
53.	Crane Co., Chicago.		
	Steam water, and gas supplies.	26-O-28	
57.	De La Vergne Refrigerating Machine Co., New York.		
	Refrigerating and ice machinery.	26-O-29	
58.	Deming Co., The, Salem, Ohio.		
	Pumps.	27-K-33	
60.	Dodge M'fg Co., Mishawaka, Ind.		
	Power transmitting appliances.	15-F-27	
64b.	Erie City Iron Works, Erie, Pa.		
	<i>a</i> Boilers.		
	<i>b</i> Steam engines.	SL.	
76.	Farquhar, A. B., Co., York, Pa.		
	Engines.	14-F-33	
77a.	Fuel Economizer Co., Matteawan, N. Y.		
	Fuel economizer.	PH of E. Ry. 25-K-22	
79.	Gandy Belting Co., Baltimore.		
	Belt-ing.	15-J-27	
80.	General Electric Co., New York.		
	<i>a</i> Transmission of power	1-N-33, -1H-20, 1-C-9	
	<i>b</i> Electric pumps.		
	<i>c</i> Electric air compressor.		
	<i>d</i> Electric blowers and fans.		
	<i>e</i> Lifting magnets, electric hoists and traveling cranes.		
82.	Golden State & Miners' Iron Works, San Francisco.		
	Compound steam engine.	LS. 28-L-43	
88.	Hayes Pump & Planter Co., Galva, Ill.		
	Force pumps, wind mills and power pumps.	27-L-34	
91.	Heine Safety Boiler Co., St. Louis.		
	Boilers.	MP.—B.S.Ry. & B.H.—3	
91a.	Henderson, Thoens & Gerdes, New Orleans, La.		
	Ice machine.	W.—ODS.	

INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

- | Exhibit No. | Location.  | Exhibit No.  | Location.  |
|-------------|--|--|--|
| 96.         | Jarecki Manufacturing Co., Erie, Pa.<br>Brass and iron work, pipe fittings, etc.<br>28-K-47  | 156.   | Russell & Co., Massillon, Ohio.<br>Automatic engines<br>PP.—K-A-28 & PP.—O.  |
| 95a.        | Ingersoll-Sergeant Drill Co., New York.<br>Air compressors, straight line, duplex and compound.<br>PP.   | 159.   | Schieren, Chas. A., Chicago. Belting, stuffing, cement.<br>The following in PP. D-C-9; H-E-23; H-C-23; M-B-D-E-34, N-E-37; N-A-B-37; H-C-D-23; N-E-40. On line shafting. 10-D-50; 13-F-44; 28-L-44; 32-Q-43; 15-F-27.  |
| 97.         | Jeffrey Manufacturing Co., Columbus, Ohio.<br>Conveyors, elevators, etc.<br>26-O-31  | 163a.  | Shaw Electric Crane Co., Muskegon, Mich.<br>Electric traveling crane.<br>Machine shop  |
| 105.        | Laidlaw & Dunn Co., Cincinnati.<br>Pumps.<br>14-I-33 & BH.—5   | 168.   | South Bend Pulley Co., South Bend, Ind.<br>Pulleys.<br>15-J-27   |
| 107.        | Lane & Bodley Co., Cincinnati.<br>Engines.<br>PP.—M-A-34   | 170.   | Stearns Manufacturing Co., Erie, Pa.<br>Boilers.<br>PP.—D-D-9  |
| 110.        | Lidgerwood Manufacturing Co., New York.<br>Electric mining hoist.<br>15-F-28   | 188.   | Walworth Manufacturing Co., Boston.<br>Valves, cocks, etc.<br>26-O-27  |
| 112.        | Lippincott, Chas., & Co., Philadelphia.<br>Soda water machinery.<br>27-O-37  | 195.   | Westinghouse, Church, Kerr & Co., New York.<br>Engines.<br>PP.—1-A-25, F-A-15 & G-A-19   |
| 116.        | McEwen, J. H., Manufacturing Co., Ridgeway, Pa.<br>Engine.<br>PP.—F-D-14   | 195a.  | Westinghouse Electric & Manufacturing Co., Pittsburg, Pa.<br>Dynamos alternating current, switchboard and apparatus for handling dynamos and currents; direct current generators, long distance transmission of power. |
| 117.        | McGowan, John H., Co., Cincinnati.<br>a Pumping machinery, direct acting, duplex, and crank and fly wheel types.<br>27-K-L-36 & BH.<br>b Air pumps, crank and fly wheel and direct acting types.<br>c Tobacco machinery, presses, finishers, etc.<br>d Valves, back pressure and gate, spray sprinklers and pump valve seat. | 203.   | Wolf, Fred W., Co., Chicago.<br>Refrigerating machines. Waukesha Hygeia Bldg.  |
| 118.        | McIntosh, Seymour & Co., Auburn, N. Y.<br>Compound condensing engine.<br>PP.—H-A-23; W.D.R.R.; Dept J.   | 204.   | Wood, R. D., & Co., Philadelphia.<br>a Gas apparatus.<br>15-F-30<br>b Hydraulic tools.<br>c Cast-iron pipe and valves.   |
| 121.        | Morgan Engineering Co., Alliance, Ohio.<br>a Traveling crane.<br>Dept. F.<br>b Hydraulic fittings.<br>MP.—B.S.Ry.  | 205.   | Worthington, Henry R., New York.<br>Pumps, condensers, water meters.<br>15-J-28  |
| 129.        | New York Belting & Packing Co., New York.<br>Belting and packing.<br>15-J-27   | 206.   | Yale & Towne Manufacturing Co., Stamford, Conn.<br>Electric traveler and hoist and chain blocks.<br>15-F-28 & Central runway   |
| 133b.       | Olmsted & Co., Chicago.<br>Drive well points and pump fixtures.<br>15-J-31 and 32  | 209.   | Zwietusch, Otto, Milwaukee, Wis.<br>Soda and mineral water apparatus.<br>27-O-35   |
| 137.        | Otto Gas Engine Works, Philadelphia.<br>Gas engines.<br>15-H-31  | Fire Engines, Apparatus and Appliances for Extinguishing Fire. |  |
| 138.        | Page Belting Co., Concord, N. H.<br>Belting.<br>PP.—W.D.R.R., 15-F-27  | 210.   | American Fire Engine Co., Seneca Falls, N. Y.<br>Fire engine house.<br>8-A-44-45<br>a Steam fire engines.<br>b Hose cart and fire dept. supplies.  |
| 146.        | Providence Steam Engine Co., Providence, R. I.<br>Compound engine.<br>28-L-44  | 215.   | Fire Extinguisher Manufacturing Co., Chicago.<br>FEH.—8-A-47<br>a Hook and ladder truck.<br>b Fire extinguishers.  |
| 148a.       | Rand Drill Co., New York.<br>Air compressors.<br>M. P. & B. S. Ry.   | 218.   | Kansas City Fire Dept. Supply Co., Kansas City, Mo.<br>Water tower.<br>Fire engine house   |
| 149.        | Reeves Pulley Co., Columbus, Ind.<br>Pulleys.<br>15-H-27   |  |  |
| 151.        | Reliance Gauge Co., Cleveland, Ohio.<br>Alarm for steam boilers, floats for high pressure steam service and steam separators.<br>BH.—3-5   |  |  |

INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

Machine Tools and Machines for Working Metals.

Exhibit No.	Location.
224. Acme Machinery Co., Ohio. Machinists' tools.	Cleveland, 13-I-47
226. American Screw Co., R. I. Screw making machines.	Providence, 29-K-50
229. Barnes, W. F. & John, Co., Rockford, Ill. Lathes, drills, etc.	14-J-36
234. Bliss, E. W., Co., Metal working machines.	Brooklyn, N. Y. 28-L-42
239. Brown & Sharp Manufacturing Co., Providence, R. I.	
<i>a</i> Machinists' small tools.	13-J-46
<i>b</i> Metal working machines.	
240. Buckeye Iron & Brass Works, Dayton, Ohio. Metal working machines.	28-K-44
244. Christy Knife Co., Knife handle, press and slotting machines.	Fremont, O. 13-J-38
245. Cleveland Twist Drill Co., Ohio. Drills, taps, reamers, cutters, etc.	Cleveland, 29-L-50
253a. Foos Manufacturing Co., Ohio. Portable forges, blowers and blacksmiths' tools.	Springfield, 10-D-51 & 32-P-49
260. Hilles & Jones Co., Metal working machines.	Wilmington, Del. Machine shop & 12-J-53
261. Horton, E., & Son Co., Locks, Conn. Lathe and drill chucks.	29-K-52
263. International Steel Post Co., Chicago. Rolling machine and punches.	10-E-51
264. Jarecki Manufacturing Co., Threading machines.	Erie, Pa. 28-K-47
269. Lodge & Davis Machine Tool Co., Cincinnati. Lathes, planers, etc.	28-K-42
273. Morse Twist Drill & Machine Co., New Bedford, Mass. Machinists' tools.	29-L-50
277. Niagara Stamping & Tool Co., Buffalo, N. Y. Tools and machines for sheet metal.	28-L-46
278. Niles Tool Works Co., Ohio. Machine tools.	Hamilton, 12 <sup>1</sup> -J-50
282. Pond Machine Tool Co., N. J. Lathes, planers, drills and railroad tools.	Plainfield, Machine shop & 13-J-40
283. Pratt & Whitney Co., Hartford, Conn. Machine tools, special machinery and small tools.	13-J-44 & 45
289. Standard Tool Co., Machinists' small tools.	Cleveland, Ohio. 29-K-53
297. Williams, J. H., & Co., Special drop-forgings from iron, steel, copper and bronze.	Brooklyn, N. Y. Machine shop

Machinery for the Manufacture of Textile Fabrics and Clothing.

Exhibit No.	Location.
309. Best, Jno., & Co., Art silk weaving.	Paterson, N. J. 29-O-51
310. Branson Machine Co., Knitting machines.	Philadelphia. 30-P-50
311a. Brosius Sewing Machine & Motor Co., St. Charles, Ill. Motor attached to sewing machine and motor separate.	30-O-53
312. Butterworth, H. W., & Sons Co., Philadelphia. Tenting and drying machine.	30-P-51
313a. Chicago Braiding & Embroidery Co., Chicago. Embroidery and cutting machine.	30-P-53
313b. Chicago Sewing Machine Co., Chicago. Sewing machines.	32-P-48
314. Crompton Loom Works, Worcester, Mass.	
<i>a</i> Looms for silk goods.	32-P-39
<i>b</i> Looms for cotton goods.	
<i>c</i> Looms for woolen goods.	
<i>d</i> Worsted working machinery and noble comb coiler and baller.	
316. Dennison Manufacturing Co., Chicago. Tag making machine.	28-N-42
322. Foster Machine Co., Creel and warper, carpet machine and winders.	Westfield, Mass. 28-O-45
323. Gardner Sewing Machine Co., Aurora, Ill. Sewing and folding machines.	32-P-49
324a. Globe Button Hole Machine Co., Boston. Globe button hole machine.	32-P-49
330. Knowles Loom Works, Worcester, Mass.	28-O-38
<i>a</i> Silk looms.	
<i>b</i> Cotton looms.	
<i>c</i> Woolen looms.	
<i>d</i> Looms for mixed fabrics.	
334. Lowell Machine Shop, Lowell, Mass. Cotton goods machine.	28-O-40
342. National Sewing Machine Co., Belvidere, Ill. Sewing machine.	32-P-41
343a. New Home Sewing Machine Co., Orange, Mass. New Home sewing machines and embroiderers.	28-O-41
345a. Osborn, C. D., & Co., Chicago. Machines for sewing and embroidering heavy and light material.	29-O-50
352. Schaum & Uhlinger, Philadelphia. Silk machine.	28-O-49
354. Singer Manufacturing Co., New York. Sewing machines for leather work and textile fabrics.	32-P-45 & Leather and Shoe Trades Bldg.



INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

Exhibit No.	Location.
356. Standard Sewing Machine Co., Cleveland, O.	Sewing machines. 32-P-43
359. Star & Crescent Mills Co., Philadelphia.	Looms for Turkish towel weaving. 29-N-50
367. Weyburn Special Machine Co., Chicago.	Knitting, cutting and cutting tables. 28-O-47
369. Willimantic Linen Co., of Hartford, Conn., Willimantic, Conn.	Cotton thread machinery and spool cotton. 28-O-45

Machines for Working Wood.

373. American Wood Decorating Machine Co., New York.	Embossing machine. 13-F-45
375. Atkins, E. C., & Co., Indianapolis, Ind.	Saws and saw tools. 14-G-33
377. Berlin Machine Works, Beloit, Wis.	Wood-working machinery. 13-F-42
383. Disston, Henry, & Sons (Inc.), Philadelphia.	Saws and tools. 14-F-34
388. Fay, The J. A., & Egan Co., Cincinnati.	Machinery for car shops, navy yards, etc. 13-F-38 & 13-F-41
394. Greenlee Bros. & Co., Chicago.	Wood-working machinery. 13-F-48
402. Milwaukee Carving Co., Milwaukee, Wis.	Wood-working machines. 13-G-44
403. Mitts & Merrill, Saginaw, Mich.	Edging grinders. SMB.
404. Moore Carving Machine Co., Minneapolis, Minn.	Wood carving machine. 14-G-34
411. Simonds Manufacturing Co., Fitchburg, Mass.	Saws and machine knives. 14-I-35
414. Stearns Manufacturing Co., Erie, Pa.	Saw mill machinery. 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
421. Babcock Printing Press Manufacturing Co., New London, Conn.	Printing presses. 34-P-34
422. Barnhart Bros. & Spindler, Chicago.	<i>a</i> Old Ramage press. 33-T-38 <i>b</i> Type casting machines. <i>c</i> Type in its various stages.

Exhibit No.	Location.
426. Campbell Printing Press Manufacturing Co., New York.	<i>a</i> Printing presses. 36-P-30 <i>b</i> Paper folding machinery.
427. Chambers Bros. Co., Philadelphia.	Paper folding machines. 34-P-36
430. Cottrell, C. B., & Sons, Westerly, R. I.	Printing presses. 34-P-36
431. Dexter Folder Co., Fulton, N. Y.	Folding machinery. 32-S-41
432. Duplex Printing Press Co., Battle Creek, Mich.	Printing presses. 36-P-31
433a. Gally, Merritt, New York.	<i>a</i> Universal printing presses. <i>b</i> Embossing machine. <i>c</i> Wood printer. <i>d</i> Book cover stamping press. <i>e</i> Paper box cutting and scoring press. 34-P-33
435. Goss Printing Press Co., Chicago.	Newspaper perfecting presses. 37-P-22
437. Hoe, R., & Co., New York	Printing presses. 37-P-21 & Puck Bldg.
440. International Typograph Co., Cleveland, Ohio.	Type-setting and type line-casting 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
450. Miehle Printing Press and M'f'g Co., Chicago.	<i>a</i> Printing press. 34-Q-33 <i>b</i> Paging machine.
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
451. Potter, C., Jr., & Co., New York.	Printing presses. 36-P-28 & 37-P-24
456. Scott, Walter, & Co., Plainfield, N. J.	<i>a</i> Printing presses. <i>b</i> Stereotype machines. <i>c</i> Paper cutters. <i>d</i> Folding machines.
462. Thorne Type-setting Machine Co., Hartford, Conn.	Type-setting machine. 34-Q-34
464a. Western Paper Bag Co., Chicago.	Paper making machinery. 8-B-42
Lithography, Zincography and Color Printing.	
465. Duplex Color Disc Co., Chicago.	Duplex color ink plate for printing presses. 35-T-37

INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

- | Exhibit No.                                     | Location.  |
|---|--|
| 465a. Orcutt Co., Chicago.                      | Lithographic-presses. 36-P-28                    |
| 465b. Ottmann, J., Lithographing Co., New York. | Complete lithographing establishment. Puck Bldg. |

Photo-Mechanical and Other Mechanical Processes of Illustrating, etc.

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|---|--|
| 468. Ewen, Warren, Jr., & Co., Chicago.                         | Multi-color process exhibit. 32-S-45                         |
| 472. Ashcroft M'fg Co., New York.                               | Machinery appliances. 25-K-24                                |
| 473. Blakeslee, G. S., Co., Chicago.                            | Dishwasher machine. Casino & 32-Q-45                         |
| 465a. Buckeye Churn Co., Sidney, Ohio.                          | Washing machines.  |
| 476a. Climax Patent M'fg Co., Philadelphia.                     | Street sweeper and cart combined. W—ODS.                     |
| 476b. Clough & Maconnell, New York City.                        | Wire corkscrews and machines for manufacturing same. 13-I-38 |
| 480. Crosby Steam Gage and Valve Co., Boston.                   | Steam gages, safety valves etc. 25-K-22                      |
| 481. Crown Pen Co., Chicago.                                    | Pen making machinery. 25-K-25                                |
| 485. Detroit Lubricating Co., Detroit, Mich.                    | Oil cups, valves, etc. 25-M-25                               |
| 489. Faneuil Watch Tool Co., Boston.                            | Watchmakers' lathes, etc. 32-Q-41                            |
| 491. Garis-Cochrane, Dish Washing Machine Co., Park Manor, Ill. | Dish washing machine.  |

Exposition restaurants & 32-S-44

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|--|--|
| 492. Geneva Optical Co., Chicago.                        | Drill, lens and prism measure, grinder. 32-S-47  |
| 493a. Hancock Inspirator Co., Boston.                    | Locomotive and stationary inspirators and jet apparatus. 27-K-33; BH6  |
| 494. Hardy, F. A., Chicago.                              | Machines for grinding lenses and fitting them to the eye. 32-Q-47  |
| 495. Harrisburg Foundry & Machine Works, Harrisburg, Pa. | Steam road rollers. W—ODS  |
| 497a. Hill, Clarke & Co., Boston.                        | Machine tools. 28-K-38   |
| 501. Kaestner, Chas., & Co., Chicago.                    | Paint mills. 10-A-50   |
| 509. Marsh, Jas. P., & Co., Chicago.                     | Pressure and compound vacuum gauger. Hercules Iron Works Pavilion; PP.—A; Waukesha Mineral Springs Co. Pavilion. |

- | Exhibit No.  | Location.  |
|--|--|
| 519. Penberthy Injector Co., Detroit, Mich.            | Injector, oil, cups and ejector. BH. & 25-M-24   |
| 521. Riehle Bros. Testing Machine Co., Philadelphia.   | 25-O-25  |
| a  | Machines for twisting hay and straw ropes.   |
| b  | Machines for testing strength of materials.  |
| c  | Machine for countersinking marble basin slabs, and for molding marble for interior finish. |
| 531. Troy Laundry Machinery Co., Ltd., New York.       | Laundry machinery. 32-Q-45   |
| 533. U. S. Mangle & Laundry Machine Co., Chicago.      | Laundry machinery. 32-S-42   |
| 537. Water Circulating Grate Co., Philadelphia.        | Water circulating and shaking grate. BHE.  |
| 538a. Western Steel Protected Glove M'fg Co., Chicago. | Machinery for manufacturing steel protected gloves. 29-O-50                                |

Machines for Working Metal, Stone, Clay and Other Minerals.

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|--|-------------------------------|
| 548. Severance Nail Machine Co., Duluth, Minn. | Nail cutting machine. 10-B-51 |
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Machinery Used in the Preparation of Food.

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|--|-------------------------------|
| 555a. De Loach Mill Manufacturing Co., Atlantic, Ga. | Portable grinding mills. SMB. |
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Plumbing and Sanitary Materials.

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|--|--|
| 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.

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|--|---------------------------------|
| 573. Fort Wayne Electric Co., Fort Wayne, Ind. | a Generators.<br>b Arc dynamos. |
| 574. Mather Electric Co., Manchester, Conn.    | Power generators.               |

INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

**BELGIUM.**

Location—F-J, 5-10.

- Exhibit No.  
 6. Soubre & Berryer, Liège. Fire engines.  
 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.

1. Abell, John, Engine & Machine Works, Toronto. Automatic and compound traction engine.  
 6a. Killey-Beckett Eng. Co., Hamilton, Ont. Compound marine engine with adjustable propellers and high speed stationary engine.  
 8a. Leonard, E., & Sons, London, Ont. High speed ball engine.  
 11. Robb Engineering Co., Amherst, N.S. High speed engine.  
 18. Bertram, John, & Sons, Dundas, Ont. Planer, drill, lathe and shaper.  
 21. Jones & Baxter, Toronto. Medal stamping presses.  
 24a. Dominion Embroidery Co., Toronto. Embroidering machine.  
 33. LeBaron, Geo. A., Sherbrooke, Que. Wire-working machinery.  
 36. Goldie & McCulloch, Galt, Ont. Brick machine.  
 39. Watrous Engine Works, Brantford, Ont. Brick machine.

**FRANCE.**

Location—H, 18-24.

18. Lemichel et Cie., Paris. Elevator siphon.  
 22. Schneider et Cie., Creusot (Saone-et-Loire). Models of marine steam, stationary and compressed air engines.

Exhibit No.

26. Dandoy-Mailliard, Lucq et Cie., Maubeuge (Nord). Machines and implements for working metals.  
 49. Des Cressionneres Freres, Lille (Nord). Machines for making toilet soap.  
 50. Dehaitre, Fernand, Paris. Plans of laundry plant and a drying machine.  
 51. Desmarais et Cie., Paris. Apparatus for the manufacture of stearine.  
 57. Muller et Roger, Paris. Accessory apparatus for boilers and steam engines.  
 70. Brehier, E., et Cie., Paris. Machines for manufacturers of preserves.  
 71. Combet, Joseph, Courbevoix (Seine). Confectioners' machine.

**GERMANY.**

Location—M, 10-19 to R, 10-19.

17. Krupp Fried, "Grusonwerk," Magdeburg, Buckau.  
     *a* Gas engines.  
     *b* Hydraulic presses.  
 19. Luther, G., Braunschweig. Engines.  
 20. Maschinenfabrik, Geishngen. Turbine water wheels.  
 21a. Otto Gas Engine Works Deutz, Cologne. Gas and petroleum engines. K-18-19 & 20  
 24. Schichau, F., Elbing. 1200 horsepower, triple expansion, and 200 horsepower stationary engines.  
 25. Wolf, R., Magdeburg, Buckau. Engines.  
 28c. Ehrhardt, Heinrich, Dusseldorf. Saws for iron and steel, milling cutters and steel sawing machines.  
 30. Krupp, Friedr., Essen. Parts of machinery, steel forgings and castings.  
 38. Monforts, A. M., Gladbach.  
     *a* Combing machine.  
     *b* Gig, cleaning machine.  
 43. Kirchner, Ernest, & Co., Leipzig, Sellershausen.  
     *a* Saws.  
     *b* Wood-working machinery.  
 44. Roller, A., Berlin. Machines for the manufacture of matches and match boxes.  
 46. Eck, Josef, & Sons, Dusseldorf. Embossing machines, also Verny-Eck paper cutter, and paper and cloth calendars.  
 48. Maschinenfabrik-Augsburg, Augsburg. Rotary and steam printing press.  
 70. Meisenbach, G., & Co., Munich. Ruling for half tones.  
 95. Malmedie & Co., Dusseldorf. Wire-working machinery.

## INTERESTING EXHIBITS IN DEPARTMENT F.—MACHINERY.

Exhibit  
No.

101. Eisenwerke vorm Nagel & Kaemp, Aktiengesellschaft, Hamburg. Portland cement works and crane plant.
104. Polysius, G., Dessau. Portland cement works, equipment, gearings, couplings, etc.
111. Lehmann, J. M., Dresden-Loebtan. Chocolate making machinery.
- 111b. Luther, G., Braunschweig. Mills for preparation of cereals.
- 115a. Seck Bros., Ltd., Dresden. Milling machinery.
116. Werner & Pfeiderer, Cannstadt. Kneading and mixing machines.
117. Wertheim, Louis, Frankfort-a-M. Asbestos goods.

### GREAT BRITAIN.

Location—M, 2-9 to R, 2-9.

1. Baker, Joseph, & Sons, London. Oil and gas engines.
4. Economic Smokeless Fire Company, Bradford. Smoke consuming and fuel economizing appliances.
5. Galloways, Ltd., Manchester. Engine driving shafting.
21. Willams & Robinson, Ltd., Thames Ditton, Surrey.  
*a* Engines.  
*b* Driving shafting.  
*c* Engine and dynamo.
26. Noble, Brown & Co., Leeds. Chemical fire engines.
28. Wright, Peter, & Sons, Dudley. Anvils, vises, smith's tools, etc.
36. Roberts, Royle & Co., Manchester. Light power loom.
36. Stevens, Thomas, Coventry. Figure loom.
37. Wilkinson, Thomas, Coventry.  
*a* Loom for silk fabrics.  
*b* Loom for cotton fabrics.
46. Davies Bros. & Co., Ltd., Wolverhampton. Galvanizing machinery, samples of manufacture.

Exhibit  
No.

53. Werner & Pfeiderer, London. Kneading, mixing and baking machines.
61. Davies & Sneade, Liverpool. Millstones.

### MEXICO.

Location—F-J, 16.

11. Maestranza Nacional de Artilleria, Federal district. Pressing machine.
21. Fabrica Nacional de Armas, Federal District. Rifling, heading and cartridge machines.

### RUSSIA.

Location—J, 17-18-19.

3. Nobel, Mr., St. Petersburg. Petroleum motor, blower and fire grate.
6. Russian Naval Ministry, School of Divers in Cronstadt. Diving apparatus and diving appliances.
21. Metal Works of St. Petersburg.  
*a* Light artillery, machines, guns, etc.  
*b* Heavy ordnance.
23. Metal Works of St. Petersburg. Sanitary and plumbing goods.

### SPAIN.

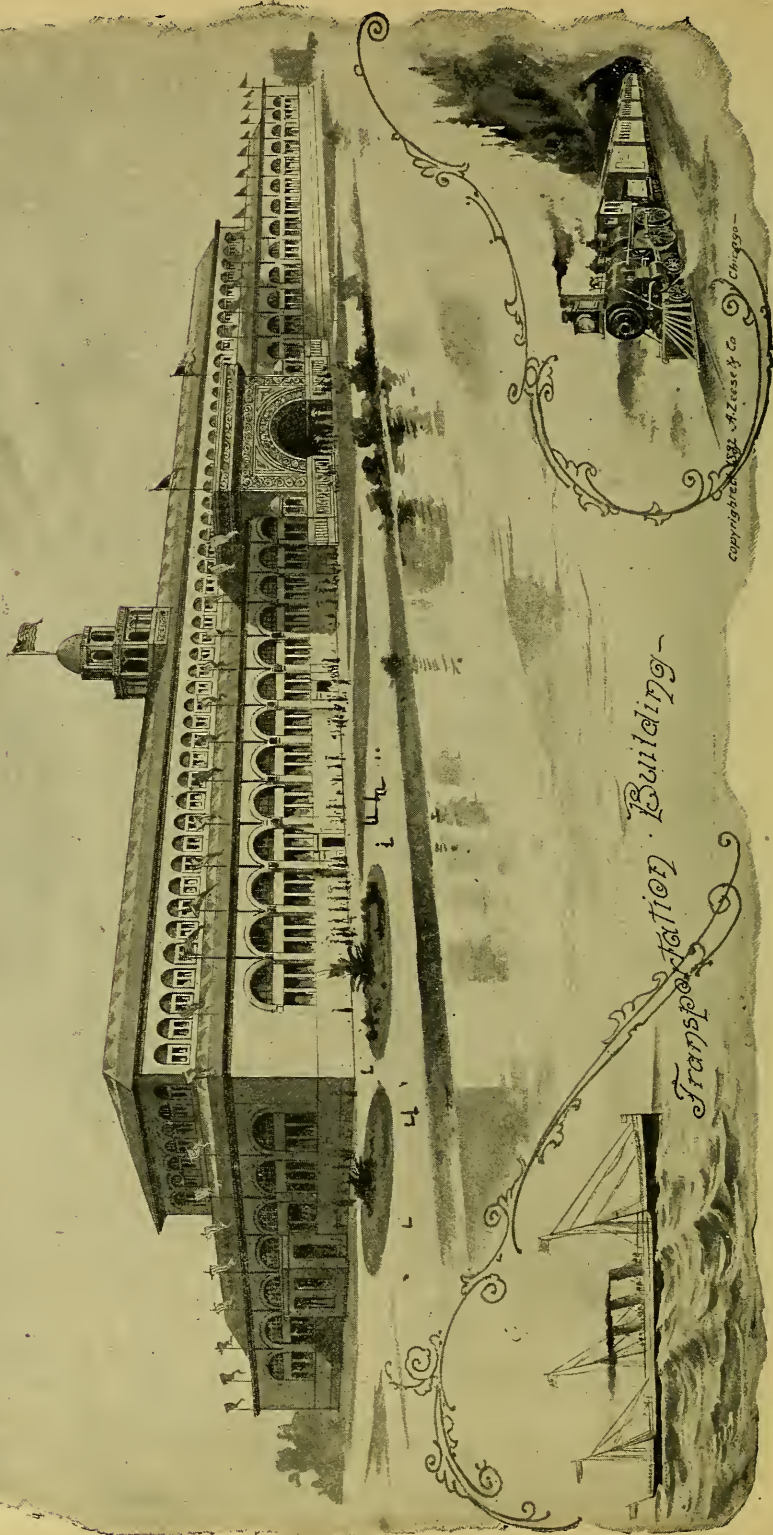
Location K, 21.

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

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Transportation Building

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# 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.

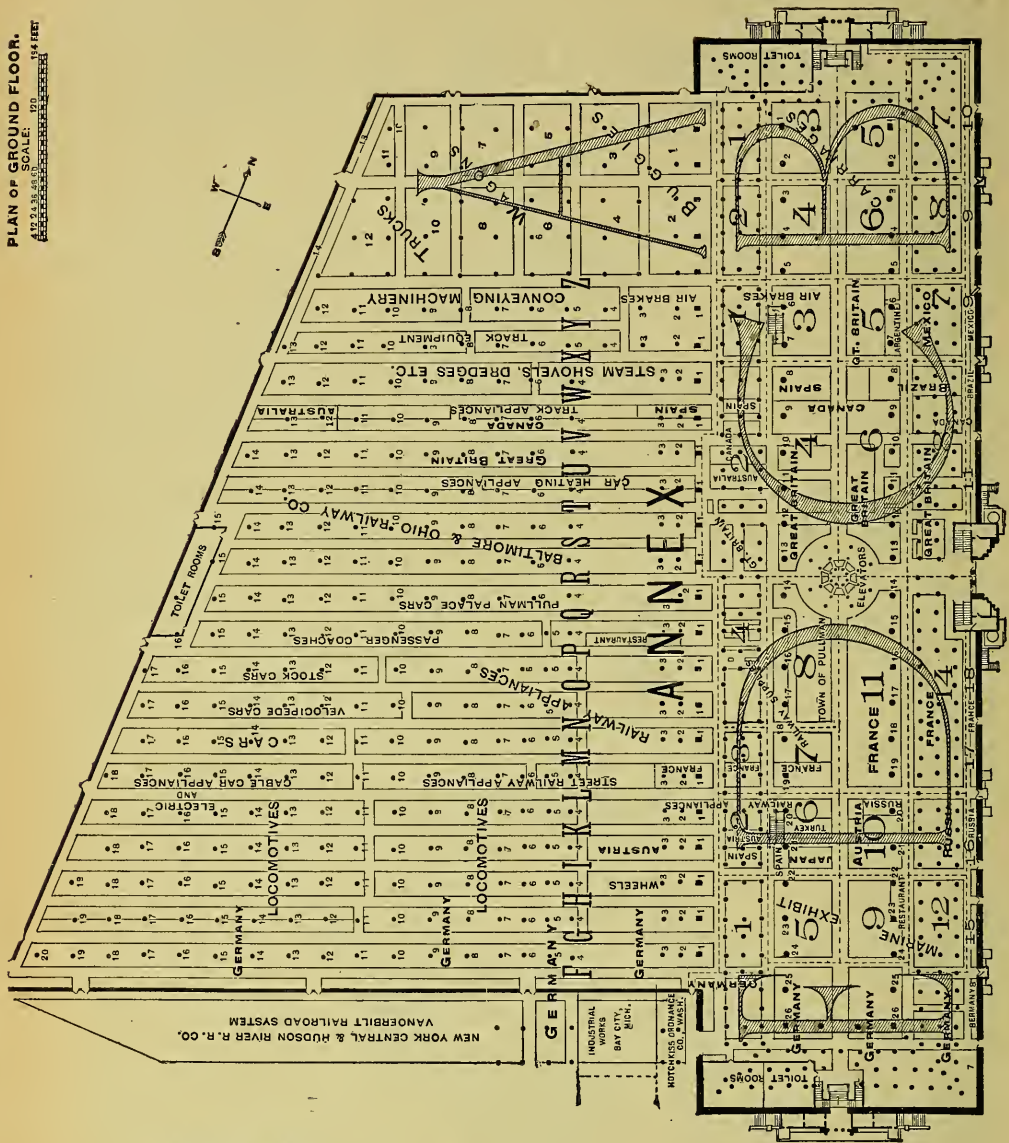
The main portion of the annex, from the English exhibit in Section U to the German exhibit in section G, is occupied by a vast collection of American cars, locomotives and railway appliances of every possible description, and a considerable portion of the main building is also devoted to railways.

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.

PLAN OF GROUND FLOOR.  
 SCALE: 1" = 40' 0"  
 1" = 10' 0"



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# INTERESTING EXHIBITS

— IN —

## Department G.—Transportation.

### UNITED STATES.

- | Exhibit No. | Location.   | Exhibit No. | Location.  |
|-------------|---|-------------|--|
|             | <b>Railways, Railway Plant and Equipment.</b>   | 106a.       | Illinois Central Railroad Co., Chicago. Locomotive (Mississippi) and tender, built in 1833 and strap rails on timbers. M-N-14  |
| 3.          | Adams & Westlake Co., Chicago. Railway car trimmings and lighting appliances. D-7-18  | 124.        | Krabel Palace Car Company, Cleveland, Ohio. Parlor, chair and sleeping coaches. P-N-10-15  |
| 17.         | Austin, F. C., Manufacturing Company, Chicago. Grader, ditcher, and wagon loader. A-10  | 130.        | Marion Steam Shovel Company, Marion, Ohio. Steam shovel, hoisting machinery and ballast unloader. W-N & X-S-4  |
| 19.         | Baldwin Locomotive Works, Philadelphia. Locomotives. K-N & K-S, 4 to 14; I-N-4-6; L-S-11  | 145.        | Morison, Geo. S., Chicago. Model of bridge. D-4 opp. 15  |
| 20.         | 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. R. N. S. & T. L-S-8&9 | 155.        | National Surface Guard Company, Chicago. Cattle guards. Y-S-8  |
| 31.         | Boyden Brake Company, Baltimore. Air brake equipments for cars and locomotives. X-N-1&3   | 161.        | New York Central & Hudson River Railroad Co., New York. a Section of the road bed and track, with views. N. Y. Cen. Ry. Building, south of annex. J-4 b Motive power and rolling stock. c Historical reproduction of first train run in state of New York. |
| 33.         | Brooks Locomotive Works, Dunkirk, N. Y. Locomotives. I-S-10 to 19; I-N-11 to 19   | 163.        | Northern Pacific Railroad Co., St. Paul, Minn. a Photos and maps. P-N-4 to 9 b Cars for exhibit of natural products.   |
| 36.         | Bucyrus Steam Shovel & Dredge Co., South Milwaukee, Wis. Shovels, buckets, models and photos. X-S-5 to 8  | 170.        | Old Colony Railroad Company, Boston. a Passenger locomotive, coach and coal car. b Locomotive built in 1858; passenger coach built in 1835. c Recently excavated frog of Quincy Granite Road, first railroad in the U. S.                                  |
| 49.         | Chicago & North-Western Ry. Company, Chicago. Locomotive "Pioneer," the first ever run in Chicago. H-S-19   | 175.        | Pennsylvania Railroad Company, Altoona, Pa. a Refrigerator, stock, freight and passenger cars. N-S-5 to 11 b Suburban station with foot bridge, etc. Penn. Ry. Bldg.   |
| 53.         | Clark E. Warren, Rockford, Ill. Locomotive, The "General," captured by "Andrew's Raiders." N-N-6&7  | 175a.       | Pennsylvania Steel Co., Steelton, Pa. Track supplies and bridge material. W-N-X-S-1-3  |
| 76.         | Eclipse Wind Engine Company, Beloit, Wis. a Railroad water station; track tools. (Outside north of Annex.) d Wrecking frog.   |             |  |
| 105.        | Hunt, C. W., Company, New York. Machinery for handling material. Y-N-8 & Z-S-8  |             |  |

INTERESTING EXHIBITS IN DEPARTMENT G.—TRANSPORTATION.

Exhibit No.	Location.	Exhibit No.	Location.
178.	Pneumatic Gate Company, Chicago. Railway gates for street crossings of R. R. tracks at grade and for the intersection of railroad tracks. Y-N & Z-10	337.	Buckeye Cart Co., Charleston, W. Va. Light pleasure vehicles. A-1
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	339.	Burg Wagon Co., Burlington, Iowa. Wagon. A-5
193.	Rodger Ballast Car Company, Chicago. Ballast distributing cars; section of track. W-N-10 to 12	355.	Columbus Buggy Co., Columbus, Ohio. a Light pleasure vehicles. B-5 b Carriage formerly belonging to President Polk. B-11 c Mexican ox-cart. d Japanese jinricksha.
224.	Thacher Car & Construction Co., New York. Automatic double-acting dumping car, operated by compressed air. X-S-3&4 & K-S-15	360.	Crane & Breed Manufacturing Co., Cincinnati. Hearses and funeral car. A-4
237.	Wagner Palace Car Company New York. Passenger equipment. N. Y. Cent. Ry. Bldg. J-4, south of Annex	381.	Empire Cross Spring Co., Janesville, Wis. Large pleasure wagons. A-4
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	384.	Featherstone, A., & Co., Chicago. Bicycles, children's carriages. F gal. 23
Street Car and Other Short Line Systems.		385.	Fenton, J. H., Co., Chicago, Stable accessories. A gal.
261.	Cook Elevated Electric Railroad, Chicago. Model of elevated electric double track railway. C-2-9	387.	Fish Bros. Wagon Co., Racine, Wis. a Lumber gear. A-7 b Heavy wagons.
264.	Elevated Suspension Electric Railway Company, Chicago. Model of electric suspension railway. A-14, over aisle	396.	Fulton & Walker Co. Philadelphia. Heavy wagons. A-3
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	403b.	Goodrich, John R., Milwaukee, Wis. Carriage formerly belonging to Daniel Webster. B-11
276.	Ludlow, Geo. M., Elgin, Ill. Model of electric car and track. O-N-17	404.	Gormully & Jeffery Manufacturing Co., Chicago. Bicycles and parts. F gal. 20
286.	Pullman Palace Car Company, Chicago. Street cars. R-S-11-14	413.	Hickory Wheel Co., Newton, Mass. a Sulkies. B-9 b Bicycles and parts. F gal. 25
Vehicles and Methods of Transportation on Common Roads.		416.	Hill, Thomas, Jersey City, N. J. Wagon, dumping cart. A-7
304.	Abrescñ, Chas., Milwaukee, Wis. Beer wagons. A-9	428.	Kentucky Wagon Manufacturing Co., Louisville, Ky. Wagons. A-10
315.	Austin, F. C., Manufacturing Company, Chicago. a Dump wagon. A-10 b Street sweeper.	433.	Knickerbocker Ice Co., Chicago. Ice and dump wagons. A-5
316.	Austin, Tomlinson & Webster Manufacturing Co., Jackson, Mich. a Farm wagon. A-3 b Village cart.	435.	Kimball, C. P., & Co., Chicago. a Pleasures carriages. B-4 b Speeding wagon. c Trotting sleigh. d Stable accessories.
330.	Brewster & Co., New York. a Light pleasure carriage. B-3 b Sleigh.	447.	McCullum Steel Wheel Wagon Company, Elgin, Ill. Steel wheel wagons. A-5
		449.	McIntosh Huntington Co., Cleveland, Ohio. Bicycles and parts. F gal. 26
		457.	Milburn Wagon Co., Chicago. Wagons, trucks. A-7
		460a.	Mitchell & Lewis Co., Racine, Wis. a Farm wagon. A-6 b Express wagons. c Light pleasure vehicles.
		462.	Moline Wagon Co., Moline, Ill. a Farm wagons. A-5 b Spring wagons.

INTERESTING EXHIBITS IN DEPARTMENT G.—TRANSPORTATION.

Exhibit No.	Location.
480. Overman Wheel Co., Chicopee Falls, Mass. Bicycles.	F gal. 10
484. Pope Manufacturing Co., Boston. Bicycles and parts.	F gal. 23
486. Racine Wagon & Carriage Co., Racine, Wis.	
<i>a</i> Wagons.	A-1&6
<i>b</i> Light pleasure vehicles.	
493. Rock Falls Manufacturing Co., Sterling, Ill. Hearsés and cars.	A-4
506. Schuttler & Hotz, Chicago.	
<i>a</i> Wagon and cart.	A-5
<i>b</i> Special purpose wagons.	
507. Sechler, D. M., Carriage Co., Moline, Ill. Light pleasure vehicles.	B-2
519a. Staver & Abbott Manufacturing Co., Chicago.	
<i>a</i> Road wagon.	B-3
<i>b</i> Coupe.	
<i>c</i> Four-in-hand coach.	
<i>d</i> Spider harness.	
526. Stone, C., & Sons, Chicago. Pleasure carriages.	B-4
527. Streich, A., & Bro., Oshkosh, Wis.	
<i>a</i> Trucks and carts.	A-10
<i>b</i> Special purpose wagons.	
<i>c</i> Log sled.	
528. Studebaker Bros. Manufacturing Co., Chicago.	
<i>a</i> Pleasure carriages.	B-6
<i>b</i> Sets of harness.	B-47
529. Studebaker Bros. Manufacturing Co., South Bend, Ind.	
<i>a</i> South American, Mexican and dump carts, wagons.	B-6—A-8
<i>b</i> Wagons for special purposes, platform trucks, sprinklers.	
<i>c</i> Wagonettes.	
<i>d</i> Wagon and sleigh specialties.	
538. Walborn & Riker, St. Paris, Ohio. Pony vehicles.	B-2
557b. World's Columbian Exposition—Ancient Transportation Illustrated by.	
<i>a</i> 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.	
<i>b</i> Replicas of bas-reliefs from ancient Etruscan tombs, showing chariots, etc.	F gal. 12-13
<b>Vessels, Boats—Marine, Lake and River Transportation.</b>	
575b. Acme Folding Boat Co., Miamisburg, Ohio. Folding canvas boats, canoes.	E gal. 26
584. Beaver-Webb, J., New York. Models of yachts.	E gal. 27

Exhibit No.	Location.
590a. Bucyrus Steam Shovel & Dredge Co., South Milwaukee, Wis.	W-N-4-8
<i>a</i> Models, photographs, etc.	
<i>b</i> Dredge buckets.	
604. Detroit Boat Works, Detroit, Mich.	
<i>a</i> Models of boats.	D-1-22
<i>b</i> Steam and electric launches.	
<i>c</i> Marine hardware.	
<i>d</i> Life boat and raft.	
608. Electric Launch & Navigation Co., New York. Electric launches (50). (In service on lagoons.)	
611. Essex Institute & Peabody Academy of Science, Salem, Mass.	
<i>a</i> Drawings of ships.	E gal. 33
<i>b</i> Photos of exhibits, nautical instruments.	
614. Gas Engine & Power Co., New York. Naphtha launches.	
D-5-22-23 and on lagoon.	
635. Maine Board of World's Fair Managers. Gun of H.B.M. brig "Boxer," 1812. Flag of U. S. S. "Enterprise," 1812.	E gal. 25
666. Rushton, J. H., Canton, N. Y.	
<i>a</i> Row and sail boats; canoes.	E gal. 31-32
<i>b</i> Fittings for small boats.	
678a. Straus, Samuel, Belleville, Ill. Model of "Santa Maria."	E gal. 26
<b>Naval Warfare and Coast Defense.</b>	
699. Bethlehem Iron Co., South Bethlehem, Pa. Armor, guns and forgings, ingots, torpedo.	K-N, L-8-J

**AFRICA.**

Location—F Gal.

2. French-Sheldon, Mrs. M., London, Eng. Madagascar palanquin and palanquin tent, etc., used by Mrs. Sheldon on her African expedition in 1891.
3. 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.

2. Canadian Pacific Ry. Co., Montreal. Photos and maps.
42. Canadian Pacific Ry., Montreal. Models of steamships.
46. English, Wm., Canoe Co., Peterboro, Ont. Canoes,

INTERESTING EXHIBITS IN DEPARTMENT G. TRANSPORTATION.

**FRANCE.**

Location—D, 3-7-11-14-17-18. Sec. M-S&L-N-1-3. Sec. C, SW gal. 26-43.

Exhibit No.

1. Carel Freres et Cie., Mans (Maine-et-Loire). Railway carriage, etc.
4. Campagnie de Fives-Lille pour constructions mecaniques et entreprises, Paris.
  - a French State standard locomotive.
  - b Brake apparatus. Photographs.
5. Compagnie du Chemin de fer du Nord, Paris.
  - a Photographs, plan of the station, maps of the line.
  - b High speed compound locomotive.
18. Societe Anoyme Industrielle des Etablissements Arbel, Rive de Gier. Axles and wheels for locomotives, forged pieces.
31. Guiet et Cie., Paris.
  - a Carriages.
  - b Harnesses.
38. Muhlbacher, L. G., Paris. Carriages.

**GERMANY.**

Location—Sec. E. Main Bldg.; Secs. F, G, 9 and one-half of H in Annex, from I 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.
15. Schichau, F., Elbing. Locomotive and tender.
16. Siemens & Halske, Berlin. Safety apparatus for railway systems.
20. Zypen von der & Charlier, Cologne-Deutz. Passenger railway coach; iron coal car; flat car.

**GREAT BRITAIN.**

Location—Sec. C. 2-4-6-8-11 & 5 Main Building. Sec. V-S & U-N-1-13 in Annex. Sec. B. in N. W. Gal. 9-26.

8. Great Western Railway Company, London.
  - a Rails. U-N-1-4 Annex
  - b Engine and vacuum brake.
  - c Views.
10. London & North-Western Railway Company, London. V-S-1-9
  - a Passenger locomotive and cars, models, boiler tube cutters, etc.

Exhibit No.

- b Signal apparatus.
- c Views of scenery, etc.
11. Midland Railway Company, Derby. U-N-6 Annex
  - a Photographs of passenger engines, carriages and appliances.
  - b Views of places.
12. Plymouth Works, Merthyr 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. S. & T. Annex
14. Westwood & Winby, London.
  - 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.
29. Laurie & Marnor, London.
  - a Dress coach used by the Lord Mayors 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 curricule.
  - f Model of old York mail, the first to run between London and York.
51. Cook, Thomas, & Son, London. Models illustrating travel in various countries and periods.
53. Cunard Steamship Company, Ltd., Liverpool. Models of Royal Mail steamships.
57. Fairfield Shipbuilding & Engineering Co., Ltd., London. Ship models and photos of ships and engines.
64. Joicey, Mrs., Stockfield-on-Tyne, Wales. Original Grace Darling life-boat. Contributions received for widows and orphans of seamen. Entrance Golden Door.
71. Thames Iron Works & Shipbuilding Co., Ltd., London.
  - a Models of ships and yachts.
  - b Models of tug boats, etc.
72. Thomson, J. & G., Ltd., Clydebank, Scotland. Models of steamers.

## INTERESTING EXHIBITS IN DEPARTMENT G.—TRANSPORTATION.

Exhibit  
No.

75. White Star Line, Liverpool.  
*a* Models of sailing ships.  
*b* Models of steamships.
78. Armstrong, Mitchell & Co., Ltd., Newcastle-on-Tyne. Half model of H. M. S., "Victoria;" full model of cruiser "25 de Mayo."

### INDIA.

1. Tellery, S. J. & Co., Calcutta.  
E gal. 40-43  
*a* Models of bullock carts.  
*b* Models of palanquins.  
*c* Models of elephant's trappings.
2. Tellery, S. J., & Co., Calcutta. Models of characteristic river and coast vessels and various water craft. E gal. 40-43

### 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.

Exhibit  
No.

- II. Sedan chair, style still used by ladies and others in Bogota, Colombia. Secured for the Exposition by Lieut. H. R. Lemley, U. S. A.

### RUSSIA.

Location—D, 10-16.

7. Markav, Mr.  
*a* Light pleasure carriages.  
*b* Sleighs, sleds, cutters, etc.

### SIAM.

1. Siamese Commission, Siam.  
*a* Models of bullock carts and other native vehicles. E gal. 26  
*b* Elephant howdah or saddle of carved ivory. C-5-7
2. Siamese Commission, Siam. Models of boats. E gal. 26

### SWITZERLAND.

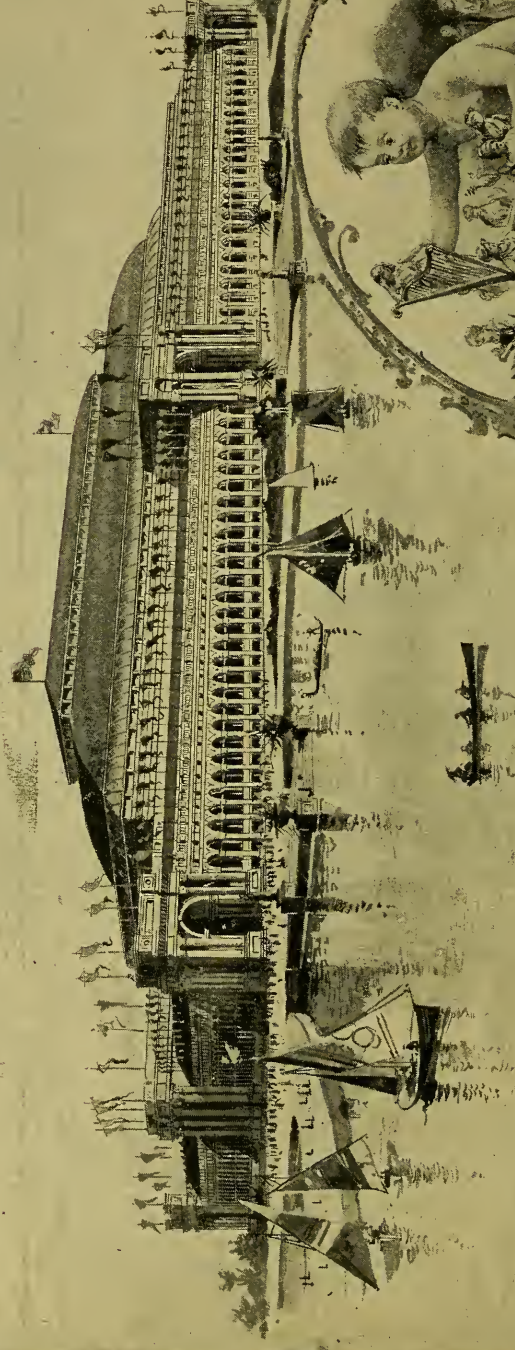
Location—North end of building, main floor.

1. St. Gothard Railway Co., Lucerne.  
Plastic maps and water color paintings of the St. Gothard Railway.

### 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

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g



*Manufactures and Liberal Arts*

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# 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.

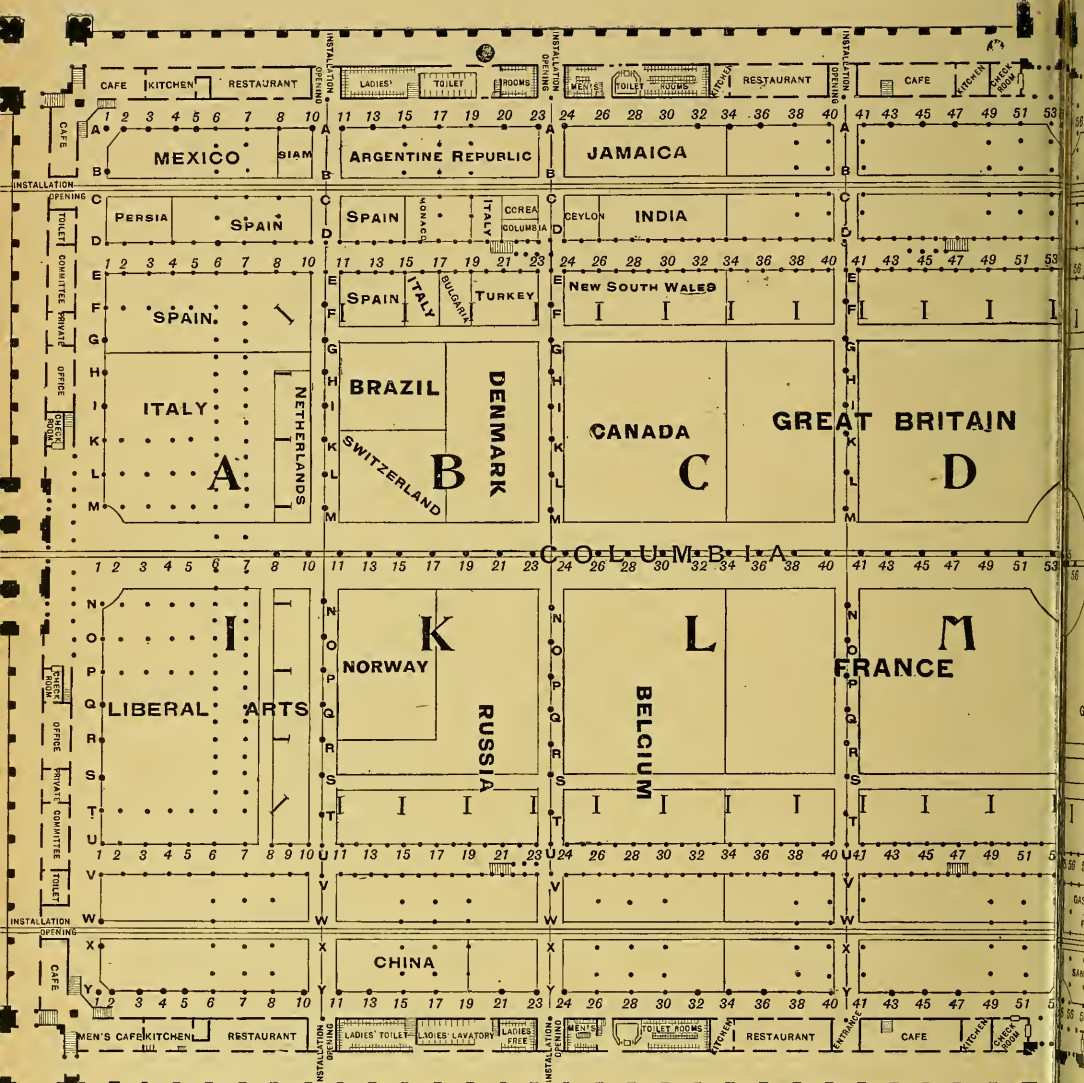
On reference to the diagram of the ground floor it will be seen that several of the exhibits by classified groups are given. Wherever they appear, that is the location of the group. The foreign countries, too, are marked on the plan where their exhibits are installed. As an aid to the diagram and an 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 1, 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-

ceptions Fabrics 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.

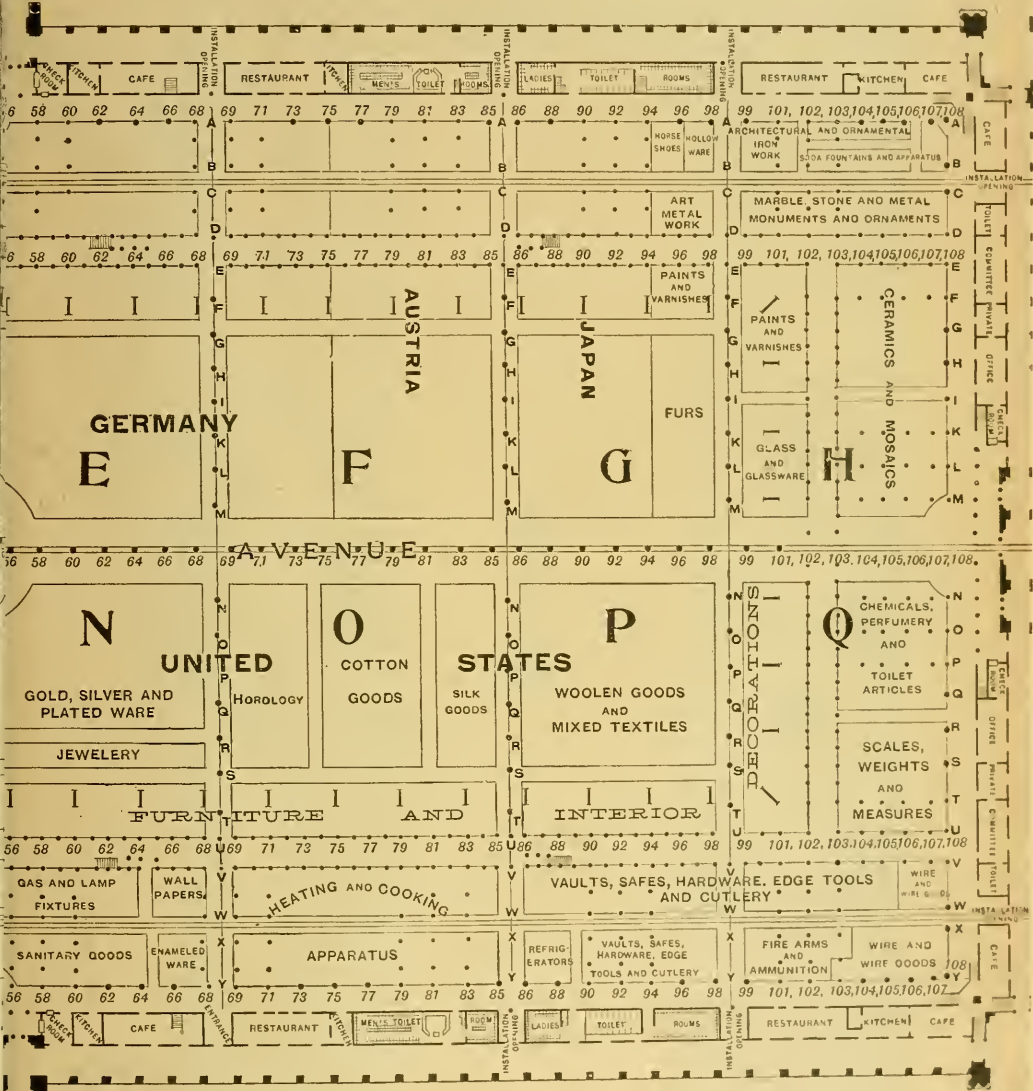
The collective exhibits of the New England Manufacturing Jewelers' Association is located in Sec. O-1 and that of the United States Potters' Association is located in Sec. Q-1. The Merchant Tailors' exhibit is installed in a special building situated on the lagoon, N. W. of the Fish and Fisheries Building 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.

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EAST



Front. Ground Floor Plan.

WORLD'S COLUMBIAN EXPOSITION.  
MANUFACTURES AND LIBERAL ARTS BUILDING.



# INTERESTING EXHIBITS

IN

## Department H.--Manufactures.

### 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.
6. Burnett, Joseph, & Co.,	Boston,
Flavoring extracts, perfumery and color pastes.	
15. Hotchkiss, H. G., Sons, Lyons, N. Y.	
Essential oils.	
17. Kirk, J. S., & Co., Chicago.	Soaps, perfumery and glycerine.
19. Ladd & Coffin, New York.	Perfumery, cologne and sachet powder.
20. Lazell, Dalley & Co., New York.	Perfumery.
26. Morgan, Enoch, Sons, New York.	Scouring soap.
29. Pennsylvania Salt Manufacturing Co., Philadelphia.	Alkalies and alkaline earth.
34. Ricksecker, Theo., New York.	Perfumery and toilet goods.
35. Roessler & Hasslacher Chemical Co., New York.	Chemicals.

#### 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
49. Gerts, Lumbard & Co., Chicago.	Paints, brushes, etc.	G-2
51. Heath & Milligan Manufacturing Co., Chicago.	Paints and supplies.	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.

69. Amberg File & Index Co., Chicago.	Letter files, copying and index books.	Gal. F-2
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Exhibit No.	Location.	
76. Brown, L. L., Paper Co., Adams, Mass.	Ledger and record paper.	Gal. F-10
77a. Caw's Pen & Ink Co., New York.	Fountain and stylographic pens and writing inks.	Gal. F-4
85. Crown Pen Co., Chicago.	Fountain and gold pens.	Gal. F-5
87. Dennison Manufacturing Co., Chicago.	Stationers' goods, tissue paper articles.	Gal. F-5
91. Dixen, Joseph, Crucible Co., Jersey City, N. J.	Pencils, models of graphite industry.	Gal. F-5
106. Mermod & Jaccard Jewelry Co., St. Louis.	Society stationery.	Gal. G-3
116a. Remington Typewriter, New York.	Typewriters and appurtenances.	Gal. F-2
122. Shattuck Pen Co., New York.	Gold pens, hard rubber fountain pen holders, and stationery specialties.	Gal. F-5
125. Smith Premier Typewriter Co., Chicago.	Typewriters and supplies.	Gal. F-2
135. Wyckoff, Seamans & Benedict, New York.	Typewriters and appurtenances.	Gal. F-2

#### Furniture of Interiors, Upholstery and Artistic Decorations.

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

138. Adams & Westlake Co., Chicago.	Brass bedsteads.	N-2
140a. Andrews, A. H., & Co., Chicago.	a Folding beds, chairs and school apparatus.	P-2
	b Office and bank furniture.	
142. Berkley & Gay Furniture Co., Grand Rapids, Mich.	Suites of furniture.	Q-1
143. Boughton, John W., Philadelphia.	Parquet floors, fret and grill work.	Q-1
144. Brunswick-Balke-Collender Co., Chicago.	Furniture for club, billiard and bar rooms.	Q-1

INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No.	Location.
145. Buffalo Brass & Iron Bedstead Co., Buffalo, N. Y.	Brass and iron bedsteads. N-2
154. Dibblee, Henry, Co., Chicago.	Furniture, mantels and decorations. N-2
155. Drake Co., St. Paul, Minn.	Petrified wood bric-a-brac. Q-1
156. Ehman & Simon Manufacturing Co., Chicago.	Wood mantels and interior finishing. P-2
156b. Ford, J. S., Johnson & Co., Chicago.	Furniture. P-2
158b. Grand Rapids Furniture Manufacturers' Collective Exhibit, Grand Rapids, Mich.	O-2
162. Herts Brothers, New York.	Furniture decorations and draperies. N-2
167. Indianapolis, Ind., Unified Furniture Exhibit.	O-2
169. Jansen, Ed., New York.	Interior decorations. N-2
171. Karpen, S., & Bros., Chicago.	Parlor furniture. O-2
175. Kochs, Theo. A., Chicago.	Barbers' supplies. P-2
178. Marks Adjustable Folding Chair Company, Chicago.	Folding chairs. P-2
182. National Wall Paper Co., New York.	<i>a</i> Wall papers. N-3 <i>b</i> Shade rollers. Gal. F
192. Richter, August F., Chicago.	Mirrors, picture frames and moldings. O-2
194. Rockford, Ill., Unified Furniture Exhibit.	O-2
195. Rothschild's, R., Sons Co., Cincinnati.	Bar-room equipments. Q-1
206. Whitcomb Metallic Bedstead Company, Birmingham, Conn.	Brass and iron beds and mattresses. N-2
207. Windsor Folding Bed Company, Chicago.	Folding beds, tables, chairs, etc. P-2

Ceramics and Mosaics.

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

216. Celoden Terra Cotta Company, Alfred Centre, New York.	Terra cotta tiles. H-1
226. Healey, M. & E., Washington, D. C.	Decorated china and chryso-ceramics. O-1
227. Hydraulic-Press Brick Co., St. Louis.	Collective exhibit of pressed brick. H-1
236. Northwestern Terra Cotta Company, Chicago.	Terra cotta. H-1
241. Pioneer Fire Proof Construction Company, Chicago.	Fire clay and terra cotta fire proofing. H-1

Exhibit No.	Location.
244. Rookwood Pottery Company, Cincinnati.	Artistic pottery. N-1
248. United States Potters' Association.	Collective exhibit. Q-1

Marble, Stone and Metal Monuments, Mausoleums, Mantels, etc. Caskets, Coffins and Undertakers' Furnishing Goods.

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

250. Barre Manufacturing Company, Barre, Vt.	<i>a</i> Granite monuments. <i>b</i> Granite fountains. <i>c</i> Granite mantels, etc.
254. Granite Manufacturers' Association of Quincy, Mass.	Granite monuments and artistic memorials.
258. Tiffany Glass & Decorating Co., New York.	<i>a</i> Marble monuments. N-1 <i>b</i> Marble ornaments <i>c</i> Marble mantels.
259. Vermont Marble Company, Proctor, Vt.	Rough and manufactured marble.

Art Metal Work—Enamels, Etc.

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

262. American Bronze Company, Chicago.	Bronze statues and castings. H-1
262a. Gorham Manufacturing Co., Providence, R. I.	<i>a</i> Bronzes. N-1 <i>b</i> Repousse and chiseled work, cloisonne enamels.
266a. Tiffany & Co., New York.	<i>a</i> Art metal work, engraved iron, etc. N-1 <i>b</i> Cloisonne enamels. <i>c</i> Champ leve enamels. <i>d</i> Niello work.
267. Western White Bronze Company, Des Moines, Ia.	Monuments, statuary, busts, medallions, etc. G-3

Glass and Glassware.

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

267a. Androvette, Geo. E., & Co., Chicago.	Cut glass ware. Gal. F-13
268. Diamond Plate Glass Company, Kokomo, Ind.	Plate glass. H-1



## INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No.	Location.
270. Libbey Glass Co., Toledo, Ohio.	Cut glassware. H-1
271. Macbeth, Geo. A., Co., Pittsburg, Pa.	Optical and lamp glasses. H-1
272d. U. S. Glass Co., Pittsburg, Pa.	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.

277. Healey & Millett, Chicago.	Stained glass. Gal. F-9
280. McCully & Miles, Chicago.	Stained glass windows and interior decoration. Gal. F-9&13
284. Wells Glass Company, Chicago.	Art stained and ornamental glass. Gal. F-10&13
285. Lund, Rud, Knoxville, Tenn.	Wood carving. P-2

### Gold and Silverware, Plate, etc.

Exhibits in this group are installed in Section N, Block 1, with one exception.

292. Benziger Bros., Chicago.	Catholic church supplies. N-1
299. Holmes & Edwards Silver Co., Bridgeport, Conn.	Silver-plated ware. N-1
301. Meriden Britannia Company, Meriden, Conn.	Silver-plated ware. N-1
302. Mermod & Jaccard Jewelry Co., St. Louis.	a Silverwares. O-1 b Diamond jewelry.
304. Pairpoint Manufacturing Co., New Bedford, Mass.	Silver-plated ware. N-1
305. Rogers, Wm., Manufacturing Company, Hartford, Conn.	Silver, gold and silver-plated ware. N-1
306. Rogers & Bro., Waterbury, Conn.	Silver-plated ware. N-1
307. Tiffany & Co., New York.	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 incrustated 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.
332. Kent & Stanley Co., Providence, R. I.	Jewelry. O-1
334. New England Manufacturing Jewelers' Association of Providence, R. I.	Collective exhibit. Sec. O-1

### Horology, Watches, Clocks, etc.

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

350. American Waltham Watch Company, Waltham, Mass.	Watch movements and automatic watch making. O-1
351. Ansonia Clock Company, Chicago.	Clocks. O-1
361. Keystone Watch Case Company, Philadelphia.	Watch cases. O-1
364. Self-winding Clock Company, New York.	Self-winding clocks and method of time distribution by electricity. N-1
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.

370. Belding Bros. & Co., Chicago.	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.
379. Empire Silk Company, New York.	Silk dress goods.
392. Nonotuck Silk Company, Chicago.	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 I, except those in P-1, and Gallery F.

Exhibit No.	Location.
429.	Eddystone Manufacturing Company, Philadelphia. Cotton fabrics.
434.	Glasgo Lace Thread Company, Glasgo, Conn. Thread for fancy work.
450.	Manville Company, Providence, R. I. Cotton piece goods.
463.	Ponemah Mills, Providence, R. I. Fancy cotton goods, white and printed.
469.	Star & Crescent Mills Co., Philadelphia. Pile fabrics; cotton and linen toweling.

**Woven and Felted Goods of Wool and Mixtures of Wool.**

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

565.	Sanford Mills, Sanford, Me.
a	Kerseys.
b	Carriage robes, rugs and horse-blankets.
c	Furniture and car plushes, etc.

**Clothing and Costumes.**

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

619.	Davis Sewing Machine Company, Chicago. Sewing machines.	Gal. G-1
624.	Domestic Sewing Machine Company, Chicago. Sewing machines.	Gal. G-2
627.	Earl & Wilson, New York. Men's collars and cuffs.	Gal. G-6
637.	Gage-Downs Company, Chicago. Corsets.	Gal. G-4
645.	Haynes, N. B., Company, Chicago. Millinery.	Gal. G-5
653.	Jaeger's Dr. Sanitary Woolen System Company, New York. Knit goods, hosiery, etc.	P-1
659.	Jaros Hygienic Underwear Co., New York. Woolen underwear.	P-1
662.	Knox, E.M., New York. Hats.	Gal. G-7
665.	Lewis Knitting Company, Janesville, Wis. Woolen underwear, knit goods, hosiery, etc.	P-1
679.	New Home Sewing Machine Company, Orange, Mass. Sewing machines.	Gal. G-2
693.	Self-Threading Sewing Machine Co., New York. Sewing machine attachment.	Gal. G-5

Exhibit No.	Location.	
698.	Singer Manufacturing Company, New York. Sewing machines.	Gal. G-2
706.	Strawbridge & Clothier, Philadelphia. Costumes and wraps.	Gal. G-5
713.	Wachsmuth, L. C., & Co., Chicago. Ready-made clothing.	Gal. G-10
722.	White Sewing Machine Company, Cleveland, Ohio. Sewing machines.	Gal. G-2
723.	Wilde, James, Jr., & Co., Chicago. Men's, boys' and children's clothing.	Gal. G-9
727.	Worcester Corset Company, Worcester, Mass. Corsets.	Gal. G-5

**Furs and Fur Clothing.**

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

730.	Burkhardt, A. E., Company, The Cincinnati.	Furs, cloaks.	
731.	Gunther's C. G., Sons, New York.	Furs and skins, stuffed animals.	
732.	Liebcs, H., & Co. (Inc.), San Francisco.	Manufactured furs.	
733.	Shayne & Co., Chicago.	Furs, fur garments and pelts.	
735.	Wolf & Perolat, Chicago.	Furs and garments, mounted animals.	
786.	Tiffany & Co., New York.	Jade fan and ostrich feather fans.	N-1

**Hair Work, Coiffures and Accessories of the Toilet.**

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

811.	Palmetto Fibre Company, Chicago.	Brushes.	Gal. F-1
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**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.

813.	DeMuth, Wm., & Co., New York.	a Smokers' articles.	O-1
		b Walking canes.	
816.	Hirsh & Bro., Philadelphia.	Umbrellas and parasols.	Gal. G-10
822.	Wilt, Chas. T., Chicago.	Travelers' equipments.	Gal. G-8

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

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

823.	American Rubber Co., Boston.	Mackintoshes, rubber and oil clothing.	Gal. G-13
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INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit No. 826. India Rubber Comb Company, New York. Hard and soft rubber goods. Gal. G-13

Toys and Fancy Articles.

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

834. Jansen, Ed., New York. Fancy baskets. Gal. G-2

Scales, Weights and Measures.

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

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

847. Fairbanks, E. & T., Co., St. Johnsbury, Vt. Scales, weights and measures.

854. Thomson Meter Company, Brooklyn, N. Y. Water meters.

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.

861. Colt's Patent Fire-arms Manufacturing Company, Hartford, Conn. Fire-arms. Q-3

867. Remington Arms Company, Ilion, N. Y. Fire-arms. Q-3

868. Smith & Wesson, Springfield, Mass. Revolvers. Q-3

869. Union Metallic Cartridge Company, Bridgeport, Conn. Metallic ammunition. Q-3

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 3.

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

875. Globe Light & Heat Co., Chicago. Street lamps, gas and electric fixtures, reflectors and heating specialties. N-3

877. Rochester Lamp Company, New York. Lamps. 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. 883. American Radiator Company, Chicago. Steam and water radiators. O-4

890. Chicago Stove Works, Chicago. Ranges and stoves. O-4

891. Clark, George M., & Co., Chicago. Gas and gasoline stoves. O-3

894. Co-operative Foundry Co., Rochester, N. Y. Stoves and heaters. N-4

896. Cribben, Sexton & Co., Chicago. Stoves and ranges. 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

925. Michigan Stove Co., Detroit, Mich. Stoves and ranges. O-4

932. Peninsular Stove Co., Detroit, Mich. a Furnaces. O-4

b Stoves, ranges.

935. Rathbone, Sard & Co., Chicago. Stoves and ranges. O-4

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. P-4

957. Chapman Manufacturing Co., Meriden, Conn. Hardware specialties. P-3

962. Iron Clad Manufacturing Co., New York. Enameled ware; milk cans. N-4

965. Lippincott, Chas., & Co. Philadelphia. Soda water apparatus. H-3

966. Low Art Tile Co., Chelsea, Mass. Soda fountain. H-3

967. Matthew, John, Apparatus Co., New York. Soda water apparatus. H-3

973. Sperry, D. R., & Co., Batavia, Ill. Cooking utensils. G-4

975. Tufts, Jas. W., Boston. Soda water apparatus. H-3

978a. Wickes Refrigerator Co., Chicago. Cooling room. H-3

979a. Zwietusch, Otto, Milwaukee, Wis. Soda water and dispensing apparatus. H-3

INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

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.

Exhibit No.	Location.
983. Gilbert & Bennett Manufacturing Co., Chicago. Wire goods.	Q-3
984. Roebbling's, John A., Sons Company, Chicago. Wire of all descriptions.	Q-2
985. Translucent Fabric Co., Clinton, Mass. Translucent fabrics for windows and transoms.	Q-3
988. Washburn & Moen Manufacturing Co., Worcester, Mass. Wire of all kinds.	Q-3

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.

989. Barnum, E. T., Detroit, Mich. Wire and iron work.	H-4
999. Northwestern Horse Nail Manufacturing Co., Chicago. Horseshoes and nails.	G-4
1001. Putnam Nail Co., Boston. Horse-shoe nails.	G-4
1006. Winslow Bros. Co., Chicago. Ornamental iron.	H-3

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.

1007. American Screw Co., Providence, R. I. Screws, bolts, rivets, etc.	P-3
1019a. Capewell, G. J., Hartford, Conn. Hammer and nail puller.	P-4
1021a. Check-Controlled Lock Co., Cleveland, Ohio. Check controlled lock.	P-4
1024. Clauss Shear Co., Fremont, Ohio. Shears, scissors and knives.	P-3
1030. Geneva Tool Co., Geneva, Ohio. Hand farming and garden tools.	P-4
1035. Herring-Hall-Marvin Co., Cincinnati. Vaults, safes, locks, etc.	Q-2
1044. Maydole, David, Hammer Co., Norwich, N. Y. Hammers.	P-4
1052. Nicholson File Company, Providence, R. I. Files and rasps.	P-3
1055a. Plumb, Fayette R., Philadelphia. <i>a</i> Hammers, sledges, etc.	P-3
<i>b</i> Edge tools.	P-3

Exhibit No.

1058. Russell & Erwin Manufacturing Co., New Britain, Conn. Hardware; house furnishing goods. Q-2

Plumbing and Sanitary Materials.

Exhibits in this group are installed in Section N, Block 4.

1067. Alberene Stone Company, New York. Sanitary and plumbing specialties.
1079. Peck Bros. & Co., Chicago. Brass work for plumbers, etc.
1080. Randolph & Clowes, Waterbury, Conn. Copper range boilers and brass kettles.
1082. Standard Manufacturing Company, Pittsburg, Pa. <i>a</i> Bath tubs, hollow ware. <i>b</i> Plumbers' iron ware and sanitary goods.

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.

1095. Diamond Match Company, Chicago. Matches.	Gal. F-1
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AUSTRIA.

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

15. Chivalla, Rud & Sohn, Vienna. <i>a</i> Portieres. <i>b</i> Stove screens.
24. Schmitt, Ludwig, Vienna. Furniture.
25. Thonet, Gebrueder, Vienna. Furniture of bent wood.
46. Wahlliss, Ernest, Vienna. <i>a</i> Specialties in Vienna porcelain. <i>b</i> Perforated fayance. <i>c</i> Fine art pottery.
57. Schwarz, Anton, Vienna. Art metal work.
62. Goldberg, Karl, Haida (Bohemia). Decorated glass goods.
68. Lobmeyr, J. & L., Vienna. Fancy glassware.
77. Wagner, Franz, Ulrichsthal-Meistersdorf (Bohemia). Fancy glassware.
80. Amber Turners of Vienna. Collective exhibit: Amber and meerschaum work.
99. Scheid, G. A., Vienna. Silverware and jewelry.
169. Traub & Strauss, Vienna. <i>a</i> Fans. <i>b</i> Trimmings.

INTERESTING EXHIBITS IN DEPARTMENT H. — MANUFACTURES.

Exhibit  
No.

185. Wuerzel, M., & Soehne, Vienna.  
*a* Leather fancy goods.  
*b* Traveling equipments.

**BELCIUM.**

Location—Sec L, Blocks 1-2-3-4.

23. Rosel, F., Brussels.  
*a* Furniture.  
*b* Draperies.
25. Société Anonyme des Glaces de Charleroi, Roux. Beveled mirrors.
29. Boch, frères, La Louvière.  
*a* Porcelain table ware.  
*b* Tiles.  
*c* Mural decorations.
- 31a. Pollard, J., Brussels. Terra cotta ware for decorative purposes.
37. Vandonck, Louis, Brussels. Art bronzes.
51. Houy, C., Brussels. Silverware.
77. Dutoit & Co., Brussels. Corsets.
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.
88. Société Anonyme "La Fourrure," Alost. Furs and skins.
106. Heuse-Lemoine, E., Nessonvaux. Gun barrels.
109. Pieper, Henri, Liège.  
*a* Military fire-arms.  
*b* Sporting fire-arms.
124. Société anonyme des usines et fonderies de zinc de la Vielle-Montague, Angleur. Samples of roofing.

**CANADA.**

Location—Secs. B & C, Block 1.

13. Cobban Manufacturing Co., Toronto.  
*a* Bamboo furniture.  
*b* Mantels.  
*c* Moldings.
20. Pigot & Bryan, London, Ont. Decorated china and earthenware.
28. Basso, Michael, Toronto. Silk reeled from cocoon.
29. Belding, Paul, & Co., Montreal.  
*a* Silk thread.  
*b* Ribbons.
30. Corticelli Silk Co., St. Johns, P. Q. Spool silks.
31. Canadian Colored Cotton Mills Co., Montreal. Cotton fabrics.

Exhibit  
No.

44. Coaticook Knitting Co., Coaticook Que. Underwear.
50. Slater, Geo. T., & Sons, Montreal. Boots, shoes and slippers
51. Sandford, W. E., & Co., Hamilton, Ont. Ready-made clothing.

**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, Don.  
*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.
11. Meyer, E., Copenhagen. Lacquer work
12. Plum, Chr. & Vaid., Copenhagen. Dining room furniture.
16. Budde-Lund, C., Copenhagen. Terra cotta work.
25. Royal Porcelain Manufacturing Company, Copenhagen. Porcelain.

INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit  
No.

41. Ernst, Soren, Copenhagen. Carved screen with painting.  
66. Trolle, C. A., Copenhagen.  
*a* Furs and skins.  
*b* Fur clothing.

**FRANCE.**

Location—Sec. H and Secs. M and L,  
Blocks 1-2-3-4.

19. Klotz, Victor, Maison Pinaud, Paris. Perfumery and soaps.  
30. Rigaud et Cie., Paris. Perfumery.  
84. Alavoine, L., et Cie., Paris.  
*a* Furniture.  
*b* Tapestry.  
*c* Wainscoting.  
*d* Artistic objects.  
*e* Embroidery.  
88. Berchoud, P. L., Paris. Furniture covered with tapestry and Savonnerie velvet.  
91. Boison, Jules, Paris. Bedroom furniture.  
98. Clair, Maxime, Paris.  
*a* Hangings, etc.  
*b* Fancy furniture.  
99. Damon, A., et Colin, Paris. Drawing room.  
100. Dienst, Eugene, Paris. Artistic furniture.  
112. Quignon, Gustave, Paris. Furniture etc.  
118. Sormani Paul, Paris. Furniture with bronze ornaments.  
138. Manufacture Nationale de Sevres, Sevres (Seine-et-Oise). China.  
139. Muller, E., et Cie., Yvry-Port, pres Paris (Seine). Ornamentation in terra cotta and sandstone.  
142. Brunot et Bracony, Paris. Marble and terra cotta ornaments.  
140. Bouquet, Paris. Bronzes polychrome geolithe.  
164. Millet Pere et Fils, Blaise et Theodore, Paris. Furniture and artistic bronzes  
168. Peyrol, H., Paris. Art metal work  
169. Pinedo, Emil, Paris. Art meta. work.  
175. Thiebaut Freres, Paris. Art metal work.  
190. Christoffe et Cie., Paris. Plated ware.  
194. Vever, Paris.  
*a* Gold and silver ware.  
*b* Enameled ware.  
197. Boucheron, Frederic, Paris. Jewelry, etc.  
281. Lamy et Giraud, A. et A., Paris. Furniture silks.

Exhibit  
No.

300. Saurel Freres, Nimes (Gard). Upholstery silks.  
368. Balsan Freres, Millau (Aveyron). Kid gloves.  
376. Centemeri, P., et Cie., Grenoble (Isere). Kid gloves.  
378. Charvet, Paris. Men's underclothing.  
391. Jay, E. et S., Grenoble (Isere). Kid-skin and suede gloves.  
405. Morin - Blossier, Paris. Dresses, mantles, underclothing.  
416. Rouff, Paris. Dresses and mantles.  
420. Terray, A., Chaix et Cie., Grenoble (Isere). Gloves.  
424. Weil, Albert, Paris. Ready-made garments for ladies.  
426. Chapal, Paris. Peltry, furs.  
430. Lafrique et Pinton, Paris. Furs.  
432. Revillon Freres, Paris.  
*a* Furs.  
*b* Fur clothing.  
440. Biais aine et Cie., Paris. Artistic embroidery.  
447. Chambre Syndicale des Fabricants de dentelles de Calais, Calais Pas-de-Calais. Tulles and laces.  
458. Ducollet Freres, Paris. Fans.  
465. Manufacture Nationale de Beauvais, Beauvais Oise. Tapestries.  
466. Manufacture Nationale des Gobelins, Paris. Tapestries.  
472. Reichenbach, Arnold, et Cie., Paris.  
*a* Laces.  
*b* Embroidery.  
473. Rocheron, Leon, Paris. Gold, silver, jet embroidery.  
476. Saunier, E. E., Paris, Embroidery.  
478. Waree, A., Paris. Artistic hand-made curtains and gupures.  
481. Gauchot, L. L. Paris. Brushes.  
484. Maurey-Deschamps, Paris. Brushes and combs.  
497. Hutchinson et Cie., Paris. Wrought India rubber.

**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.  
148. Harrass, B., Boehlen, Thuringen and Berlin. Artistic wood work.  
154. Hoffmann, Robert, Dresden. Furniture.  
203. Steinmetz, Jos., Munich. Sideboard, carved and gilded drawing-room furniture.

INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit  
No.

244. Porzellan Manufactur, Hgl., Prussische, Berlin, Charlottenburg. Household and fancy articles of porcelain.
- 246a. Royal Saxon Porcelain Manufacturers, Meissen, Saxony. Fine porcelain goods of all kinds.
259. Arndt & Markus, Berlin. Bronze articles, art castings.
290. Schuls, Otto, Berlin. Majolica articles mounted in bronze and zinc.
294. Stotz, Paul, Stuttgart. Art objects of bronze, iron casting.
298. Wichart, T., Munich. Embossed copper ware.
353. Deseel, Anton, Munich. Wood carving.
416. Rosenau, Simin, Kissengen. Silver and gold ware.
429. Wollenweber, Eduard, Munich. Goblets, coffee and tea sets, etc.
493. Beha, Joh. B., & Soehne, Gisenach Cuckoo and musical clocks.
541. Reimann & Meyer, Elberfeld. Mat-lassé and silk.
588. Giesberg, Franz, Alt Chemnitz. Mohair plush.
602. Kock & te Kock, Oelsnitz, i-v. Carpets.
781. Hulbe, Georg, Berlin and Hamburg. Leather articles.
782. Hulbe, Georg, Hamburg. Leather goods.
832. Krauth, Daniel, Sen., Munich. Artistic case of walnut wood.
841. Reutlinger, M., & Co., Karlsruhe. Two artistic cases.
960. Henckels, J. A., Solingen, Germany. Cutlery.

**GREAT BRITAIN.**

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

1. Alexander, James, & Co., Ltd., London. Soaps, cosmetics and perfumery.
3. Atkinson, J. & E., London. Perfumery and toilet preparations.
8. Burroughs, Wellcome & Co., London.  
*a* Pharmaceutical preparations.  
*b* Medicine chests and cases.
9. Calvert, F. C., & Co., Manchester.  
*a* Carbolic acid; sanitary and pharmaceutical preparations.  
*b* Soaps and toilet preparations.
16. Gosnell, J., & Co., London. Toilet powder and soap, tooth paste and perfumery.
25. Pain, James, & Sons, London. Fireworks, ship signals and illuminations.

Exhibit  
No.

27. Pears, A. & F., Ltd., London. Toilet soap.
33. United Alkali Company, Ltd., Liverpool. Bleaching powder, salts, ammonia, etc.
54. Gillott, Joseph, & Sons, Birmingham. Pens.
61. Woollams, Wm., & Co., London. Wall and ceiling papers.
65. Davis, W. H., & Co., Birmingham. Brass and iron bedsteads.
68. Hampton & Sons, London. Reproduction in carved oak, of the banquet hall of Hatfield House, the seat of the Marquis of Salisbury.
69. Hoskins & Sewell, Birmingham. Metallic bedsteads.
70. Johnstone, Norman & Co., London.  
*a* Dining table.  
*b* Carved panels.
75. Winfields, Ltd., Birmingham. Brass bedsteads, cot and lectern.
77. Ault, William, Burton-on-Trent. Artistic pottery.
78. Brown-Westhead, Moore & Co., T.C., Cauldon Place. China and earthenware.
80. Daniell, A. B., & Sons, London.  
*a* Porcelain, pâte-sur-pâte, etc.  
*b* Earthenware, stone china, etc.
81. Doulton & Co., London.  
*a* Stoneware and ceramic wall decorations, Doulton ware.  
*b* China and earthenware.
82. Gibson & Sons, Burslem. Rockingham ware.
84. Grainger, George, & Co., Worcester. Porcelain and other wares.
86. Maw & Co., Ltd., Jackfield. Tiles, mosaics and architectural faience pottery.
88. Moore Bros., Longton. China ware and pâte-sur-pâte decorations.
90. Worcester Royal Porcelain Company, Ltd., Worcester.  
*a* Tea, breakfast and dessert services in china.  
*b* Porcelain articles.
106. Mappin Brothers, London.  
*a* Louis Seize toilet service, presentation and testimonial pieces, salts and perfume bottles.  
*b* Cutlery, fish sets, dessert sets, etc.  
*c* Dressing and traveling bags for ladies and gentlemen.  
*d* Electro-plated dishes, tea and coffee services, claret jugs, etc.
108. Diamond Cutting Company, London. Diamonds.

INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit  
No.

119. Courtauld, Samuel, & Co., Ltd., London. Silk crapes, silk gauzes, silk fabrics and costumes of same.
120. Barbour, William, & Sons, Ltd. Lisburn, Ireland. Linen and shoe threads, gilted threads and nets.
142. King, John & Son, Glasgow. Scotch window Hollands.
143. Lindell, William, & Co., London. Linen damasks, table cloths, napkins, towels, sheetings and shirtings.
146. Richardson, J. N., Sons, & Owden, Ltd., Belfast. Linen, sheeting, handkerchiefs, toweling, etc.
152. Bartrum, Harvey & Co., London.  
*a* Woolen goods.  
*b* Worsted goods.
167. Priestley, B., & Co., Idle.  
*a* Dress fabrics and cloaking.  
*b* Shawls.
173. Yates & Co., Ltd., Wilton. Axminster carpets.
197. Milward, Henry & Sons, Ltd., Redditch. Needles.
200. Peach, Samuel, & Sons, Nottingham. Nottingham lace curtains.
219. Lancaster, Charles, London.  
*a* Military pistols.  
*b* Sporting rifles and guns.
220. Scott, W. & C., & Son., Birmingham. Sporting guns.
228. Wostenholm, George & Son., Ltd., Sheffield. Knives, table cutlery, razors and scissors.
229. Milward, Henry, & Sons, Ltd., Redditch. Fish hooks and fishing tackle.

**INDIA.**

Location—Sec. C, Block 3.

5. De Forest Lockwood, Ahmedabad. Complete room in carved teakwood.
11. Ardeshir & Bryamji, Bombay.  
*a* Carved sandalwood boxes and blackwood furniture.  
*b* Ivory inlaid boxes and carved ivory figures.
14. Ardeshir & Bryamji, Bombay.  
*a* Silver jewelry.  
*b* India silver and silver inlaid on metal ware.
37. Bhungara Framji, P., & Co., Bombay.  
*a* Fans and handscreens.  
*b* Embroideries in silk, gold and silver; tinsel cloth.  
*c* Curtains.

**ITALY.**

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

Exhibit  
No.

18. Anti Bros., Nicenza. Furniture.
22. Besarel Bros., Venice. Furniture.
39. Mora Bros., Milan. Furniture.
42. Poghani, Ferdinando, Milan. Artistic furniture.
52. Tenca & Co., Milan. Mirrors.
56. Zanetti, Antonio, Nicenza. Furniture.
60. Bazzanti & Son, Florence. Mosaics.
62. Cacciapuoti, Effiore & Guglielmo, Naples. Ceramic art.
63. Cantagalli, Ulisse, Florence. Pottery.
67. Fabri, Pio, Rome. Majolica.
108. Testori, Giuliano, Turin. Bronzes.
192. Jesurum, M. & Co., Venice.  
*a* Laces.  
*b* Embroideries.

**JAMAICA.**

Location—Sec. C, Block 4.

7. Newbold, S., Late of Turk's Island. Inlaid mahogany table.
12. Falmouth District Prison, Falmouth. Cocoonut coir mats, etc.
19. Senior, Robt., Trinityville. Bamboo hats.

**KOREA.**

Location—Sec. B, Block 3.

26. *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 3d 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.

8. Hermosillo, Juan, Tonalá, Jalisco. Pottery.
88. Porigue, Camilo, San Pedro, Tlaquepaque, Jalisco. Ceramic goods.
124. Hernandez, Miguel, Guadalajara, Jalisco. Galloon work, fringes and cording.
168. Oaxaca, State Government.
- 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, Queretaro. 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.
9. Van Linschoten, G. J., Kralingen. Imitations of wood and marble.

### NEW SOUTH WALES.

Location—Secs. B and C, block 1.

13. Commissioners for New South Wales, Sydney.
- a* Occasional tables in colonial woods.
- b* Dining-room suit of black bean, bedroom suit of beach, library suit of cedar, and hall-stand of colonial rosewood.
- c* Doorway of colonial black bean.

Exhibit  
No.

14. Heiron & Smith, Sydney. Billiard table, cabinet, cue rack and cues, all of colonial woods, and ivory billiard balls.
16. Shakespear, Mrs. Elizabeth, Blayney. Picture frame decorated with nuts and seeds.
22. Sunderland, William, Yass. Collection of tanned fur skins, chiefly of indigenous animals of the colony.

### NORWAY.

Location—Sec. K, Block 1.

9. Hansen, Frida, Christiania. Pictorial hanging.
12. Anker, Christian, Fredrikshald.
- a* Wainscoting and slabs.
- b* Fire places and columns.
28. Skaalveit, Guthorm, North Hardanger. Wood carvings.
33. Andersen, David, Christiania.
- a* Giltenameled coffee servicees; 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.
45. Bekhus, Johanne, Rawland, Telemarken. Home-woven rug.
74. Hagen, L. H., & Co., Christiania.
- 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.

29. Russian Treasury Bureau of Engraving and Printing. Printing paper.
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.
37. Meltzer, Th. & Co., St. Petersburg.
- a* Chairs, etc.
- b* Mirrors.

## INTERESTING EXHIBITS IN DEPARTMENT H.—MANUFACTURES.

Exhibit  
No.

38. Posse, St. Petersburg. Gilt frames.
42. Kuznetsov, Moscow.
  - a China crockery.
  - b Porcelain.
48. Imperial Peterhof Works, Peterhof. Stone fountains, etc.
57. Werfel, St. Petersburg. Bronzes.
58. Frolov, St. Petersburg. Images in mosaic.
62. Krizer, Riga. Image-stand.
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. Sanojnikov, 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.
138. Tupalov, Government of Kostroma. Small wood carving.
149. Olovianishnikov, Jaroslav. Bells.
151. Samgin, Moscow. Bells.

### SIAM.

Location—Sec. A, block 3.

2. Elephants' tusks, plain and carved, buffalo horns, deer antlers, wild cows' horns, rhinoceros' horns, ceroulus' 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, pythons, 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.
87. Guisasola y Gaviola, Felipa, Madrid. Damascened steel watch cases.
117. Sert, Hermanos e Hijos, Barcelona. Carpets; tapestry and woolen goods.
155. Torrella, Hermanos, Barcelona. Embroideries.
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.
47. Bachmann, L., Geneva. Watches.
68. Jacoby & Cie, Geneva. Watches.
82. Patek, Philippe, & Cie, Geneva. Watches.

# LEATHER AND SHOE TRADES BUILDING.

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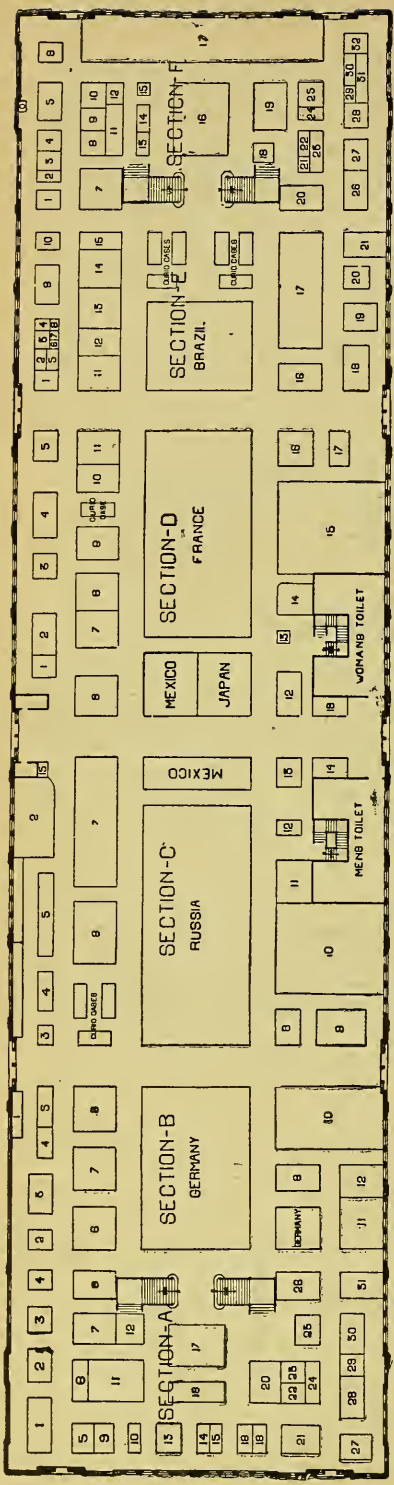
## HOW TO FIND EXHIBITS.

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.

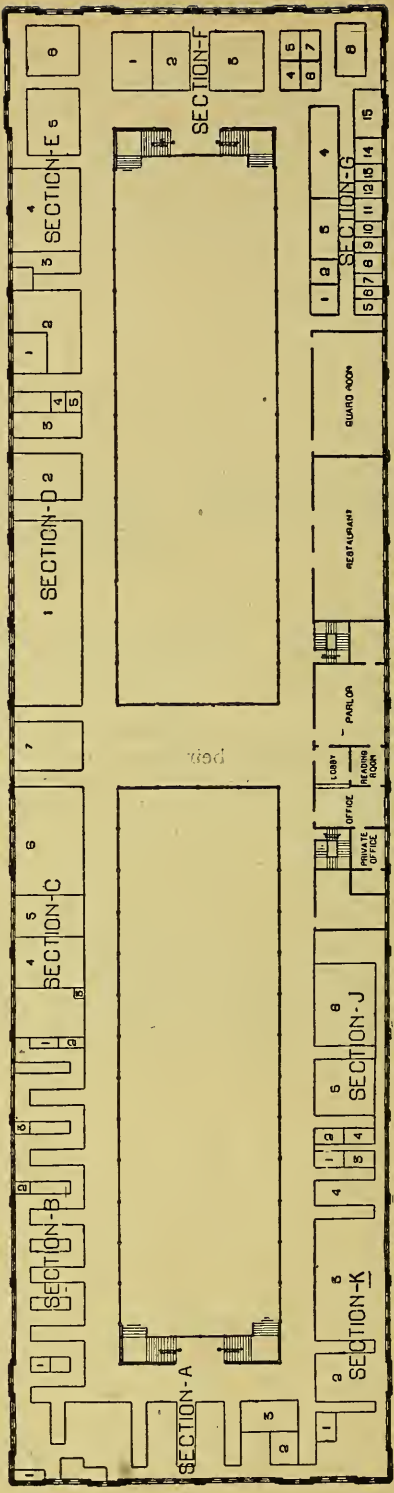
The building contains all the domestic exhibits of leather, boots and shoes, rubber boots and shoes and of the allied trades also the exhibit of leather in all forms, from all the foreign countries, among them being France, Germany, Russia, Uruguay, Japan, Mexico and Brazil.

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.



FIRST FLOOR.



SECOND FLOOR

LEATHER & SHOE TRADES BUILDING  
 WORLDS COLUMBIAN EXPOSITION

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 CHICAGO

# INTERESTING EXHIBITS

—IN—

## Leather and Shoe Trades Building.

### UNITED STATES.

Exhibit No.	Location.	Exhibit No.	Location.
1b. American Leather Waterproofing Co., Bloomfield, N. J. Waterproofing for men's shoes.	E-18	95. Eisendrath, W. N., & Co., Chicago. Shoe and glove leather.	C-9
4. Whittemore Bros. & Co., Boston. Harness dressings; boot and shoe blacking.	F-27	97. Fayerweather & Ladew, New York. Belting and sole leather; belt 12 feet wide.	C-1
8. Dolge, Alfred, Dolgeville, N. Y. Felt goods; boots, shoes and slippers made of same.	F-20	98. Foerderer, Robert H., Philadelphia. Glazed kid and shoes of same.	B-7
13. Ash, Wm. T., Lynn, Mass. Shoes and slippers.	F-17	98a. Frank, S. H., & Co., San Francisco. a Sole, harness and belting leather. F-4 b Walrus leather.	
19. Bridgeport Elastic Web Company, Bridgeport, Conn. Elastic goring and webbing.	F-20	102. Groezinger's, G., Sons, Lancaster Pa. Harness leather.	A-24
26. Fargo, C. H., & Co., Chicago. Boots and shoes.	D-8	110. Kaufherr & Co., Newark, N. J. a Alligator leather. A-13 b Lizard and snake skin and fancy leather.	
47. Laird, Schober & Mitchell, Philadelphia. Boots and slippers.	D-11	112. Lambeau Leather Company, Chicago. a Leather. B-9 b Kangaroo calf, etc.	
49a. Ludlow, Geo. W., & Co., Chicago. Ladies', misses', children's fine shoes and slippers.	F-5	118. Mooney, W. W., & Sons, Columbus, Ind. Harness and saddlery leather.	B-11
56. Oblinger, Benjamin F., Philadelphia. Boots, shoes and slippers.	E-15	119. Pfister & Vogel, Leather Company, Milwaukee, Wis. Leather.	C-8
59. Pingree & Smith, Detroit, Mich. Shoes.	E-12	125. Swift & Company, Chicago. Hides and skins.	A-17
63. Rice & Hutchins, Boston Boots and shoes.	E-11	126. Trostel, Albert, & Sons, Milwaukee, Wis. a Tanned leather. A-25 b Kangaroo calf. c Russia leather.	
66. Selz, Schwab & Co., Chicago. Boots and shoes.	E-13	134. Kimball, C. P., & Co., Chicago. Coach, brougham, buggy and cart harnesses.	A-11
78. Wells, M. D., & Co., Chicago. Boots shoes and slippers; dwarf cow and calf.	D-16	149. Bresnahan, Maurice V., & Co., Lynn, Mass. Automatic boot and shoe sole levelers.	B-1
84. Boston Rubber Shoe Company, Boston. Rubber boots and shoes; curios from South America.	B-10	154. Consolidated Hand Method Lasting Machine Co., Boston. Shoe lasting machines.	A-3
85. Goodyear Metallic Rubber Shoe Company, Naugatuck, Conn. Rubber footwear.	C-10	156. Elliott Button Fastener Co., Grand Rapids, Mich. Button attaching machine.	F-7
86. Woonsocket Rubber Company, Providence, R. I. Rubber footwear.	D-15	162. Globe Button Hole Machine Co. Boston. Shoe button-hole machinery.	J-2
87. American Oak Leather Company, Cincinnati. Belting, soles, insoles, counters and leather.	C-7		

INTERESTING EXHIBITS IN LEATHER AND SHOE TRADES BUILDING.

Exhibit No.	Location.
163. Goodyear Shoe Machinery Co., Boston. Shoe machinery.	K & F-3
173. Leeson & Co. J. R., Boston. Thread winding machine.	C-6
177. McKay Metallic Fastening Ass'n, Boston. Screw machine, nailer and slugger, strip tacker, etc.	E-4
178. McKay & Bigelow Heeling Machine Ass'n, Boston. Heel compressing and attaching machines.	
180. Miller, O. A., Brockton, Mass. Boot and shoe trees and treeing machines.	C-7
191. Singer Manufacturing Co., New York. Sewing machines for leather work.	D-2
193. Stanley Manufacturing Co., Boston, Boot and shoe machinery.	E-6
196a. Thompson, Judson L., Manufacturing Co., Waltham, Mass. Rivets and rivet machinery.	F-1
197. Tripp Giant Leveler Co., Lynn, Mass. Leveling machines.	F-8
198. Tubular Rivet Co. Boston. Rivets and rivet setting machines.	D-8
200. Union Special Sewing Machine Co., Chicago. Leather sewing machines.	J-6

**FRANCE.**

Location—Sec. D-3.

1. Basset, Son Brothers & Co., Paris. Kid skins for shoes.
9. Dollat Brothers, Paris. Wholesale hides, etc.
10. Floquet, Fernand, St. Denis (Seine). Morocco leather for tapestry.
13. Guillou & Son, Paris. Calf, kid and sheep skins and curried goat skins.
16. Masurel & Caen, N. Croix. Wools and leather.
23. Salase, Benj., Bedarieux. Sheep skins, rough, and washed wools.

Exhibit No.	Location.
26. Trefousse & Co., Chaumont. Kid skins, dyed.	
29. Vuitton, Louis, Paris. Trunks and bags.	

**GERMANY.**

Location—Sec. B-3.

8. Wickle, H., Halle. Boots and shoes.
22. Waeldin, Huber, Lahr-Baden. Colored and black morocco.

**JAPAN.**

Location—Sec. D-3.

6. Kocchiro Yura, Osaka. Curried leather.

**MEXICO.**

Location—Secs. C and D-3.

12. Penitentiary of Salamanca, Workshops, Salamanca. Buckskin suits.
28. Committee, Local, Campeche. Fish skins cut in the rough, embroidered leather, alligator skins, etc.

**RUSSIA.**

Location—Sec. C-3.

4. Galeyff, M. I., Kazan. Boots and shoes.
6. Russian American India Rubber Co., St. Petersburg. Boots, shoes and various articles.
13. Boots and Shoes M'fg Co., St. Petersburg. Leather of various kinds.
14. Brusnitzin, N. M., St. Petersburg. Leather.
32. Savin, V. I., Ostushkoff Tvier. Russian leather of various kinds.



LEATHER AND SHOE TRADE BUILDING.



KRUPPE PAVILION.

## Krupp's Pavilion.

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

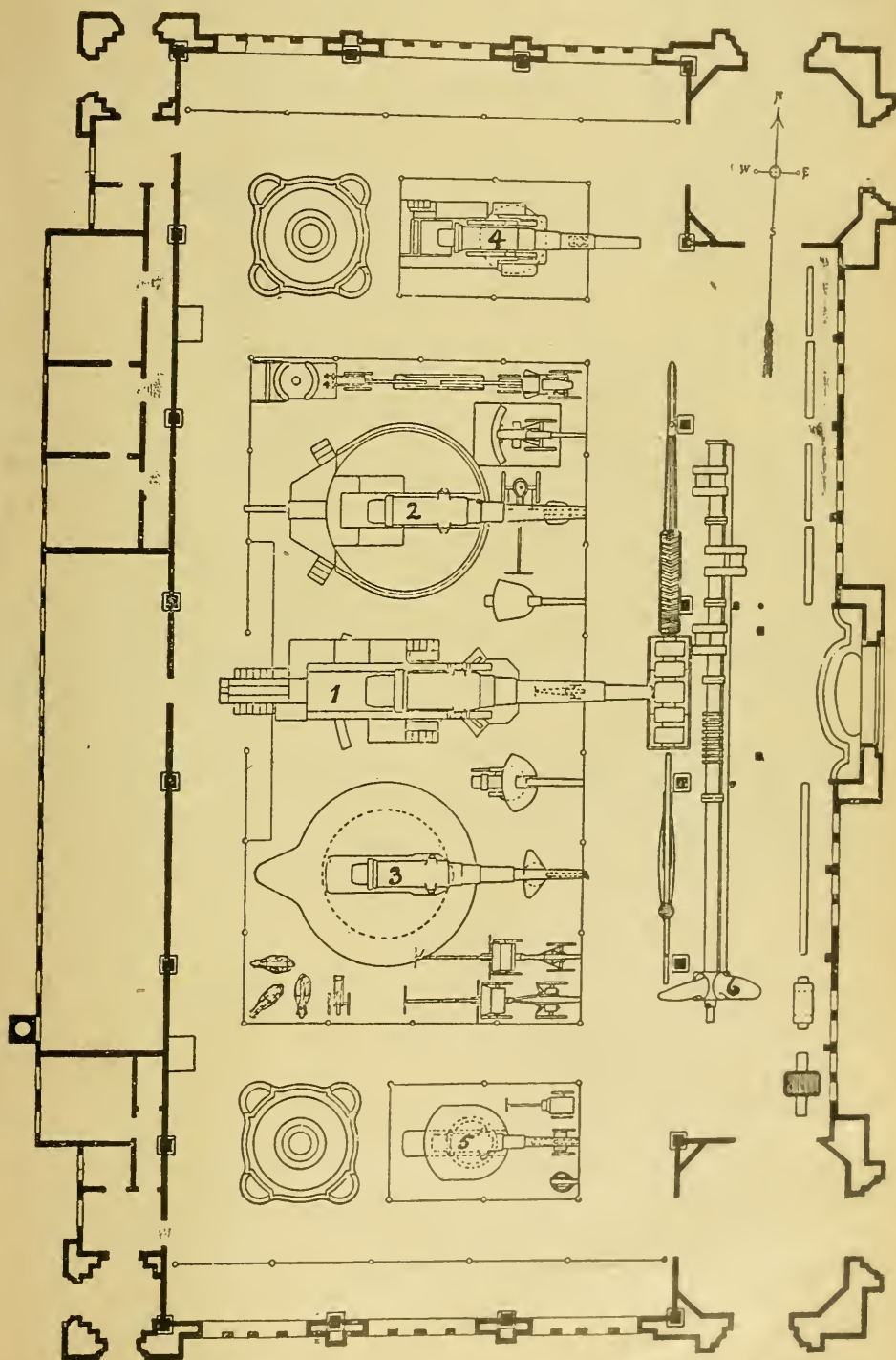
Entrance Hall 42 m long, 7,5 m wide, 9 m high.  
(137,8') (24,6') (29,5')

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.



# DIAGRAM OF INTERIOR AND LOCATION OF EXHIBITS.



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"), Const Gun.
5. 21 cm (8,29"), Naval Gun.
6. screw Shaft.

# INTERESTING EXHIBITS

## IN

### Krupp Pavilion.

#### KRUPP, FRIED, ESSEN, RUHR.

Exhibit  
No.

**1. 42 em (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 em (12.01'') Gun L/35 in Hydraulic Ship Carriage.**

This gun serves for arming men-of-war and large armored vessels. Weight of barrel with breech closures, 62,450 kilos (61.46 tons).

**4. 24 em (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 projectile of 215 kilos (474 lbs.) with an initial velocity of 700 m (2,400).

Exhibit  
No.

**5. 21 em (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').

**19. Collection of Projectiles.**

**20, 21. Compound Armory Plate.**

**22, 23, 24. Nickel Steel Armor Platés.**

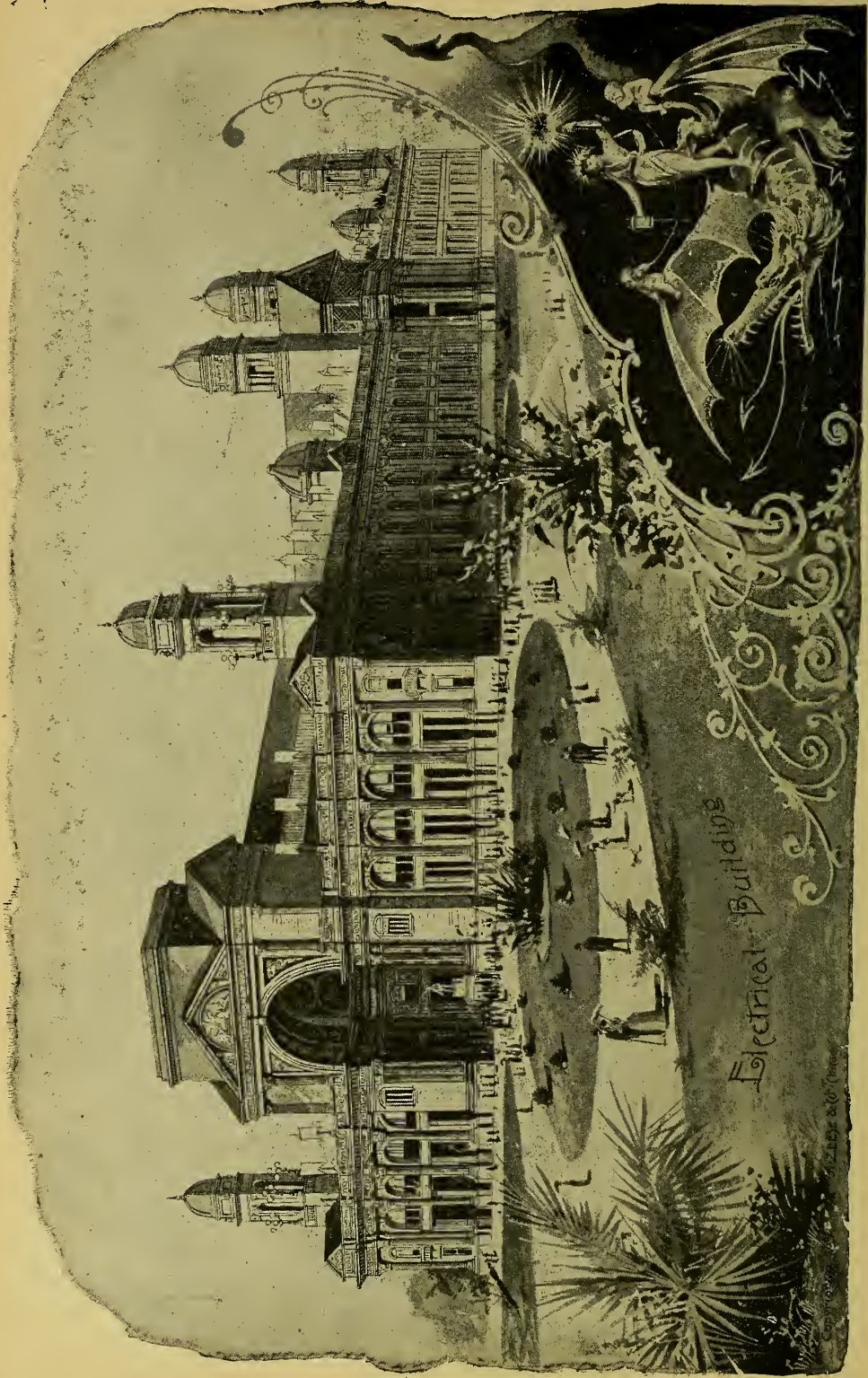
**33. Screw Shaft, Thrust Shaft, and Crank Shaft of Open-hearth Steel.**

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.**





Electrical Building

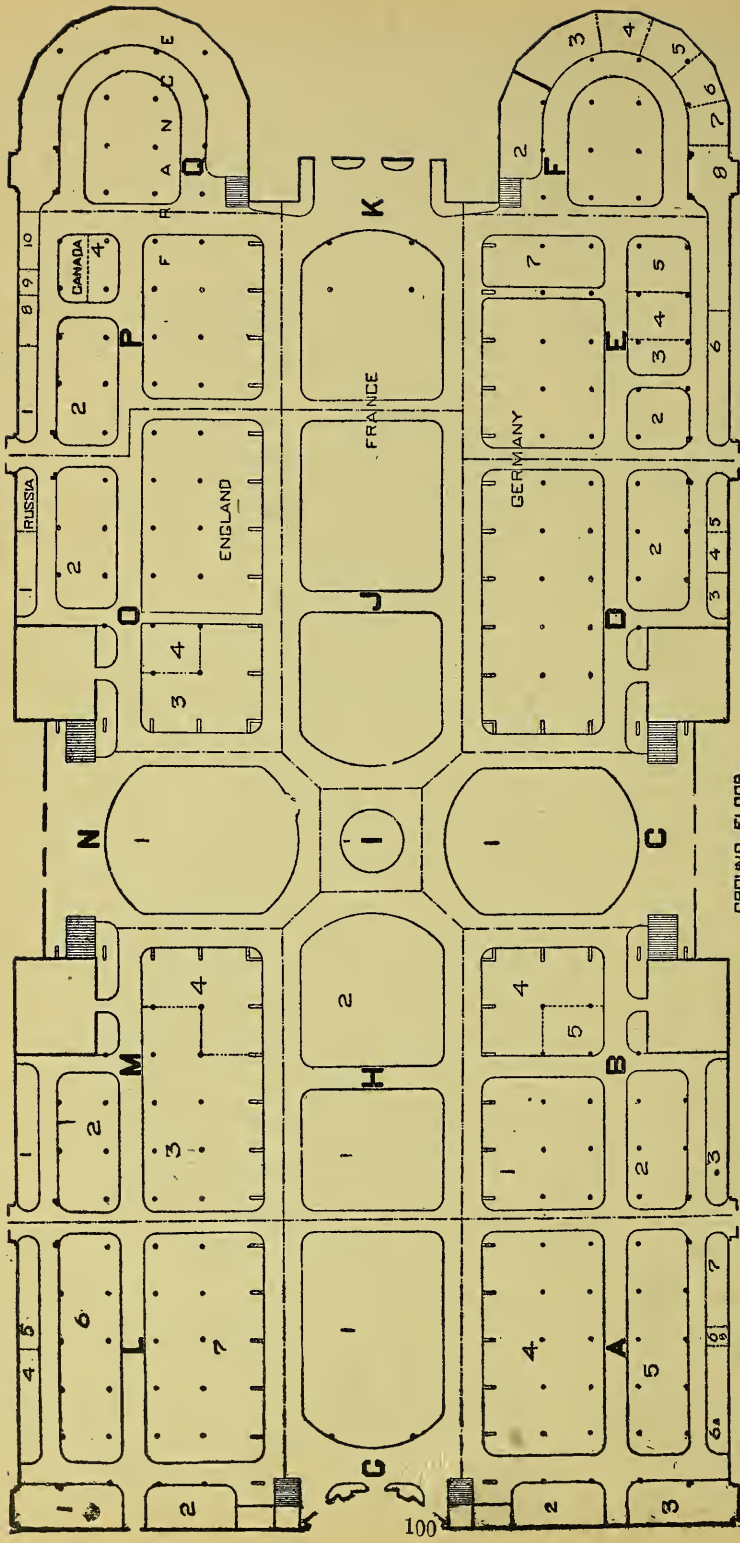
W. Z. D. & Co. New York

# **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.

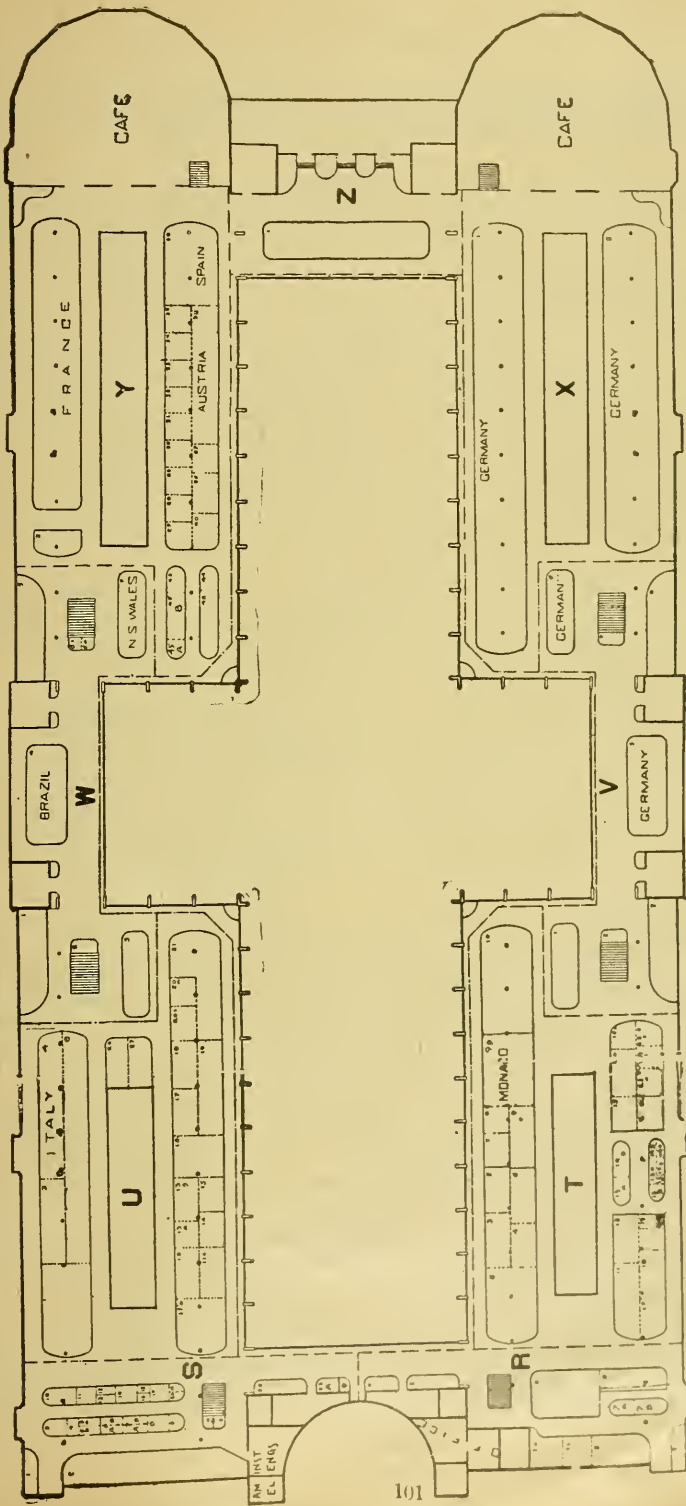
The United States exhibits will be found principally in sections A, B, C, G, H, I, L, M, and N, on the ground floor and R, S, T, U, in the gallery. The following are the locations of foreign countries as they appear in the gallery and on the main floor: Austria in Y, 38; Brazil in V, 1; Canada in the 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.



GROUND FLOOR

ELECTRICITY  
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ELECTRICITY

GALLERY

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# INTERESTING EXHIBITS

-- IN --

## Department J.--Electricity.

### UNITED STATES.

Exhibit No. Location.

Apparatus Illustrating the Phenomena and Laws of Electricity and Magnetism.

1. Brush Electric Company, Cleveland, Ohio.

*a* Temporary and permanent magnets. L-6-7

*b* Induction coils, converters, etc.

6. Fort Wayne Electric Co., Fort Wayne, Ind. Converters and reactive coils. M-3

7. General Electric Company, New York and Boston.

*a* Magnets. H-2

*b* Induction coils, converters and transformers. C-1

8. Greeley, E. S., & Co., New York.

*a* Static apparatus. F-8

*b* Magnets.

*c* Induction coils, etc.

11. McIntosh Battery & Optical Co., Chicago. Apparatus for illustrating the laws of electricity. W-3

14. Queen & Co. (Incorporated), Philadelphia.

*a* Electrical machines. E-7

*b* Thermo electric batteries.

*c* Magnets, temporary and permanent.

*d* Induction coils and converters.

15. Standard Underground Cable Company, Pittsburg, Pa. Static arresters. L-5

17. Thomson Electric Welding Co., Boston. Induction coils, transformers. O-2

18. Western Electric Co., Chicago.

*a* Magnets. A-34&5

*b* Induction coils, etc.

19. Westinghouse Electric M'fg Co., Pittsburg, Pa. Induction coils and converters, transformers and discharging apparatus. B-1

Apparatus for Electrical Measurements.

20. Ansonia Electric Co., Chicago. Instrument of precision. Z-1

24. Commercial Cable Co., New York. *a* Condensers. Y-2

*b* Submarine cable instruments.

25. Cutter, Geo., Chicago. Voltmeters; ammeters; wattmeters. T-3

Electric Batteries, Primary and Secondary.

Exhibit No. Location.

48. Edison Manufacturing Co., New York. Primary batteries and accessories. S-2

49. Elgin Telephone Co., Elgin, Ill. Batteries. T-13-b

58. National Carbon Co., Cleveland, Ohio. Carbon battery elements. T-13-a

59. National Engraving Machiné Co. Chicago. Secondary batteries. S-8

70. White, S. S., Dental Manufacturing Company, Philadelphia. Electric batteries. U-27

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

73. C. and C. Electric Motor Co., New York. Direct current dynamos. A-2

75. Crocker-Wheeler Electric Co., New York. Motor dynamos. L-1

76. Eddy Electric Manufacturing Company, Windsor, Conn. Direct current dynamos, constant E. M. F. B-3

85. Hanson & VanWinkle Co., Chicago.

*a* Direct current dynamos, constant E. M. F. L-4

*b* Direct current dynamos, varying E. M. F.

87. Jenney Electric Motor Co., Indianapolis, Ind. Direct current dynamos. L-2

88. Mather Electric Company, Manchester, Conn. Compound wound power generators and direct current dynamos. M-1-2

100. Zucker & Levett Chemical Co., New York. Direct current dynamos. F-2

Transmission and Regulation of the Electrical Current.

103. Brixey, W. R., New York. Wires, cables. T-2

107. Celluloid Zapon Co., New York. Celluloid for insulation purposes. L-4

108. Central Electric Co., Chicago.

*a* Wires; lead cables. U-8

*c* Switches, insulators, etc.

*d* Conduits, tubing.

126. Gault, N. C., & Co., Winona, Minn. Lightning rods with machine at work. Y-46



INTERESTING EXHIBITS IN DEPARTMENT J.—ELECTRICITY.

Exhibit No.	Location.
130. Indiana Rubber and Insulated Wire Co., Jonesboro, Ind.	
<i>a</i> Insulated wire.	U-16
<i>b</i> Safety appliances.	
<i>c</i> Rubber conduits.	
131. India Rubber Comb Co., The, New York.	
<i>a</i> Rubber insulation.	S-11
<i>b</i> Hood insulators, tubing; sheeting.	
135. Johns, H. W., Manufacturing Co., New York.	
<i>a</i> Insulating sheets; vulcabeston.	U-21
<i>b</i> Moulded mica; abestos.	
<i>c</i> Conduits.	
145. New York Insulated Wire Co., New York.	
<i>a</i> Insulated cables and wires.	T-11
<i>b</i> Tapes and compounds.	
<i>c</i> Conduits.	
148. Okonite Co., New York.	Okonite electric wires. U-8
159. Standard Underground Cable Co., Pittsburg, Pa.	
<i>a</i> Cables and cable boxes.	L-5
<i>b</i> Cut-outs, binding-posts and lightning arresters.	
<i>c</i> Conduits.	
160. Thomson Electric Welding Co., Boston.	
<i>a</i> Rheostats, switches, etc.	O-2
<i>b</i> Safety appliances.	
163b. Vetter, J. C., & Co., New York.	
<i>a</i> Carbon Current Controller.	W-2
<i>b</i> Standard Milli-ammeter.	
Electric Motors.	
169. American Graphophone Co., Washington, D. C.	Motors driving graphophones. A-1
197. Rockford Electric Manufacturing Co., Rockford, Ill.	Direct constant potential motor. P-2; Depts. F & G
Application of Electric Motors.	
246a. National Cash Register Co., Dayton, Ohio.	Electric cash register. H-6
249. Page Belting Co., Chicago.	Dynamo belting. D-5
255. Schieren, Chas. A., & Co., Chicago.	Dynamo belting; perforated leather rawhide rope. D-3
260. Sperry Electric Co., Cleveland, Ohio.	Street railway motors. On exhibition tracks.
Lighting by Electricity.	
305. Phoenix Glass Co., Pittsburg, Pa.	Electroliers, globes, shades, etc. I-1
316a. Waring Electric Co., Manchester, Conn.	Incandescent lamp. M-1-2

Exhibit No.	Location.
Heating by Electricity.	
328. International Automatic Light & Power Co., Chicago.	Electric heating apparatus. U-3
Electric Forging, Welding, Stamping, Tempering, Brazing, Etc.	
349. Electrical Forging Co., Boston.	Forgings, weldings and apparatus. D-2
351. Thomson Electric Welding Co., Boston.	
<i>a</i> Forging and welding of metals.	
<i>b</i> Brazing by electricity.	O-35
Electric Telegraph and Electric Signals.	
354. Commercial Cable Co., New York.	Automatic and multiplex transmitters. Y-2
364. Gamewell Fire Alarm Telegraph Company, Chicago.	
<i>a</i> Fire alarm.	T-10
<i>b</i> Police signal telegraphs.	
367. Gray, Elisha, Highland Park, Ill.	Writing telegraph apparatus. W-5
376. Police Telephone & Signal Co., Chicago.	Police telephone and signal apparatus. V-1
The Telephone and its Appliances. Phonographs.	
386. American Bell Telephone Co., Boston.	Exhibit of history and development of telephony. G-1
History and Statistics of Electrical Inventions.	
431a. Edison, Thos., A., Orange, N. Y.	Historical exhibit. J-1&S-2
440. National Engraving Machine Co., Chicago.	Jewelers' engraving machine. S-8
444. Western Union Telegraph Company, Chicago.	Collective exhibit. V-8
Construction and Repairs.	
463. Ingersoll-Sergeant Drill Company, New York.	
<i>a</i> Air compressors.	N-1
<i>b</i> Rock drills.	
<i>c</i> Coal cutters.	
478. Western Electric Company, Chicago.	
<i>a</i> Electrical construction apparatus.	A-3-4&5
<i>b</i> Apparatus for the transmission of power to generators.	
<i>c</i> Carbon and its application.	
<i>d</i> Application of metals in electrical construction.	

INTERESTING EXHIBITS IN DEPARTMENT J.—ELECTRICITY.

**AUSTRIA.**

Location—Y, 38.

- Exhibit No.  
 2. Gruenwald & Sergle, Vienna. Electricians' supplies.  
 3. Kraetschmer, Heinrich, Vienna. Turned goods for electro-technical purposes.

**FRANCE.**

Location—K, 1; Q, 1-2; Y, 3.

32. Mid, C., Paris. Lightning rods; model of building equipped with a system of lightning rods.  
 36. Weiller, L., et Cie., Paris.  
*a* Cables, wires.  
*b* Material for the construction of electric lines.  
 46. Barbier, F., et Cie., Paris. Lenses.  
 48a. Sautter, Harle, et Cie., Paris. Search lights and appliances.  
 56. Labitte (F. Ph.), Paris. Electroplating, nickeling.  
 59. Direction Generale des Postes et des telegraphes, Paris.  
*a* Telegraphic material.  
*b* Telegraph instruments.  
*c* Fire alarm apparatus, Petit and Digeon systems.  
 62. Mercadier, E., Paris. Mono-telephones and system of multiplex telegraph. 797  
 68b. Mènier, Paris. Telephone cables.  
 71. Milde, Charles, Paris.  
*a* Telephone switchboards.  
*b* Microphones.  
*c* Receiving telephones.  
*d* Signaling apparatus.  
 81. Conservatoire National des Arts et Mètiers, Paris. Objects illustrating the development of electric telegraphy.  
 83. Ducretet, E., et Lejeune, Paris. Instruments combined for illustrating scientific discoveries and teaching electricity.  
 92a. Sautter, Harle et Cie., Paris. Search lights, lighthouses, dynamos, etc.  
 101. Bord et Cie., Paris. Grand and upright piano.  
 105. Cottin & Tailleur, Paris. Grand harmonium.  
 115. Jacequot & Fils, Nancy (Möselle). Stringed instruments.  
 121. Thibout, Paris. Pianos.

**GERMANY.**

Location—D-1; E-1; Y-5-6; and X, 1-2.

4. Hartman & Braun, Bockenheim, Frankfort a-M. Electrical surveying instruments.

Exhibit No.

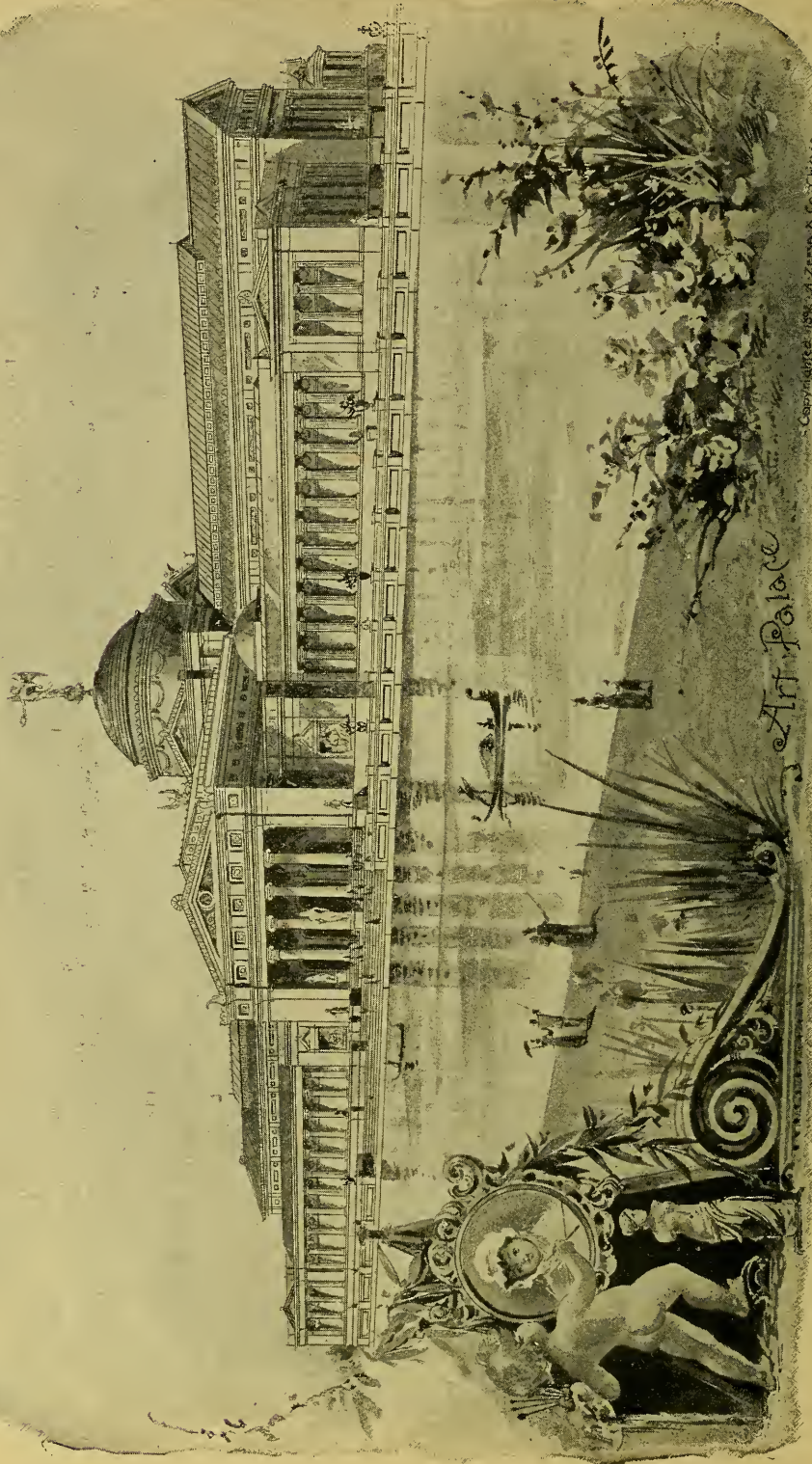
- 7a. Schuckert & Co., Nuremburg. Measuring instruments.  
 8. Siemens & Halske, Berlin. Testing instruments.  
 10. Allgemeine Elektricitats Gesellschaft, Berlin.  
*a* Dynamos, direct current, constant E. M. F.  
*b* Dynamos, direct current, varying E. M. F.  
*c* Dynamos, alternating current, constant E. M. F.  
*d* Dynamos, alternating current, varying E. M. F.  
 13. Felten & Guillaume, Mühlheim a-Rh. Cables and transmitting material.  
 25. Conz, Gustav, Hamburg. Marine signal lights.  
 29. Schuckert & Co., Nuremburg. Search lights.  
 32. Reichspost-Amt, Berlin. Telegraph apparatus.  
 37b. Anschuetz Ottomar, Berlin, Germany. Electric photographic tachyscope.  
 39a. Deutsch-Oesterreichische Mannesmann-Rohr Werke, Berlin. Poles of seamless tubes for telephone, telegraph, gas and electric light and electric and elevated railways.

**German Collective Exhibit in Scientific Instruments.**

Location—N. E. Gallery.

1. Dewitt & Herz, Berlin. Medical and surgical apparatus of German silver and aluminum.  
 6. Muller, Uri Ludwig, Cobourg. Artificial eyes, human.  
 7. Thamm, J., Berlin. Medical and surgical instruments.  
 29. Hirschmann, W. A., Berlin. Electro-medical instruments of all kinds.  
 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; telephonic switchboards and apparatus.





Art Palace

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# 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 Galleries 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.

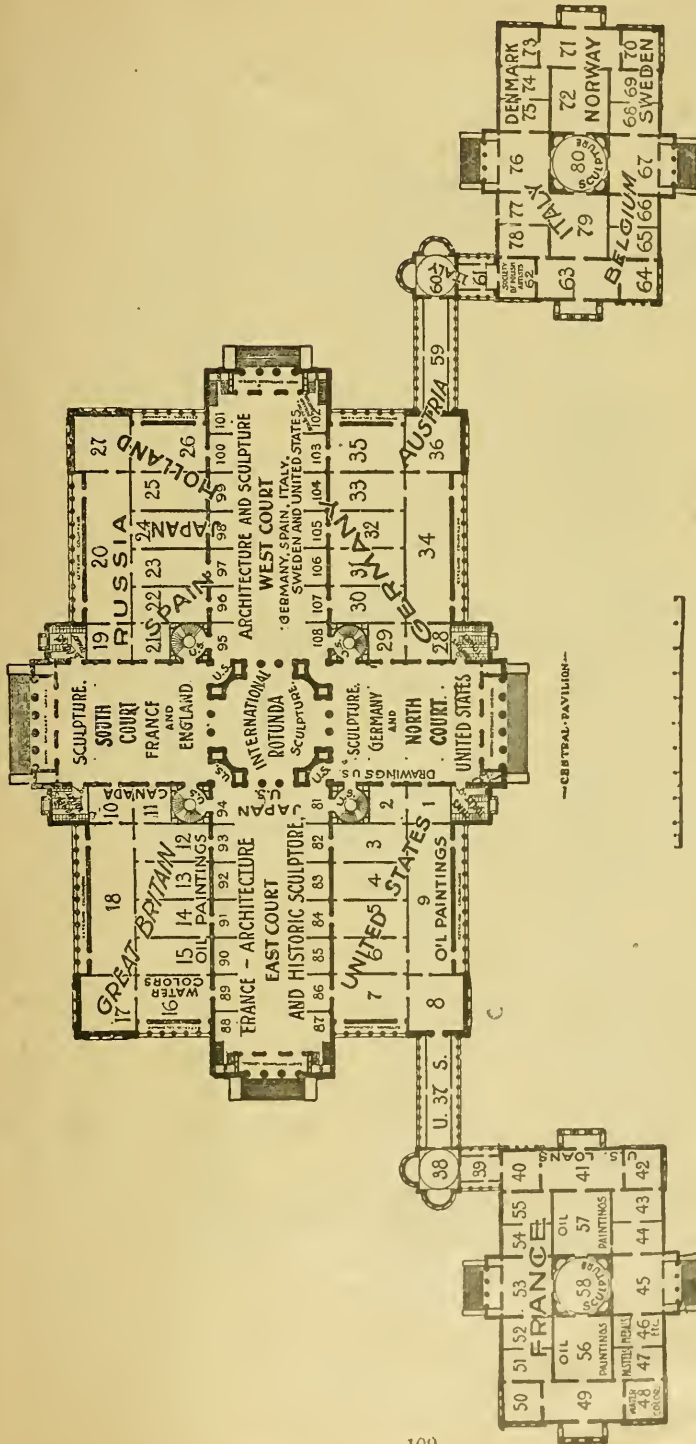
**NORWAY:**—Sculptures and **Oil Paintings** in galleries 71 and 72 West Pavilion. **Drawings, etc.**, in upper floor alcove 156, at the West end of the West Court, Central Pavilion.

**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.

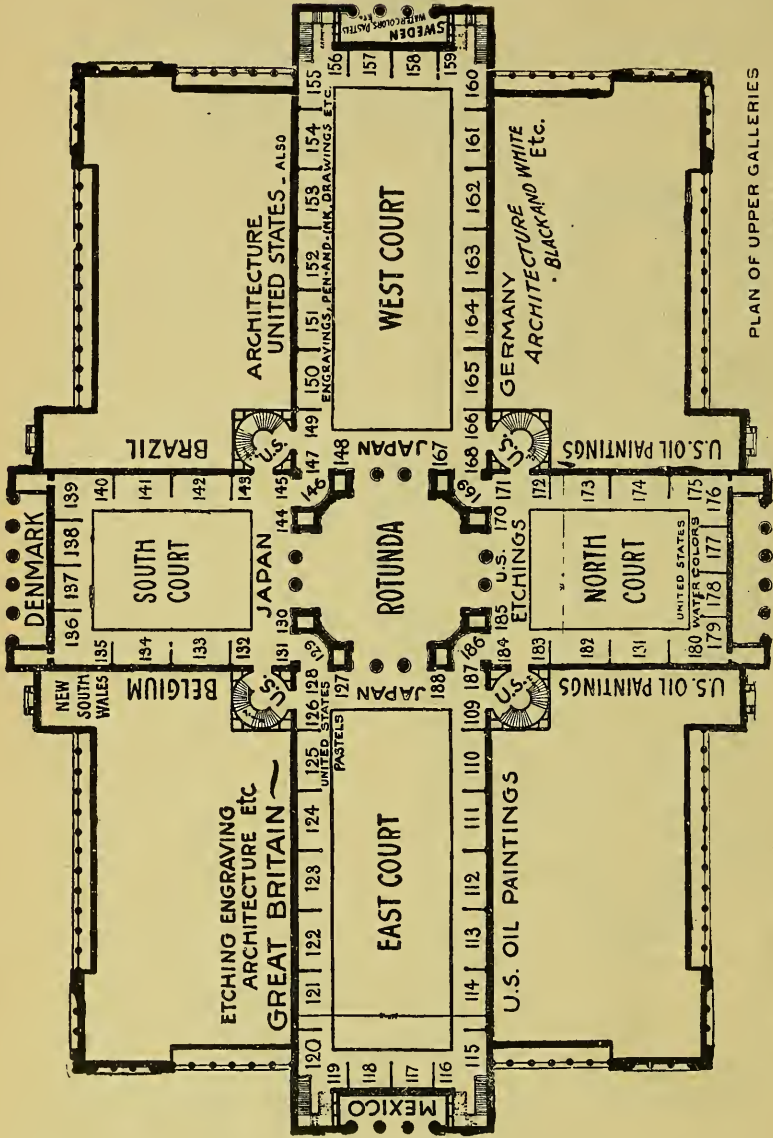
**SPAIN:**—Sculptures in the West Court, in galleries 21, 22 and 23, in the South-west quarter of the Central Pavilion. **Oil Paintings** in galleries 21, 22 and 23. **Water Colors, Pastels, Drawings, Engravings, Etchings, etc.**, in alcoves 96 and 97 West Court, Central Pavilion.

**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.



GROUND PLAN  
**PALACE OF FINE ARTS**  
WORLD'S COLUMBIAN EXPOSITION.

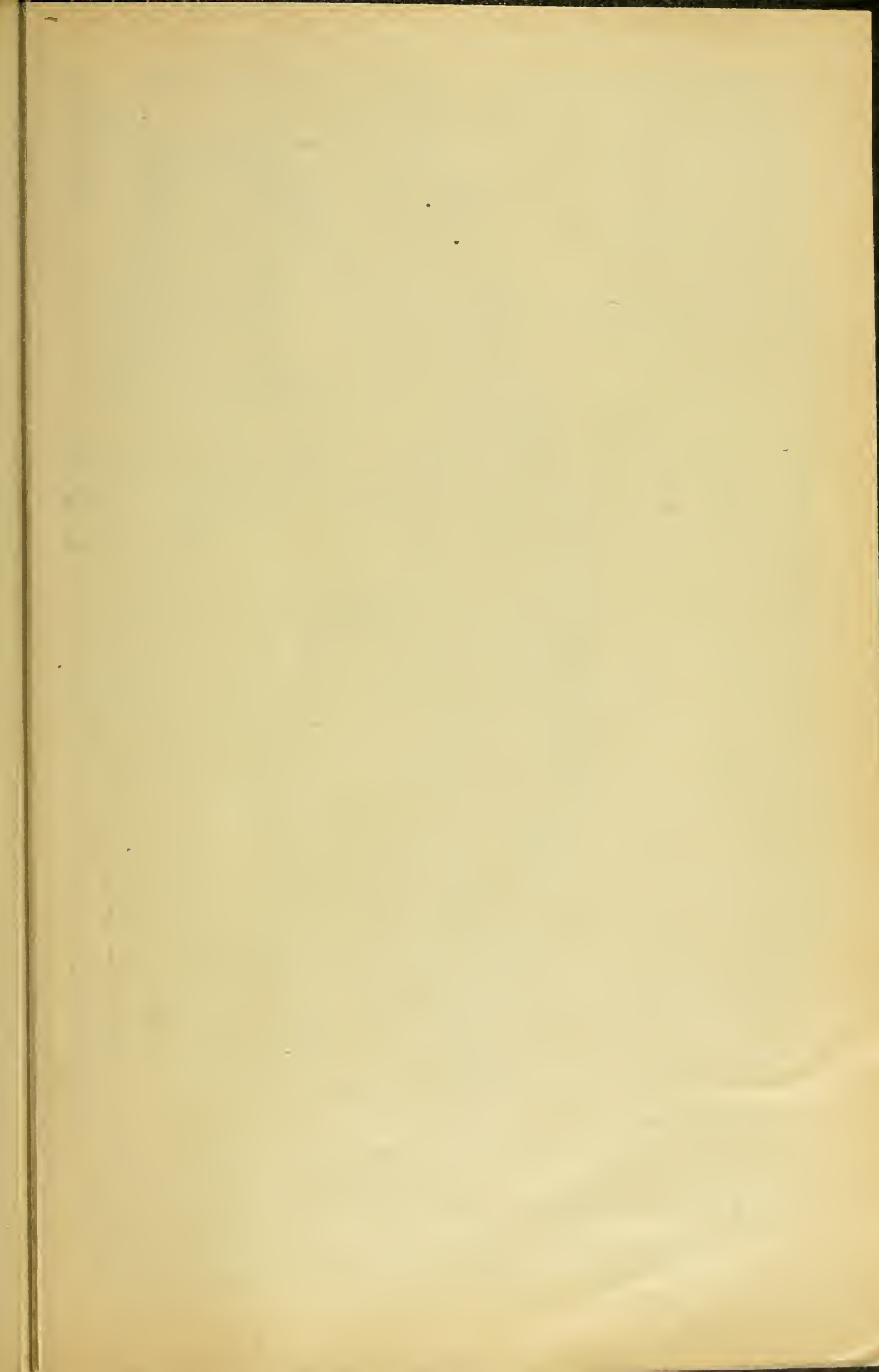
-EAST PAVILION-  
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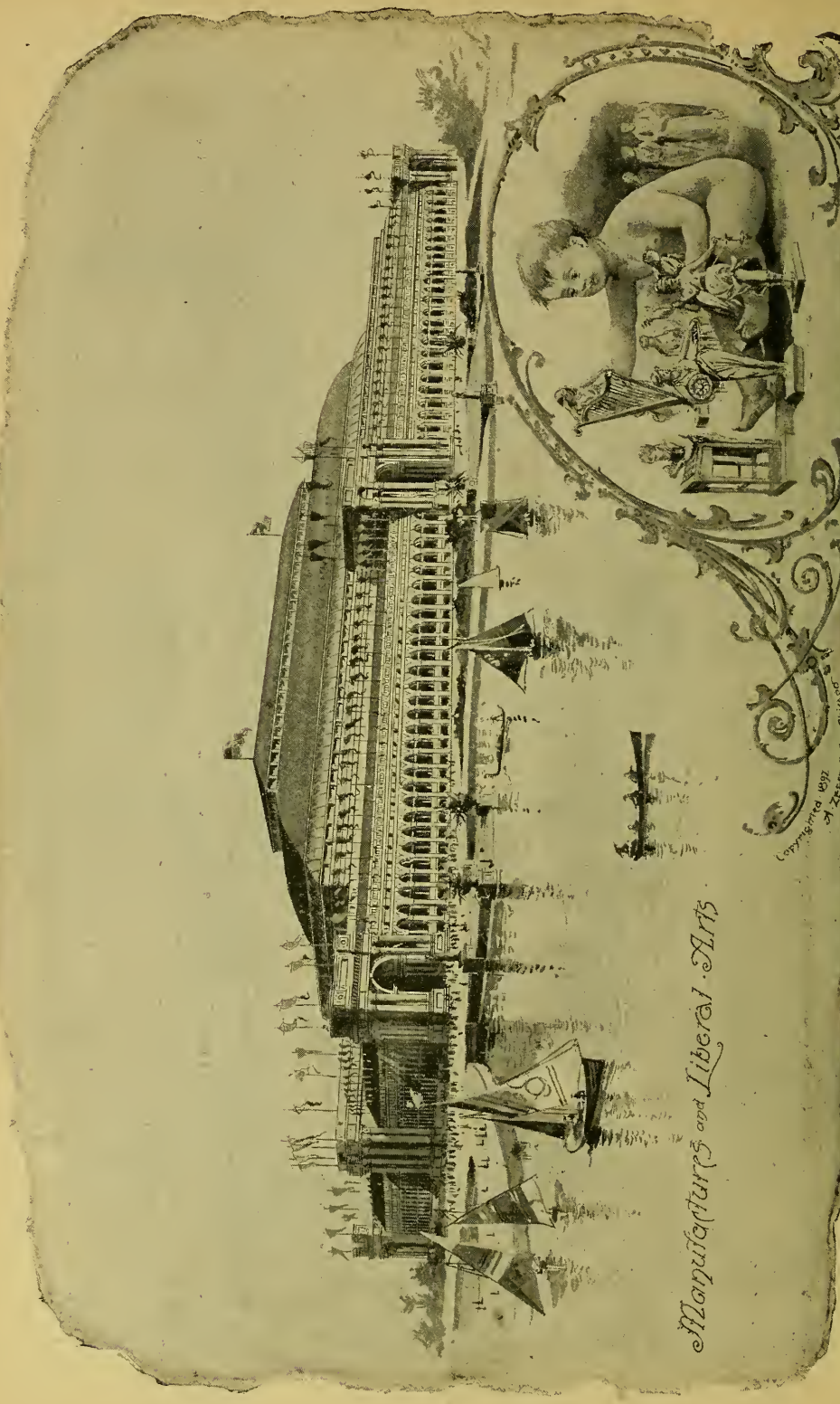


PLAN OF UPPER GALLERIES  
CENTRAL PAVILION

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*Manufactures and Liberal Arts*

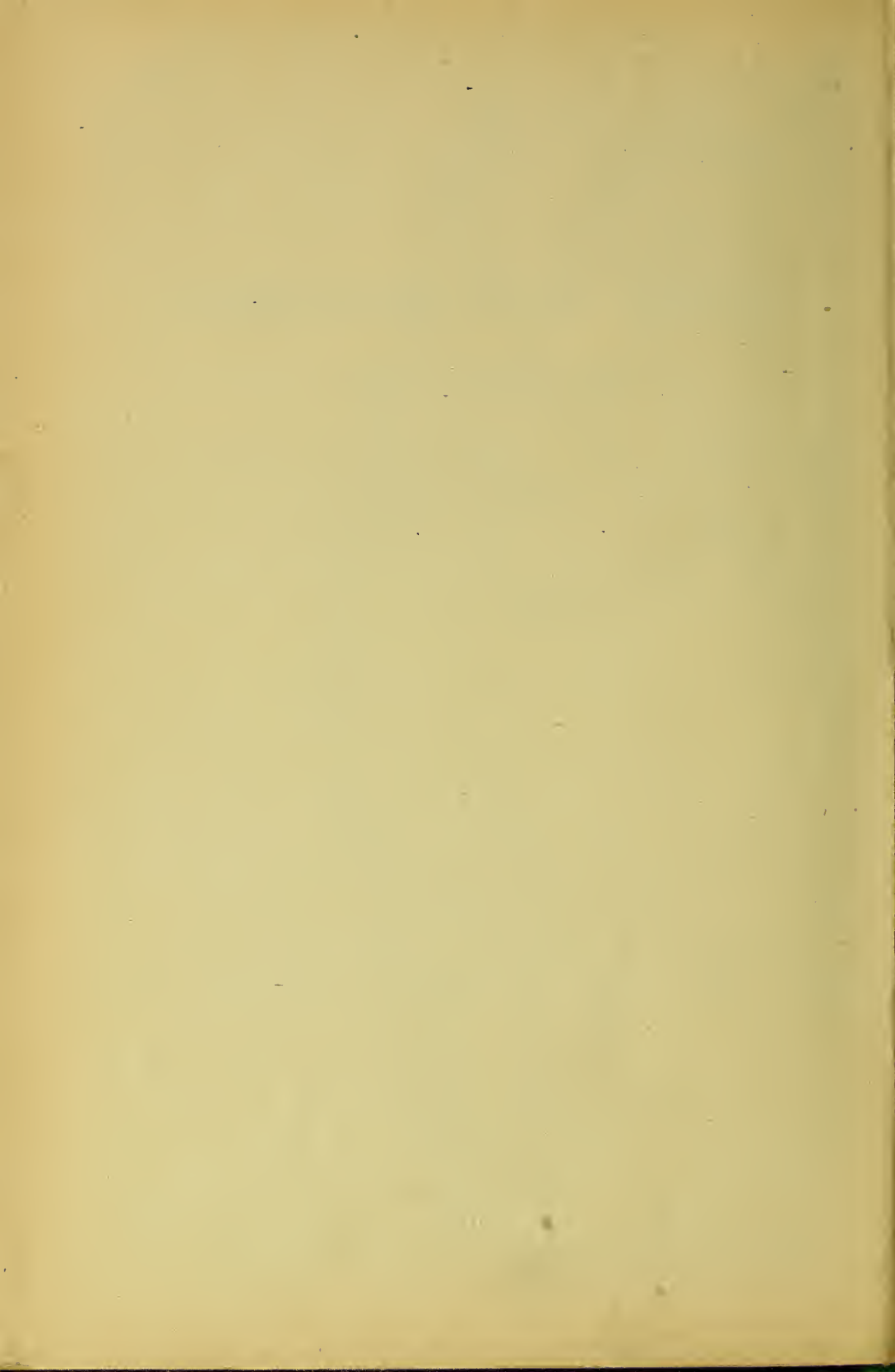
LOTTING AND WIFE  
OF ZIESE & CO CHICAGO

# LIBERAL ARTS DEPARTMENT.

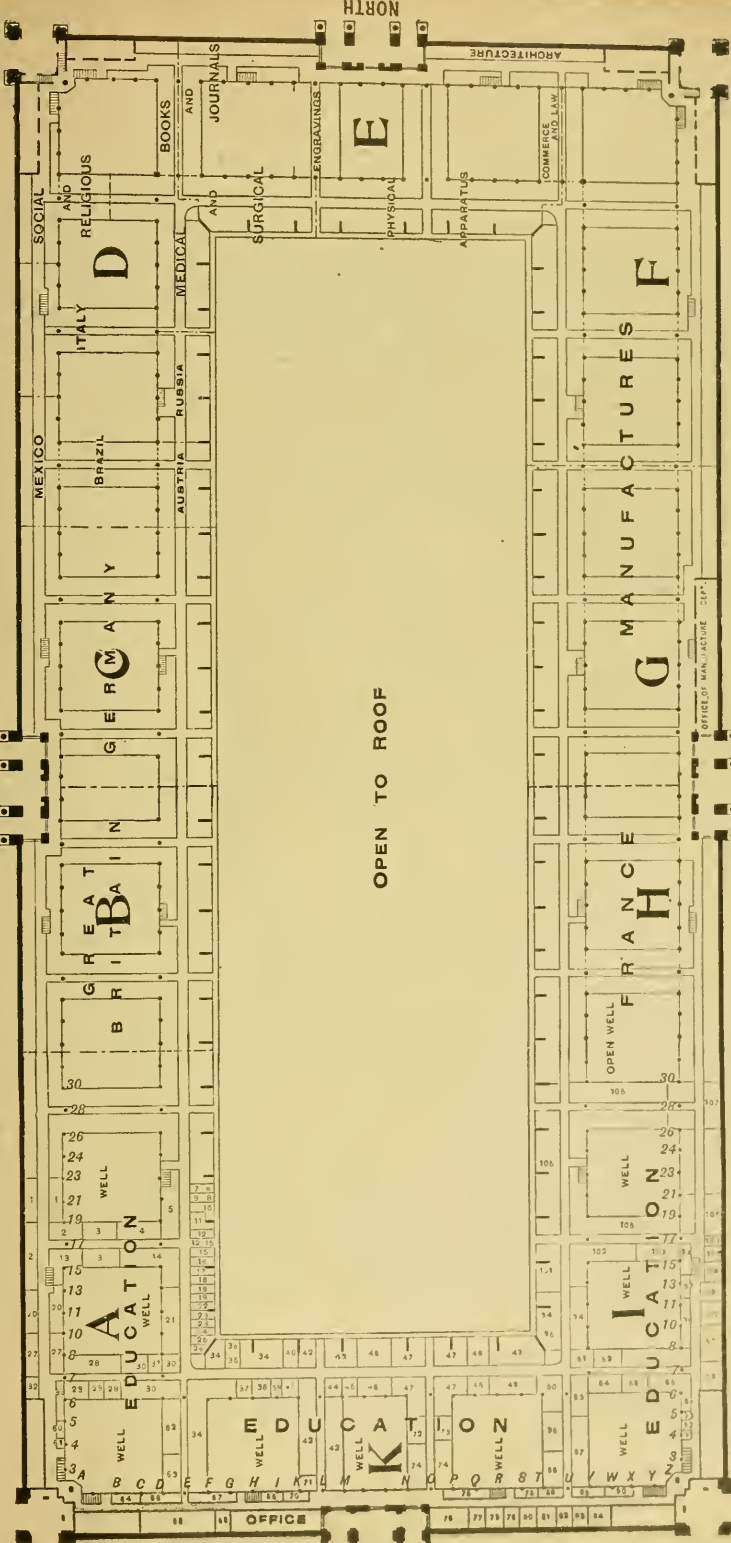
## HOW TO FIND EXHIBITS.

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 catalogue. Group 147 of the classification, which relates to "physical development, training and condition, and embraces the Bureaus of Hygiene and Sanitation and Charities and Correction, 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, journalism, 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 exceptions, in section D. As before stated, music and musical instruments are installed in section 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.



WEST

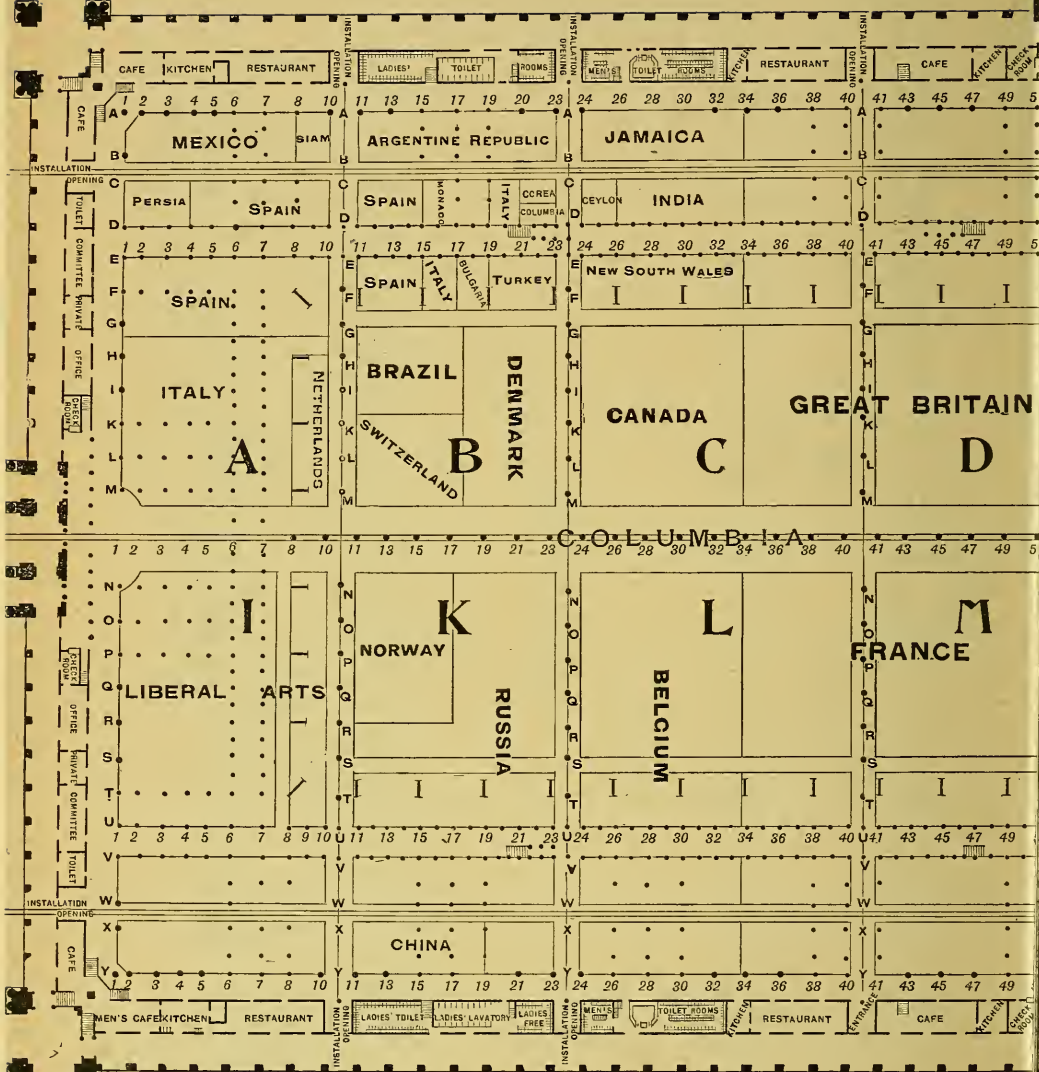


OPEN TO ROOF

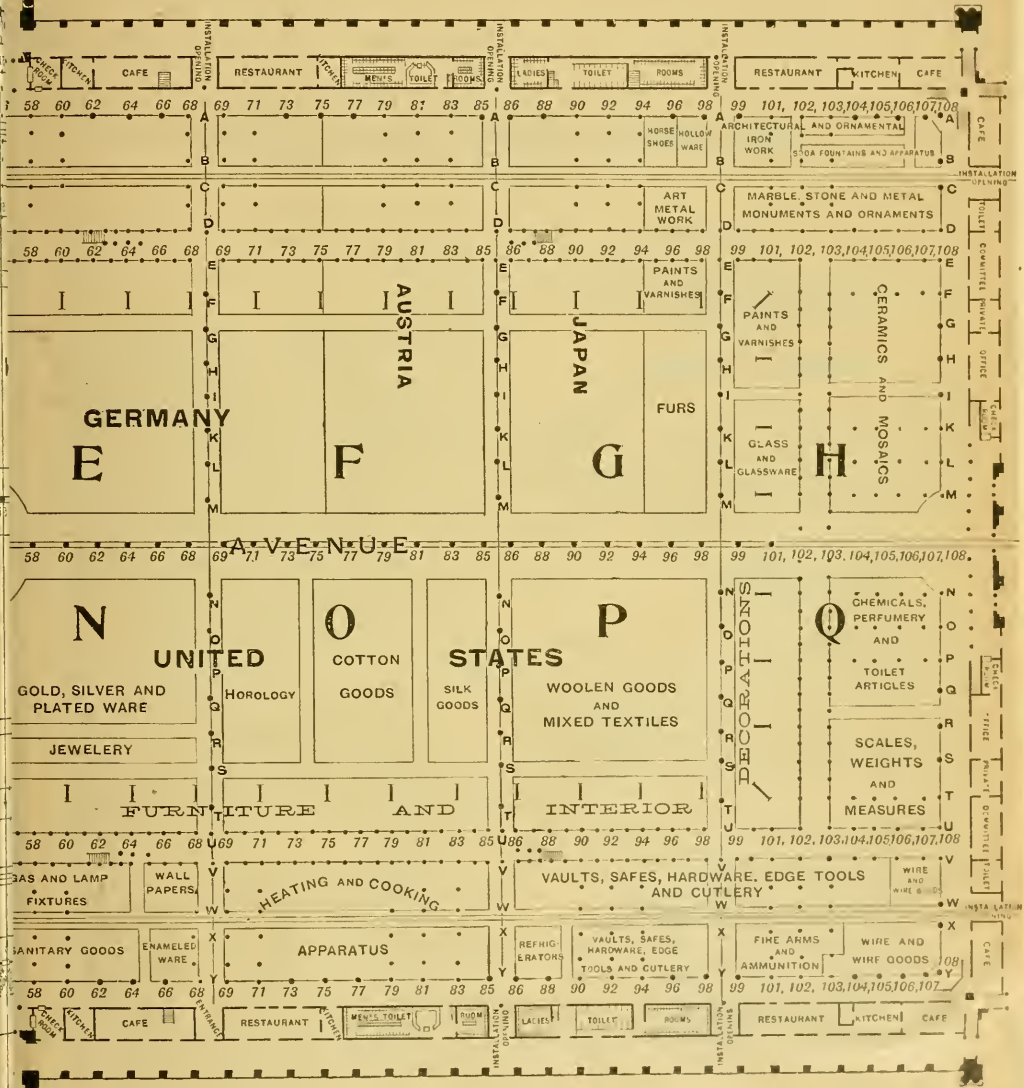
EAST SIDE, Lake Front. WORLD'S COLUMBIAN EXPOSITION.  
 Gallery Plan. MANUFACTURES AND LIBERAL ARTS BUILDING.

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SOUTH 115



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Ground Floor Plan.

WORLD'S COLUMBIAN EXPOSITION,  
MANUFACTURES AND LIBERAL ARTS BUILDING.

# INTERESTING EXHIBITS

—IN—

## Department L.—Liberal Arts.

Instruments and Apparatus of Medicine,  
Surgery and Prosthesis.

### UNITED STATES.

- | Exhibit No.  | Location.  |
|--|--|
| 56. Armour & Co., Chicago.                                     | Pharmaceutical preparations. Gal. D, F-96          |
| 58. Ayer, J. C., Company, Lowell, Mass.                        | Pharmaceutical preparations. Gal. D, Truss F-94    |
| 95. Marks, A. A., New York.                                    |  |
| <i>a</i> Surgical appliances.                                  | Gal. D, D-103                                      |
| <i>b</i> Artificial limbs.                                     |  |
| <i>c</i> Invalid vehicles.                                     |  |
| 98a. Merck & Co., New York.                                    | Pharmaceutical preparations.                       |
| 121. Truax, Chas., Greene & Co., Chicago.                      | Surgical instruments and appliances. Gal. E, F-103 |
| 126. White, S. S., Dental Manufacturing Company, Philadelphia. | Dental supplies. Gal. E, K-101                     |

Literature, Books, Libraries, Journalism.

- |  |   |
|--|---|
| 311a. Hubbard, H. P., New York.  | Administration B'ld'g, Pavilion C.          |
| <i>a</i> Magazines and newspapers.   |   |
| <i>b</i> Technical and industrial journals.                                  |   |
| <i>c</i> Illustrated newspapers.   |   |
| <i>d</i> Newspapers and statistics.  |   |
| <i>e</i> Statistics of journalism.   |   |
| 340. Salem Press Publishing & Printing Co. and Essex Institute, Salem, Mass. | Books, charts and engravings. Gal. E, I-108 |

Religious Organizations and Systems—  
Statistics and Publications.

- |  |   |
|--|---|
| 487. American Tract Society, New York. | Evangelical publications, methods of Gospel work, etc. Gal. D, A-99 |
|--|---|

- | Exhibit No.                                    | Location.   |
|--|---|
| 491. Congregational Denomination in America.   | Development and progress. Gal. D, A-102             |
| 492. Lutheran Church of America.               | Church development. Gal. D, B-102                   |
| 492a. Methodist Book Concern.                  | Publications of the Methodist church. Gal. D, D-103 |
| 498. Presbyterian Church in the United States. | Development and progress. Gal. D, A-102             |
| 503. Young Men's Christian Association.        | Association exhibit. Gal. D, A-102                  |

Music and Musical Instruments.

- |   |  |
|---|--|
| 510. Bauer, Julius, & Co., Chicago.           | Pianos. Sec. I, R-8                    |
| 514. Bohmann, Joseph, Chicago.                |  |
| <i>a</i> Mandolins, zithers, guitars, banjos. | Sec. I, P-3                            |
| <i>b</i> Violins, violas, cellos.             |  |
| 518. Chase, A. B., Company, Norwalk, Ohio.    | Pianos. Sec. I, U-9                    |
| 520. Chicago Cottage Organ Company, Chicago.  |  |
| <i>a</i> Pianos.                              | Sec. I, P-4                            |
| <i>b</i> Reed organs.                         |  |
| 521. Chickering & Sons, Boston.               | Pianos. Sec. I, N-2                    |
| 524. Coleman, Harry New York.                 | Brass musical instruments. Sec. I, P-3 |
| 526. Conn, C. G., Elkhart, Ind.               | Band instruments. Sec. I, Q-1          |
| 532. Estey Organ Company, Brattleboro, Vt.    | Reed organs. Sec. I, O-3               |
| 535. Fischer, J. & C., New York.              | Pianos. Sec. I, Truss N-8              |
| 537. Foote, J. Howard, Chicago.               |  |
| <i>a</i> Guitars, mandolins, etc.             | Sec. I, S-3                            |
| <i>b</i> Flutes.                              |  |
| <i>c</i> Cornets, horns, etc.                 | Q-3                                    |
| 540. Fuller, Levi K., Brattleboro, Vt.        | Tuning forks. Sec. I, V-3              |



INTERESTING EXHIBITS IN DEPARTMENT L.—LIBERAL ARTS.

- | Exhibit No.  | Location.  |
|--|--|
| 541. Gemunder, August, & Sons, New York.             | Violins, cellos, violas, guitars, etc.<br>Sec. I, Q-6  |
| 543. Hallet & Davis Piano Manufacturing Co., Boston. | Pianos.<br>Sec. I, O-2   |
| 544. Hardman, Peck & Co., New York.                  | Pianos.<br>Sec. I, N-5   |
| 547. Haynes, John C., & Co., Boston.                 | Sec. I, S-1<br><i>a</i> Guitars, banjos, mandolins and zithers.<br><i>b</i> Violins.   |
| 553. Kimball, W. W., Company, Chicago.               | Sec. I, P-8<br><i>a</i> Pianos.<br><i>b</i> Reed organs.   |
| 556. Krell, Albert, Cincinnati, etc.                 | Violins,<br>Sec. I, P-5  |
| 560. Lyon & Healy, Chicago.                          | Sec. I, R-3<br><i>a</i> Drums, cymbals, etc.<br><i>b</i> Guitars, banjos, zithers, etc.<br><i>c</i> Pipe and reed organs.<br><i>d</i> Musical accessories. |
| 563. Mason & Hamlin Organ & Piano Co., Boston.       | Sec. I, P-1<br><i>a</i> Pianos.<br><i>b</i> Organs.  |
| 571a. Partello, M. J., Washington, D. C.             | Loan exhibit of violins.<br>Sec. I, P-4  |
| 572. Pepper, J. W., Philadelphia.                    | Band instruments.<br>Sec. I, P-1   |
| 572a. Phelps, James H., Sharon, Wis.                 | Harmony attachment for pianos.<br>Sec. I, Y-8  |
| 574. Pick, Libbie, Chicago.                          | Music cabinet attachment.<br>Gal. F, U-103   |
| 576. Rogers, Joseph, Jr., Highview, N. Y.            | Banjo and drum heads.<br>Sec. I, T-1   |
| 577. Schomacker Piano Company, Philadelphia.         | Pianos.<br>Sec. I, N-6   |
| 583a. Steinert, M., New Haven, Conn.                 | Loan exhibit of instruments representing the development of the pianoforte.<br>Sec. I, V-1   |
| 585. Stieff, Charles M., Baltimore.                  | Pianos.<br>Sec. I, O-4   |
| 598. Wildman, L. P., Danbury, Conn.                  | Violins.<br>Sec. I, Q-4  |
| 599. Zimmermann, C. F., Company, Dolgeville, N. Y.   | Autoharps.<br>Sec. I, S-1  |

CANADA.

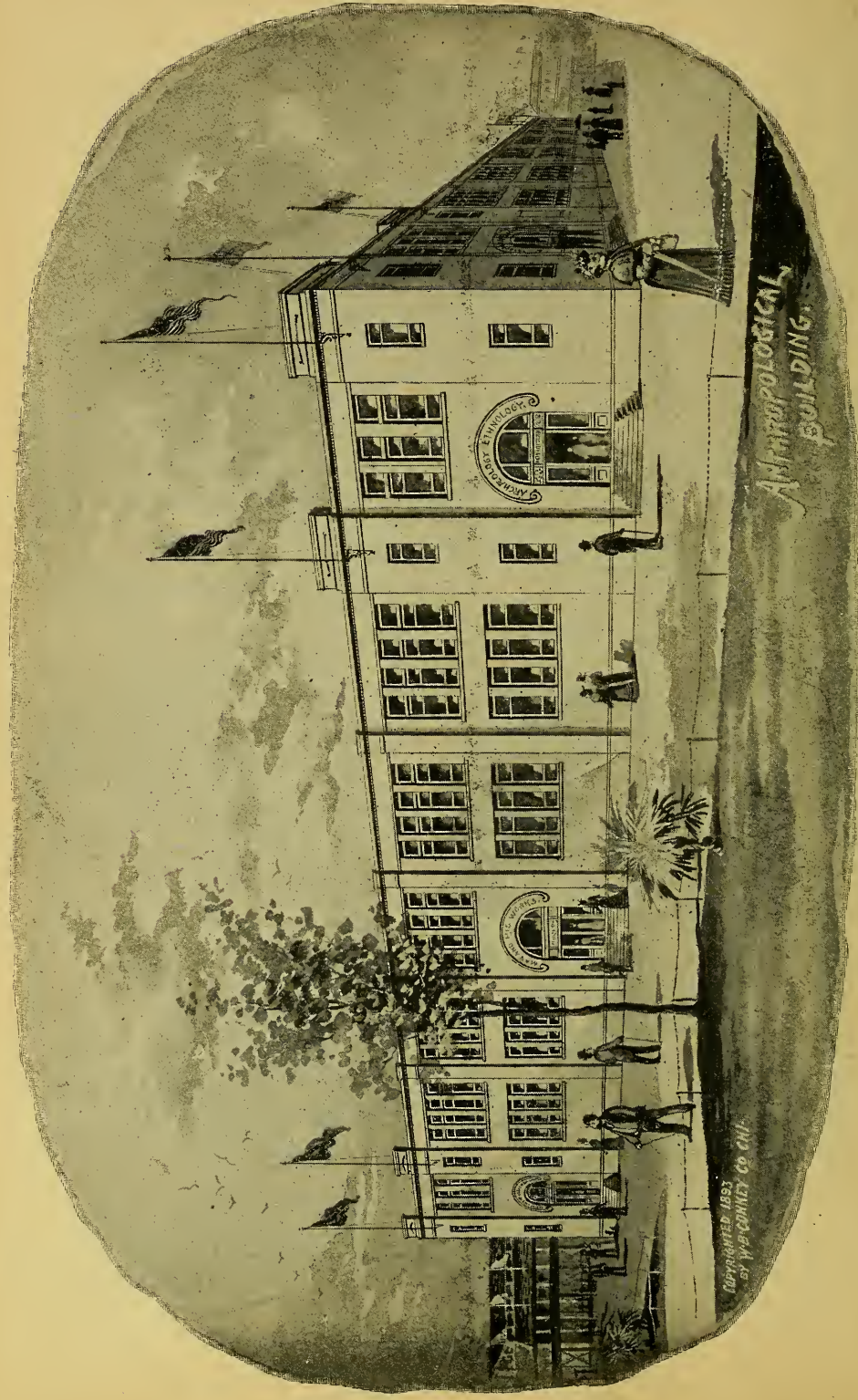
Location—Gallery B.

- | Exhibit No.                                       | Location.   |
|---|---|
| 9. Northwest Territories School Exhibit, Regina.  | <i>a</i> Regina Union School, kindergarten work.<br><i>b</i> Specimens of work from the schools of Moose Jaw Union No. 1, St. Albert R. C. P., No. 3, Regina Union School No. 4, Whitewood School No. 57, Jockeylin, R. C. S., No. 7, Prince Albert Union No. 3, Wide Awake No. 34, La Comte Sep. School, No. 1, Indian Head School, Moosomin Union No. 12 and Wolseley No. 25. |
| 50. Dominion Organ & Piano Co., Bowmanville, Ont. | <i>a</i> Pianos.<br><i>b</i> Organs.  |
| 54. Newcombe, O., & Co., Toronto.                 | Pianos.   |

GREAT BRITAIN.

Location—Gallery B.

- |                                       |   |
|---------------------------------------|---|
| 109. Besson, F., & Co., London.       | <i>a</i> Cornet trumpets, doloophones, duplex instruments, aluminum, tortoise shell and celluloid curios.<br><i>b</i> Drums, tambourines, etc.<br><i>c</i> "Prototype" method of manufacture for band instruments.<br><i>d</i> Cylindrical flutes.<br><i>e</i> Saxophones, pedal contrabass clarionets.<br><i>f</i> Slide trombones, duty bugles, slide trumpets, etc.<br><i>g</i> Compensator cornets, tubas, trombones.<br><i>h</i> Cornophones and compensator valves. |
| 111. Erard, S. & P., London, England. | <i>a</i> Models of harps; the harp presented by the Welsh people to H. R. 11, the Prince of Wales, etc.<br><i>b</i> Music stools, etc.  |



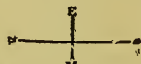
ANTHROPOLOGICAL BUILDING.

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# ANTHROPOLOGICAL BUILDING.

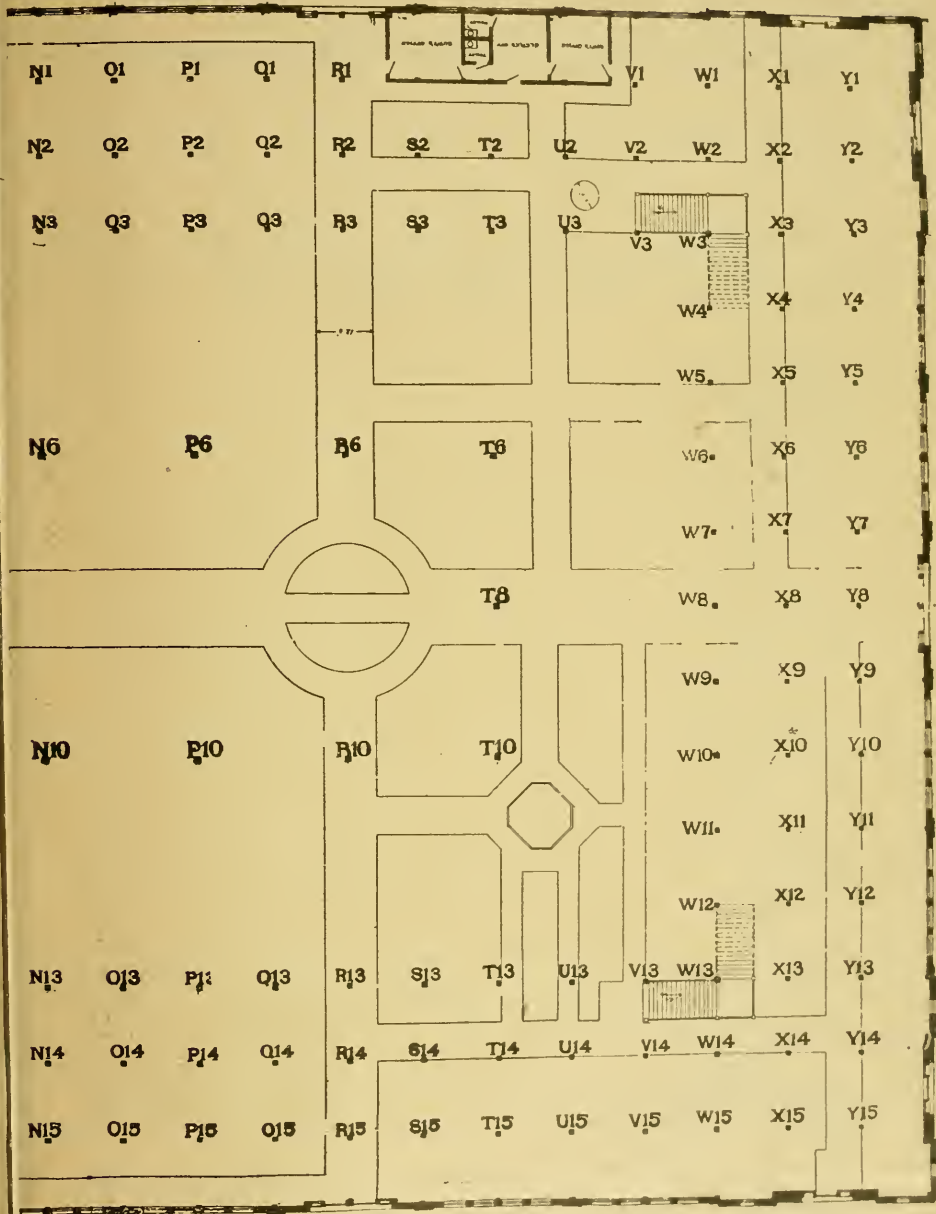
## HOW TO FIND EXHIBITS.

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.



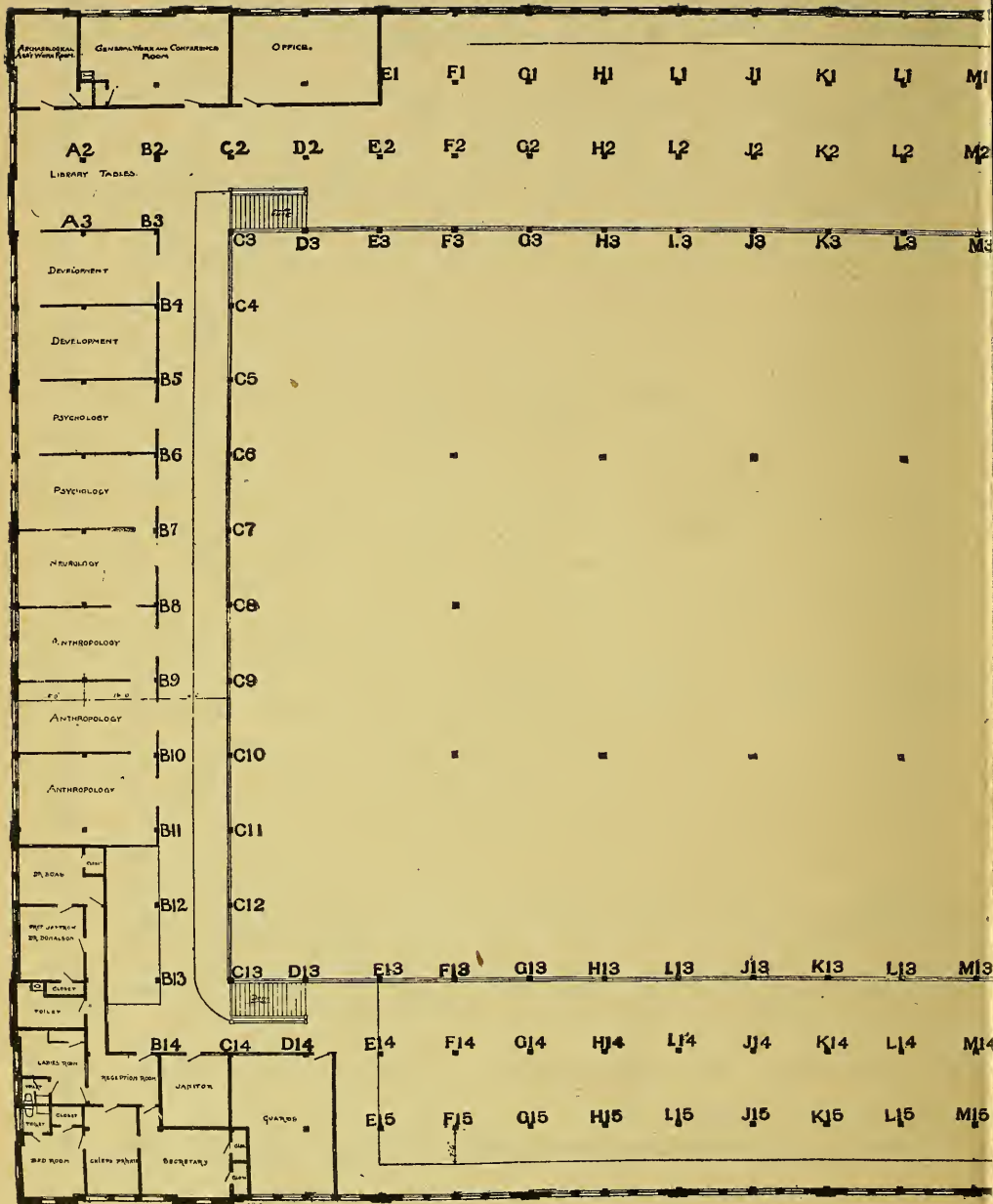
KEY TO INSTALLATION.

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

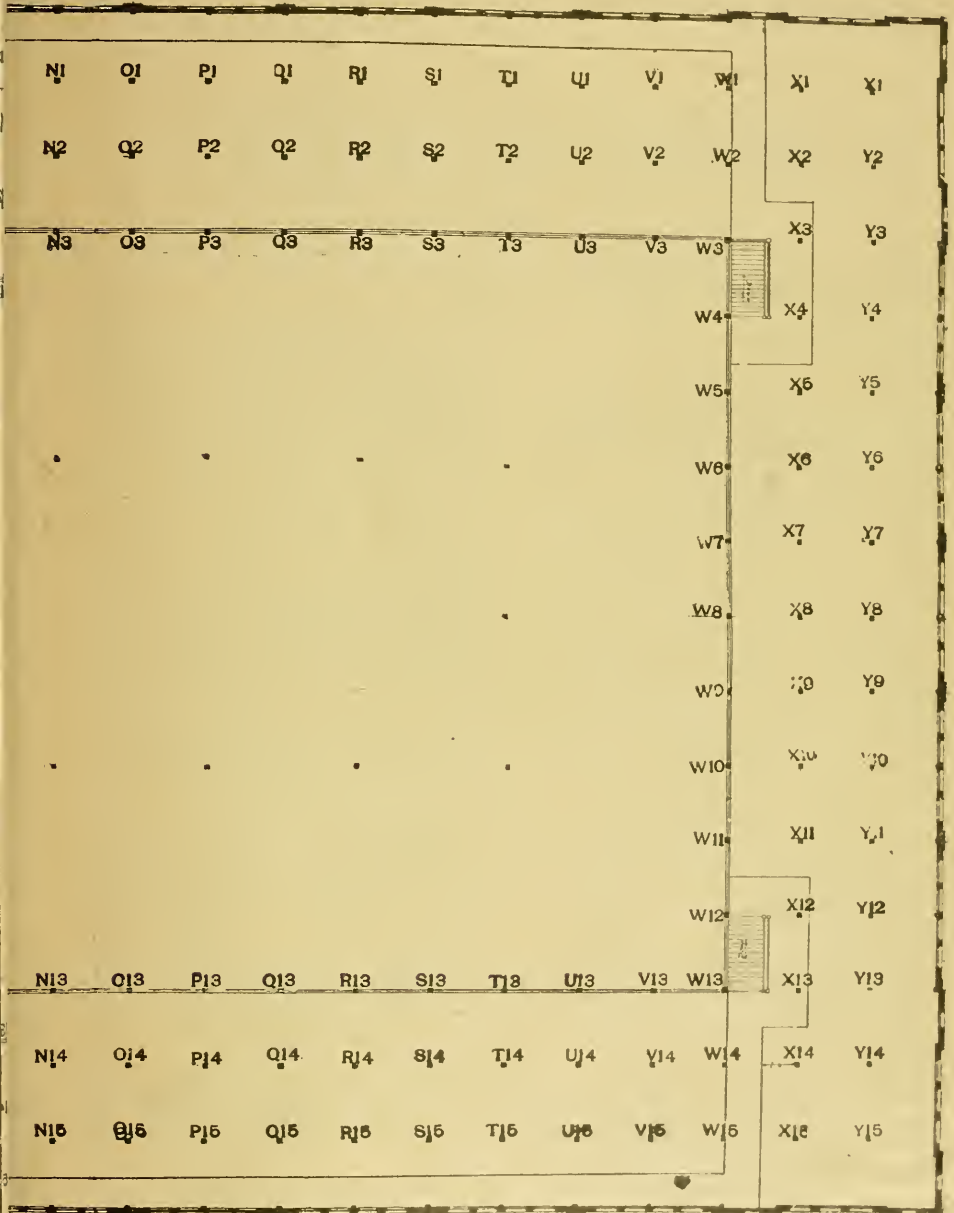


FIRST FLOOR PLAN  
 ANTHROPOLOGICAL BUILDING,  
 WORLD'S COLUMBIAN EXPOSITION.

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.



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GALLERY FLOOR PLAN  
 ANTHROPOLOGICAL BUILDING.  
 WORLD'S COLUMBIAN EXPOSITION.

# INTERESTING EXHIBITS

—IN—

## Department M.--Ethnology.

### SECTION OF ARCHAEOLOGY.

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

- | Exhibit No. | Location.  |
|-------------|--|
| 4.          | <b>Colorado State Exhibit.</b> Mummies, pottery, implements, weapons, etc., illustrating the life and customs of the ancient cliff dwellers. I-3   |
| 5.          | <b>Costa Rica, Official Exhibit.</b> Large maps illustrating the archæology 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. P-6   |
| 6.          | <b>Department Exhibits, out-of-door,</b> under direction of F. W. Putman, Chief of the Department. Fac-similes of portions of the Yucatan ruins, the moulds for which were taken by E. H. Thompson, as follows:<br>"The Portal" from the central structure of the group of ruins at Labna.<br>The "Straight Arch" of Uxmal from the east facade of the so-called House of the Governor, ruins of Uxmal.<br>The famous facade of the "Serpent House," ruins of Uxmal.<br>West section, north wing, "House of the Nuns," ruins of Uxmal.<br>Central section, east wing, "House of the Nuns," ruins of Uxmal.<br>Southeast corner, east wing, "House of the Nuns," ruins of Uxmal.<br>A monolith and several sculptured stones. |
| 7.          | <b>Department Exhibits.</b> 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; Zelia Nuttall in Mexico; Peabody Museum in Honduras; J. G. Owens in Guatemala; G. A. Dorsey in Peru; Island of La Plata, Chili and  |

- | Exhibit No. | Location.  |
|-------------|--|
|             | Bolivia; E. H. Thompson in Yucatan; F. A. Ober, West Indies; W. E. Safford, Peru; Stephen Bowers, South California. Relief Models of Serpent Mound Park, Fort Hill, Tuner group and Clark (or Hopewell) group of earthworks, Ohio. |
| 12.         | <b>Great Britain, Official Exhibit.</b> Forty large photographs of ancient structures in Guatemala, Honduras, Chiapas and Yucatan, Central America, taken by A. P. Maudslay during his explorations in that country. N-3           |
| 20.         | <b>Japan, Official Exhibit.</b> Collection from the Imperial Museum and the College of Science of Tokyo, Japan. N-10   |
| 27.         | <b>Logan, F. G., Chicago.</b> Stone implements, pottery, etc., from California and other places; collected by H. N. Rust. A-7  |
| 30.         | <b>Missouri State Exhibit.</b> Historical Society exhibitor, under direction of W. J. Sewer. Large collection of stone implements from Missouri. F-3   |
| 36.         | <b>Ontario, Canada, Official Exhibit.</b> Archæology of Ontario. B-7   |
| 37.         | <b>Peabody Museum of American Archæology and Ethnology, Cambridge, Mass.</b> Skulls and skeletons; collection from Penobscot Valley: collection of casts and photographs from Honduras and Yucatan.                                |
| 43.         | <b>Smith, H. I., Saginaw, Mich.</b> Implements, ornaments, etc., from the surface of village sites; caches of stone implements from the Saginaw Valley, Michigan. C-6  |
| 48.         | <b>Wisconsin Historical Society, Madison.</b> Copper and stone implements; tablets showing outliner of typical effigy mounds; model of group of effigy mounds. H-6 and F-8   |

### SECTION OF ETHNOLOGY.

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

53. **Brazil, Official Exhibit.** Ethnology of the native peoples of Brazil. L-6



## INTERESTING EXHIBITS IN DEPARTMENT M.—ETHNOLOGY.

Exhibit No.	Location.	Exhibit No.	Location.
57.	Chittenden, Newton W., British Columbia. Ethnological collection from British Columbia. H-10		
59.	Department Exhibits. Collections made for the World's Columbian Exposition under the direction of F. W. Putnam, Chief of the Department, as follows: R. E. Peary, in Greenland; R. G. Tabor, in Labrador; James Deans, in Queen Charlotte Islands, B. C.; Phillip Jacobsen, in Bella Coola, B. C.; George Hunt, in Fort Rupert, B. C.; J. G. Swan, in Neah Bay, Washington; Myron Eells, at Puget Sound, Washington; L. L. Bush, at Shoalwater Bay, Washington; Isaac Cowie, in North Saskatchewan valley; John McLean, in Alberta; A. R. Tisdale, in Nova Scotia; E. F. Wilson, in Canada; Alice C. Fletcher, among Nez Perce, Omaha and Winnebago; James Stewart, among Nez Perce; F. A. Ober, among Caribs of West Indies; Roger Welles, on the Orinoco; W. E. Safford, in Peru and Bolivia; Otto Finsch, in Pacific Islands; D. W. Bertolette, Upper Paraguay, South America; T. F. Holgate, among the Mohawks; G. A. Dorsey, in Peru and Bolivia; F. Conger Smith, among the Sioux; G. M. West, in Nova Scotia and New Brunswick; M. O. Cherry, in Yucon river-valley; Frederic Starr, among the Cherokees; A. T. Watt and Hugh Watt, in British Columbia; T. E. Adams, in Montana; T. L. Bolton, in Idaho; W. C. Hamilton, in South Carolina; G. A. Kaven, among the Sioux; W. H. Wilson, in Indian Territory; H. B. Montague, in Minnesota; Maxwell Riddle, in Wisconsin; T. P. Hall, in Ontario; H. W. Ruoff, in Michigan; Sheldon Jackson, in Alaska and Siberia.		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.
		169.	John Hopkins University, Baltimore, Md. Psychological apparatus and photographs of equipment.
		234.	Ward's Natural Science Establishment, Rochester, N. Y. Skeletons and models.

### SECTION OF ETHNOGRAPHY.

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

251. Department exhibit under the direction of F. W. Putnam, Chief of the Department. Family of Eskimo from the Eskimo village. Skin tents of the Eskimo from Labrador. Skin tents of Arctic Highlanders, collected by Lieut. Peary in North Greenland. Representatives of the Fort Rupert Indians of Vancouver Island, B. C., living in their native fashion in large house with "totem poles." House from village of Skidegate, Queen Charlotte's Island, B. C. Heraldic column from Fort Simpson, B. C. Memorial columns from Bella Coola, B. C. House posts from Nanaimo, B. C. Canoes from the North Pacific coast. Buffalo hide teepee. Winnebago mat house and other habitations.

### 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 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 Tokio,

**SECTION OF NATURAL HISTORY.**

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

Exhibit No.	Location.
267. Agassiz Association, St. Louis, Mo.	
General natural history exhibit. H-2&K-2	
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
282. Pennsylvania State Exhibit. Birds of the state.	M-1
285. Stanisky, Gustav & Co., Chicago. Mounted animals' heads; display of taxidermy.	E-3
287. Ward's Natural Science Establishment, Rochester, N. Y. General natural history cabinet, occupying the entire south gallery.	Y-1 to Y-15

**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 manufacture; 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 poisoned, for game, with bamboo point and cap.
70. Fiat Cassava mats.
99. Drum and sticks; Macquari whips; Tiberi whip; pan pipes; rubber balls; imitation fiddle; puzzles; Æolian 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. | Description  |
|-------------|--|
| 1.          | Relief from the Lion Gate at Mycenæ. 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 Mycenæ. |

**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.
- 66-69. Colossal sculptures found at Lycosoura 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 Rhammus in Attica. It is the work of one Chærestratus, 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.
2. Irish Industries Exhibit. President, the Countess of Aberdeen, Irish Village. Exhibit of Irish industries. Admission, 25 cents.
- 2a. 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.

Exhibit  
No.

3. **Working Man's Home.** Woman's Auxiliary, W. C. E. Philadelphia branch. Social service section. Reproduction of one of the 172,000 cottages owned by workingmen in Philadelphia. Free admission.
- 3a. **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.
4. **International Dress and Costume Company.** President, W. G. Press. Exhibition of natives of different parts of the world in their appropriate costumes. Admission, 25 cents.
- 4a. **Johore Bungalow and Village.** Rounseville Wildman, Concessionaire. Johore Village, models of native vessels, curios, arms and native merchandise for sale. Admission, 10 cents.
5. **Electric Scenic Theatre,** Arthur Schwartz, Concessionaire. Electric illumination as regards light effects. Admission, 25 cents.
6. **Log Cabin and Restaurant,** Emma S. Brinton, Concessionaire. Colonial relics of 1776 from New England States. Free admission.
- 6a. **Camera Obscura,** Carl Memethy and Adolph Gaul. Exhibit of views of a portion of the fair grounds. Transformed by a camera obscura. Admission, 10 cents.
7. **Libbey Glass Works,** E. D. Libbey, President. Manufacturer of American glass and glassware. Admission, 10 cents.
- 7a. **Moorish Mosque of Tangiers,** Jacob Benchetrit, Concessionaire. Sale of photos and Moorish work. Admission free.
8. **Venice-Murano Exhibiting Co.,** E. Benuezzi, Manager. Exhibit and manufacture of Venetian glass and glassware, and mural decorative mosaics. Admission, 10 cents.
- 8a. **American Indian Village,** Roddy and Wyatt, Winnebago Indian Village and sale of Indian work and curios. Admission, 10 cents.
9. **Irish Village.** Mrs Ernest Hart, Concessionaire. Exhibit of Irish Donegal Village and industries. Admission, 25 cents.
- 9a. **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.

Exhibit  
No.

10. **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.
11. **Japanese Bazaar,** M. F. Tetsuka, Manager. Exhibit and sale of Japanese articles. Free admission.
12. **Dutch Settlements,** Oceanic Trading Co., H. N. Nichols, Manager. Exhibit of village and natives of the South Sea Islands. Admission, 25 cents.
13. **Java Village,** Java Chicago Exhibit Co. Exhibit of Javanese village and native industries. Admission, 10 cents.
14. **Vienna Bakery and Natatorium,** W. Loel, President. Restaurant and gymnasium. Admission, 25 cents.
15. **Panorama of the Bernese Alps,** M. Henneberg, Concessionaire. Panorama of the Bernese Oberland. The point of view is taken from the Maennlichen (7,700 feet) between the valleys of the Grindenwald and the Lauterbrunnen. Admission, 25 cents.
16. **German Village,** Dr. Ulrich Jahn, Concessionaire. Ethnographic museum of arms, wax figures of German heroes, etc. Also a representation of a Hessian rural town-hall and Black Forest, Westphalian, Upper Bavarian and Spreewald houses. Admission, 25 cents.
17. **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.
18. **Street in Cairo,** G. C. Prussing, President. Consists of temple, mosque, theatre, 62 shops, two sebils, Soudanese tents, with natives of Egypt and the Sudan. Admissions, 15 and 25 cents.
19. **Egyptian Temple,** Prof. Demetrius Mosconas, Concessionaire. Egyptian Temple (1800 B. C.). Admission, 25 cents.
20. **Zoöpraxographical Hall,** Eadmund Muybridge, Concessionaire. Lectures on animal locomotion. Admission, 25 cents.
21. **Persian Palace,** Georges E. Khourie, Concessionaire. Restaurant, theatre and athletic performances. Admission, 25 cents.
23. **Moorish Palace,** James Blair, Manager. Moorish palace, palm garden, Moorish castle, harem, cave, kaleidoscope, wax figures, etc. Admission, 25 cents.

INTERESTING EXHIBITS IN DEPARTMENT M.—ETHNOLOGY.

Exhibit  
No.

24. Model of Eiffel Tower, C. du Pasquier, Concessionaire. Model of Eiffel tower and of the gardens surrounding it, scale one-sixtieth. Admission, 10 cents.
25. Parisian Art Glass Spinning, August Leroy, Concessionaire. Manufacture and sale of French glassware. Admission, 10 cents.
26. Ferris Wheel, G. W. Ferris. A vertical revolving wheel, 264 feet in height, capable of carrying 2,160 people. Fare, 50 cents.
27. Ice Railway, Rankin and De la Vergne, Concessionaires. Sleighs running over ice and snow artificially made by the De la Vergne method. Fare, 10 cents.
28. Model of St. Peters, Rome, L. de B. Spridon, Concessionaire. Model of St. Peter's Church, Rome, scale one-sixtieth; also models of Cathedral of Milan, Piombino Palace and St. Agnese Church, portraits of the popes, papal coats of arms, etc. Admission, 25 cents.
29. French Pavilion and Cider Press, Cotton and Ziemen, Proprietors. Manufacture and sale of cider. Admission free.
30. Vienna Cafe, Konig and Griesser, Concessionaires. Restaurant.
31. Algerian and Tunisian Village, Ganon and Siflico, Concessionaires. Algerian and Tunisian village consisting of 30 bazaars, theater, cafe and grand bazaar. Admission, 25 cents.
32. East Indian Bazaar, Ardesher and Byramji, Concessionaires. Exhibit and sale of East Indian goods. Admission free.
33. Panorama of the Volcano of Kilauea, Lorin A. Thurston, Concessionaire. Panorama of the volcano of Kilauea, Island of Hawaii. Admission, 50 cents.
34. Austrian Village and Old Vienna, M. Jentysch, Concessionaire. Old Vienna, representation of a street 150 years ago. Manufacture and sale of Austrian articles in wood, amber, meerschäum, glass, etc. Restaurant, style "Constantinbeugel," and museum of Egyptian paintings. Admission, 25 cents.
35. Chinese Theater and Joss House, H. Sling, Manager. Restaurant, theater, joss house, and sale of Chinese articles. Admission, 10 cents.
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.

37. Dahomey Village, X. Pene, Concessionaire. Dahomey village of 30 houses, population of 69 people, museum of native arms, etc. Admission, 25 cents.
38. Brazillian Concert Hall, A. Ribeiro, Concessionaire. Dances given by the natives of the State of Maranhã, North Brazil, and sale of curios. Admission, 10 cents.
39. Lapland Village, P. H. Coney, President. Village of 24 Laps with reindeer, showing every-day life of the Laplanders. Admission, 25 cents.
40. Ostrich Farm, E. J. Johnson, Concessionaire. Exhibit of 28 living ostriches. Admission, 10 cents.
41. Hungarian Cafe and Concert Hall, J. O'Connor, President. Concerts by the Hungarian Ethnographic Concert Company of Buda-Pesh. Admission free.
42. Bedouin Camp, P. K. Bristani, Concessionaire. Showing Arab life in the desert. Performances from 10 to 12 A. M., and from 2 to 6 P. M. Admission, 25 cents.
50. French Novelties and Mosaics, E. Valensin, Concessionaire. Exhibit and sale of French novelties, and manufacture and sale of mosaics. Admission free.
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.

53. Steam Launches, World's Fair Steam Launch Co., E. R. Meeker and Chas. P. Willard. Steam launches—Transportation on Lake Front, South Pond, Grand Basin and North Lagoon. Round trip, 25 cents.
54. Gondolas, World's Fair Venetian Gondola Co., James McLagan, Secretary. Venetian gondolas and state barges, operated on the lagoons. Charges, from 25 cents up per person.
55. Electric Launches, Electric Launch and Navigation Co., C. D. Wyman, General Manager. Transportation through lagoons and basins. Charge, 50 cents.
56. Whaling Bark "Progress," Arctic Whaling Exhibit Co., M. M. Felix, Manager. Whaling Bark "Progress" containing museum of marine curiosities and relics. In the South Pond. Admission, 10 cents.
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.

Exhibit  
No.

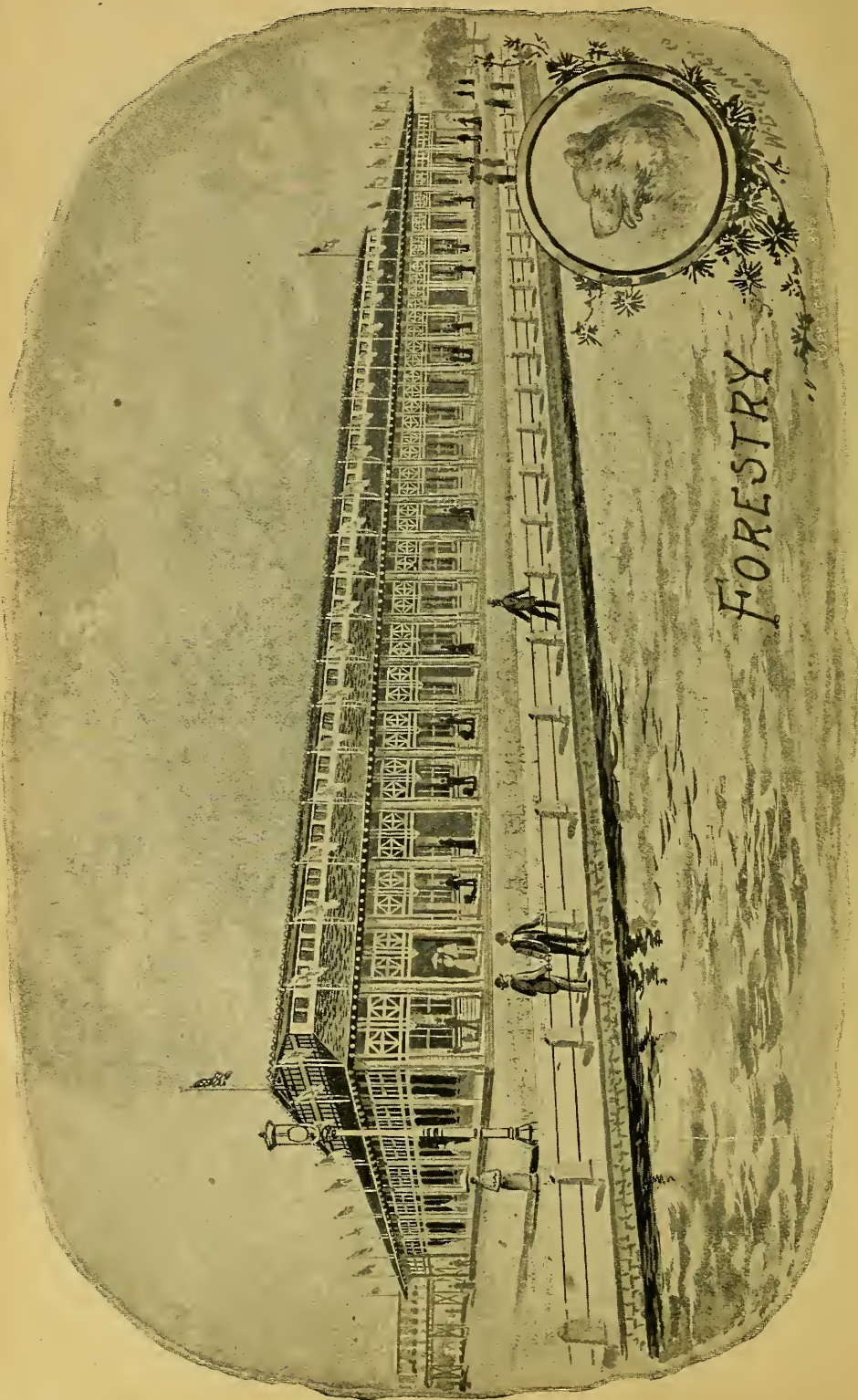
59. **Movable Sidewalk**, Long Pier, Multiple speed and Traction Co., W. E. Furness, President. Electrically propelled sidewalk. Charge, 5 cents.
60. **Electric Intramural Railway**, Columbian Intramural R. R. Co., W. E. Baker, General Manager. Elevated electric railway about Jackson Park,  $6\frac{1}{4}$  miles long. Trip, 10 cents.
61. **Esquimaux Village**, P. D. Daniel, President of Arctic World's American Exposition Co. Esquimaux Village of 12 houses, sealskin tent, representative snow house, 37 Esquimaux dogs, 2 reindeer, kyacks, spears and whips, curios, etc. Admission, 25 cents.
62. **Cliff Dwellers Exhibit**. Constructed by the H. I. Smith Exploring Co. The building is a reproduction of "Battle Rock" McElmo Valley scale  $\frac{1}{10}$ . Reproduction of "Cliff Palace," "Square Tower House," "Balcony House" and "High House" scale  $\frac{1}{10}$ ; also several thousand objects taken from ruins in the cliffs, including pottery, weapons, implements, ornaments, clothing and remains of mummified bodies. Admission, 25 cents.
63. **Nippon Tea House**, The Central Tea Association, H. Komada, Manager. Light lunches and samples of high grade teas. Admission, 10, 25 and 50 cents.

STATE BUILDINGS.

64. Texas State Building, L. J. L. Johnson, Superintendent.
65. Colorado State Building, O. E. French, Secretary.
66. Montana State Building, W. M. Bickford, Ex-Commissioner.

Exhibit  
No.

67. Maine State Building, C. P. Mattox, Ex-Commissioner.
68. Minnesota State Building, L. P. Hunt, Superintendent.
69. New Jersey State Building, W. S. Lenox, Secretary.
70. Ohio State Building, W. T. Alberson, Secretary.
71. Washington State Building, G. V. Calhoun, Ex-Commissioner.
72. Iowa State Building, F. N. Chase, Secretary.
73. California State Building, C. M. Wells, Secretary.
74. Connecticut State Building, J. H. Vaill, Ex-Manager.
75. Maryland State Building, G. L. McCahan, Ex-Commissioner.
76. New York State Building, John Foord, Secretary.
77. Louisiana State Building, T. J. Woonaud, Ex-Commissioner.
78. North Dakota State Building, Alfred Dickey, Ex-Commissioner.
79. Indiana State Building, Benj. F. Havens, Ex-Commissioner.
80. Kansas State Building, A. M. Clark, Secretary.
81. Virginia State Building, Jno. S. Apperson, Ex-Commissioner.
82. West Virginia State Building, W. N. Chancellor, President.
83. Pennsylvania State Building, A. B. Farquhar, Ex-Commissioner.
84. Massachusetts State Building, E. C. Hovey, Secretary.
85. Nebraska State Building, Jos. Garneau, Commissioner General.
86. Kentucky State Building, W. H. Dulaney, President.
87. South Dakota State Building, Thos. H. Brown, Secretary.



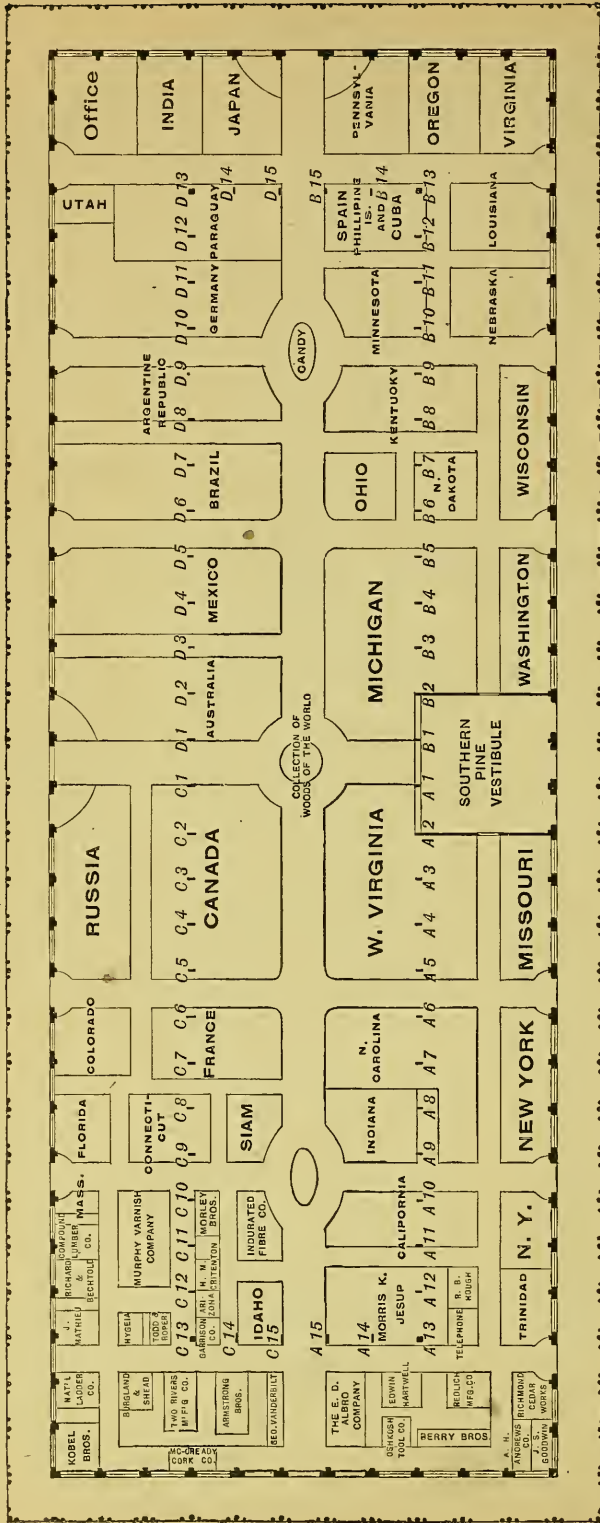
FORESTRY

# **FORESTRY BUILDING.**

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## **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.



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**WORLD'S COLUMBIAN EXPOSITION**  
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**W. B. CONKEY COMPANY,**  
 CHICAGO.



# INTERESTING EXHIBITS

## IN

### Department N.--Forestry.

#### UNITED STATES.

- | Exhibit No. |   | Location |
|-------------|---|----------|
| 1.          | Albro. E. D., Co., Cincinnati. Cabinet woods and veneers.   | A-15     |
| 3.          | Berry Bros., Detroit, Mich. Redwood plank, 16½ feet wide.   | A-13     |
| 4a.         | Connecticut, State of.  |          |
|             | <i>a</i> Collection of timbers.   | C-8-9    |
|             | <i>b</i> Curious growths, etc.  |          |
| 3b.         | California, State of.   |          |
|             | <i>a</i> Collection of woods and large cross section of redwoods, 875 years old.                                | A-10-11  |
|             | <i>b</i> Cork bark and acorns.  |          |
|             | <i>c</i> Pine cones for decoration.   |          |
|             | <i>d</i> Odd growths of buckeye, fir, madrone end sycamore. and redwood showing curious formation of the grain. |          |
|             | <i>e</i> 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, prickly ash; water, clammy, 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.
132. Yellow Poplar Lumber Co., Ashland. Yellow poplar.

#### MICHIGAN.

Location—Sec. B, 1 to 5.

23. State of Michigan.
- a* Sections of forest trees.
- b* Curious specimens of forest growth.

#### MINNESOTA.

Exhibit No.

Location—Sec. B, 10-11.

7. Minnesota, State of.
- 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.

9. Harmon, W. C., Gage County. White cottonwood.

#### 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 four-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.**

Exhibit  
No.

Location—Sec. B. 13.

4. **Bridal Veil Lumbering Co., Bridal Veil.** Noble and silver fir.
20. **State of Oregon.**  
*a* Collection of commercial woods; spruce 10 feet in diameter 25 feet from but; yellow fir block 6 feet in diameter.  
*b* Small house built of 35 varieties of native timber.
24. **Willamet Steam Mill Lumbering and Manufacturing Co., Portland.** Yellow fir.

**PENNSYLVANIA.**

Location—Sec. B-14.

5. **State of Pennsylvania.**  
*a* Oak, basswood, cottonwood, cherry, pine, chestnut, walnut, sycamore, hickory, poplar, sassafras, chinquapine, ash, birch, cucumber, hemlock, locust, dogwood, plum, crab, aspen, etc.  
*b* White pine, black cherry, American linden, sweet birch, eastern hemlock, green ash, chestnut, sugar maple and American beech.  
 East side of Colonnade.  
*c* Sugar maple. In center piece.  
*d* Model saw mill.

**WEST VIRGINIA.**

Location—Sec. A, 1-5

- 1a. **Board of World's Fair Managers, Parkersburg.**  
*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, silver bell, sassafras, red elm, white elm, mulberry, butternut, mountain alder, river birch, iron wood, laurel, chestnut; Spanish, swamp and burr oak.  
*b* Table made of eighty-two panels of native woods.

Exhibit  
No.

8. **West Virginia & Pittsburg R. R. Co., Weston.**  
*a* Hardwood logs, planks and saplings.  
*b* Photographs, etc.

**WISCONSIN.**

Location—Sec. B, 6-7

- 31a. **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.
39. **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. ✓

**ARGENTINE REPUBLIC.**

Location—Sec. D, 8-9

32. **Government of Jujuy.**  
*a* Cabinet woods.  
*b* Tanning and dyeing plants and barks.  
*c* Medicinal plants.  
*d* Forest beans.
34. **Government of Misiones.**  
*a* Cabinet woods.  
*b* Tanning and dyeing barks, plants and saw dusts.  
*c* Medicinal plants.
88. **Rouges, Carlos, Tucuman, Cedro.**
91. **San Germes, Pedro, Santiago del Estero.**  
*a* Woods.  
*b* Tanning and dyeing barks and sawdust.
102. **Tomassone, Hermanos, Santa Fe.** Cabinet woods.

**BRAZIL.**

Location—Sec. D, 6-7

1. **Navy Yard of the State of Para, Brazil.** Construction woods.

**BRITISH INDIA.**

Location—Sec. D, 13

3. **Conservator of Forests, Eastern Circle, Mandalay, Upper Burmah.** Carved doorway of teak wood.
9. **Inspector General of Forests, Simla.** Carved mantelpiece of shisham, redwood, walnut, boxwood and very old (from 600 to 2,000 years) teak and blackwood timber.

INTERESTING EXHIBITS IN DEPARTMENT N.—FORESTRY.

**CANADA.**

Exhibit  
No.

Location—Sec. C, 1-5

- 2. Finch Wood Preservative Co., Toronto. Paving blocks.
- 8. Provincial Government of British Columbia, Victoria. Forest products.

**FRANCE.**

Location—Sec. C, 6-7.

- 5. Dumont, E., Paris. Worked timber.

**GERMANY.**

Location—Sec. C, 10-11.

- 1. Bornheim, M. B., Cassel. Beer barrels,
- 3b. Koch, W., Berlin. Casks, barrels and tubs.

**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.

Exhibit  
No.

- b Trophy of wooden blocks of colonial hardwood timbers, and section of roadway in New South Wales court laid with the same on cement.
- c Collection of commercial timbers in merchantable lengths.
- d Barks of timber trees.
- e Herbarium specimens of timber, trees, shrubs, seeds and seed vessels.
- f Photographs of forest trees.

**PARAGUAY.**

Location—Sec. D, 15.

- 1. Government of Paraguay.
  - 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.

- 3. Chief Administration of Crown Lands.
  - 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.**

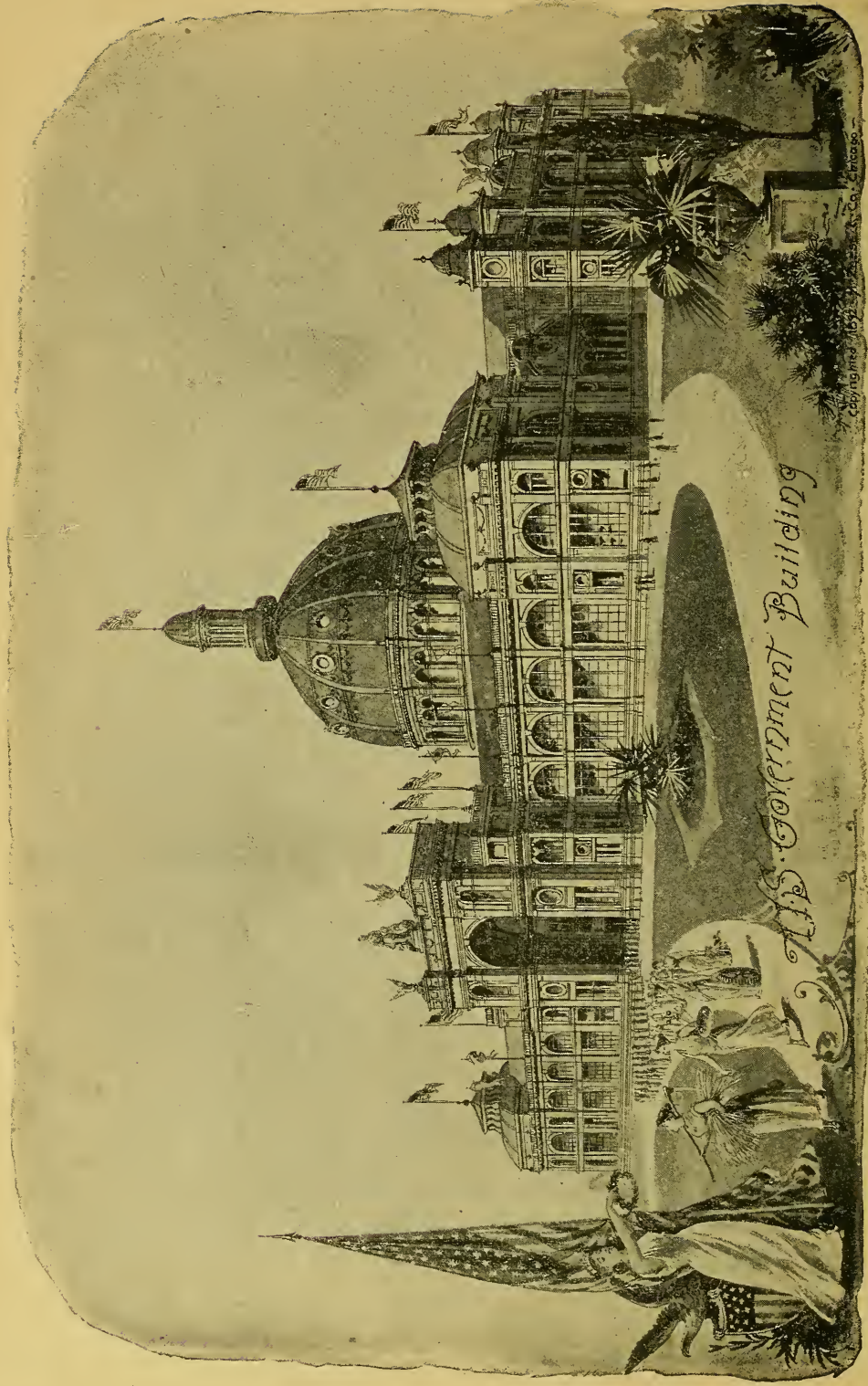
Location—Sec. C, 9-10.

- 1. Siamese Government.
  - 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.**

Location—Sec. B, 12-13.

- 6. Diaz, Antonio, Havana, Cuba. Mahogany log.
- 15. Portuondo Barcelo, Manuel, Manzanillo, Santiago de Cuba. Mahogany log.



U.S. Government Building

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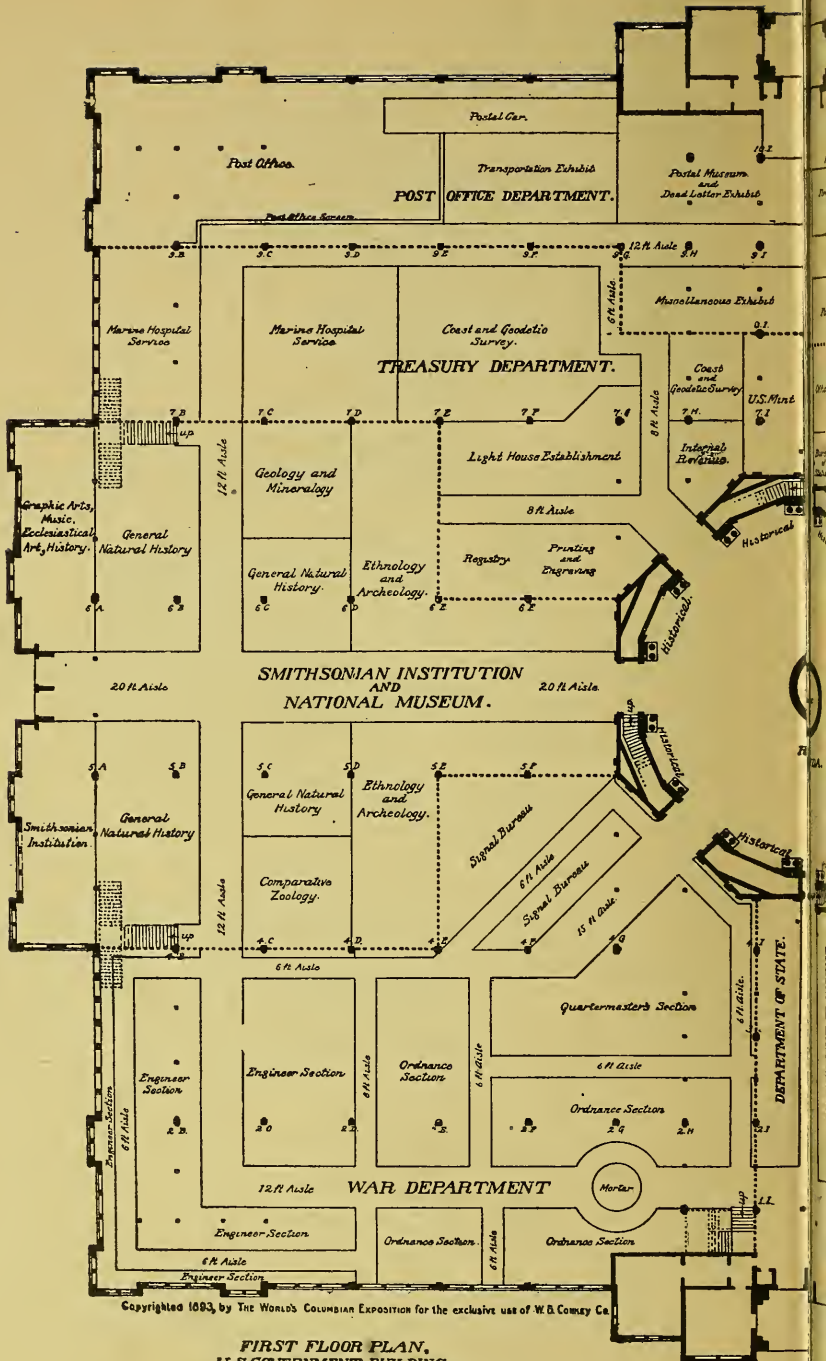
# THE GOVERNMENT BUILDING.

## 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-B.

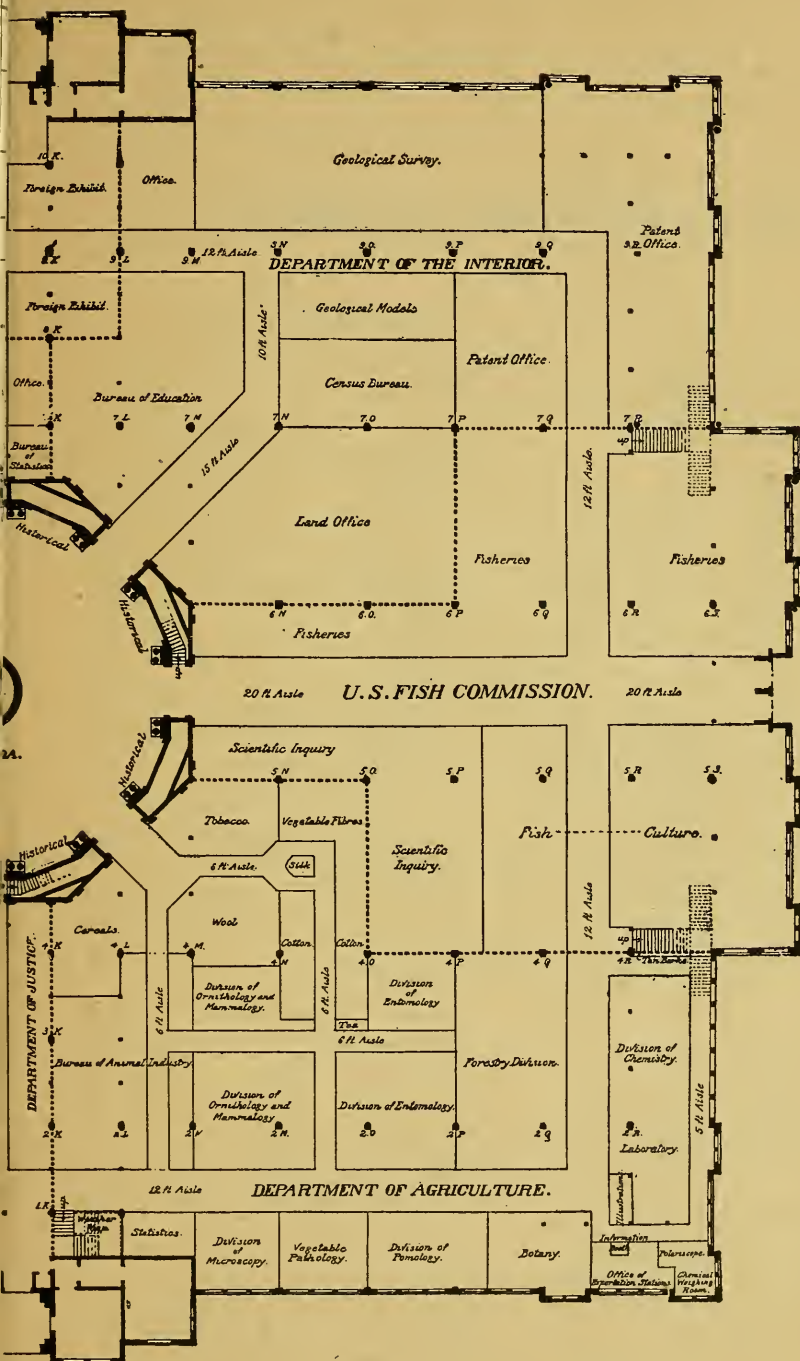
The Commercial Exhibit made by the Department of State is to be found in the east gallery, the stairs at post 1-I and 1-K leading to it.



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**FIRST FLOOR PLAN,  
U. S. GOVERNMENT BUILDING,  
WORLD'S COLUMBIAN EXPOSITION,  
CHICAGO, 1893,  
SHOWING DEPARTMENT AND BUREAU DIVISIONS.**

LAK  
SCALE: 20 FT.



IONT.  
 TO THE INCH.

# 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 Governments 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 enlightening 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 Declaration 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 equipped and manned.

#### Coast and Geodetic Survey.

62. Reconnaissance.

#### Bureau of Internal Revenue.

83. Current Issues of Stamps
84. Uncurrent Stamps.

#### Mint of United States.

80. United States Medals.
87. Coining Press.

#### U. S. Lighthouse Establishment

89. Fog Signals.
100. Light House.

#### Bureau of Engraving and Printing.

102. Specimens of engraved bonds in denominations, 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 implements used in engraving.



## INTERESTING EXHIBITS IN U. S. GOVERNMENT BUILDING.

Exhibit  
No.

108. United States Bonds, Prpper 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, 69½ feet; draught, 24 feet; displacement, 10,231 tons; twin screws, 9,000 I. 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 Gatlings, and Whitehead or Howell Aufomobile 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.
13. Hatching Apparatus Models and specimens.

### THE COLONIAL EXHIBIT.

Collected by Woman's Columbian Exposition Committee of Massachusetts. Exceedingly interesting.



Womans Buildings

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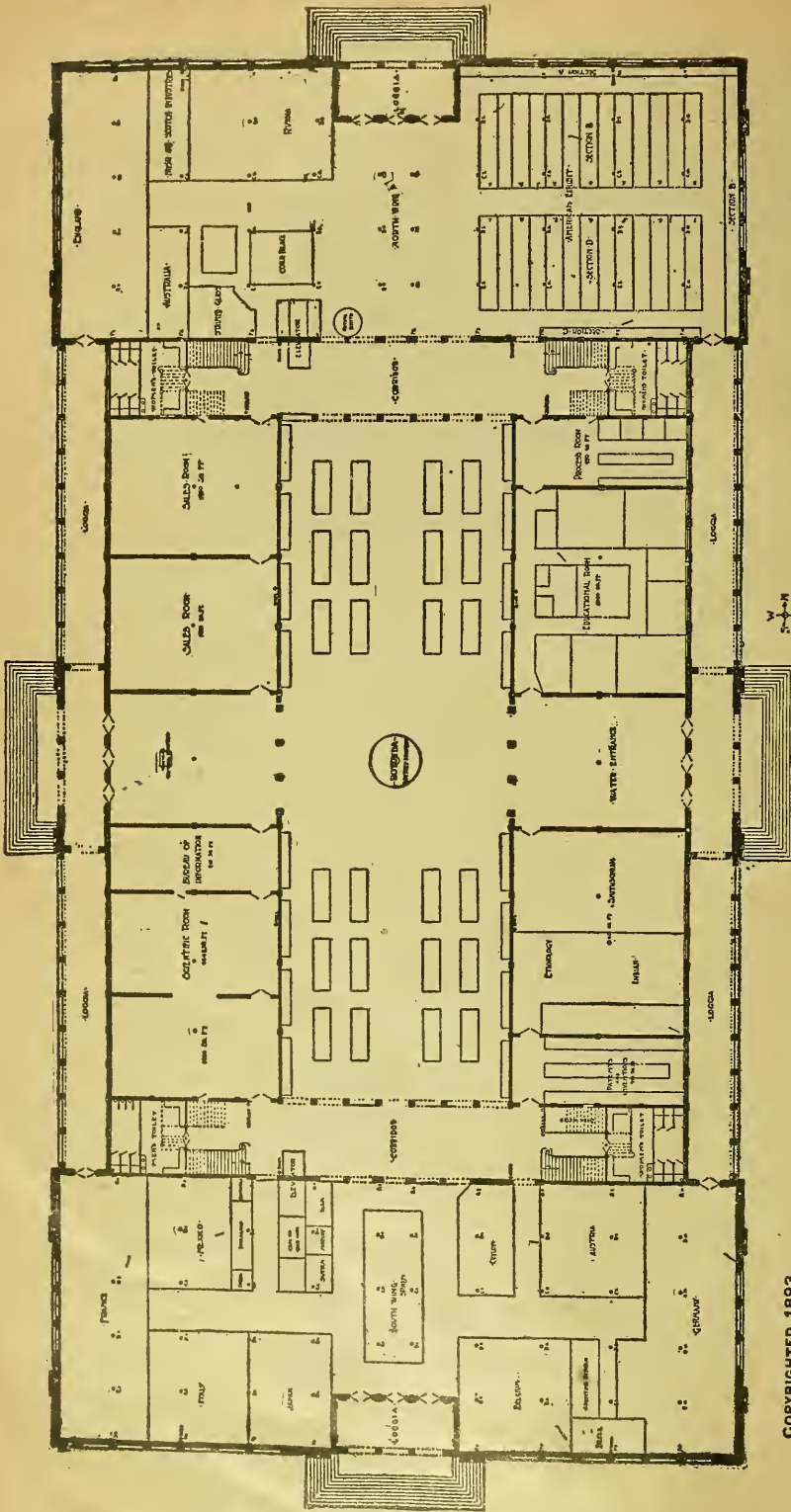
# WOMAN'S BUILDING.

## 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.

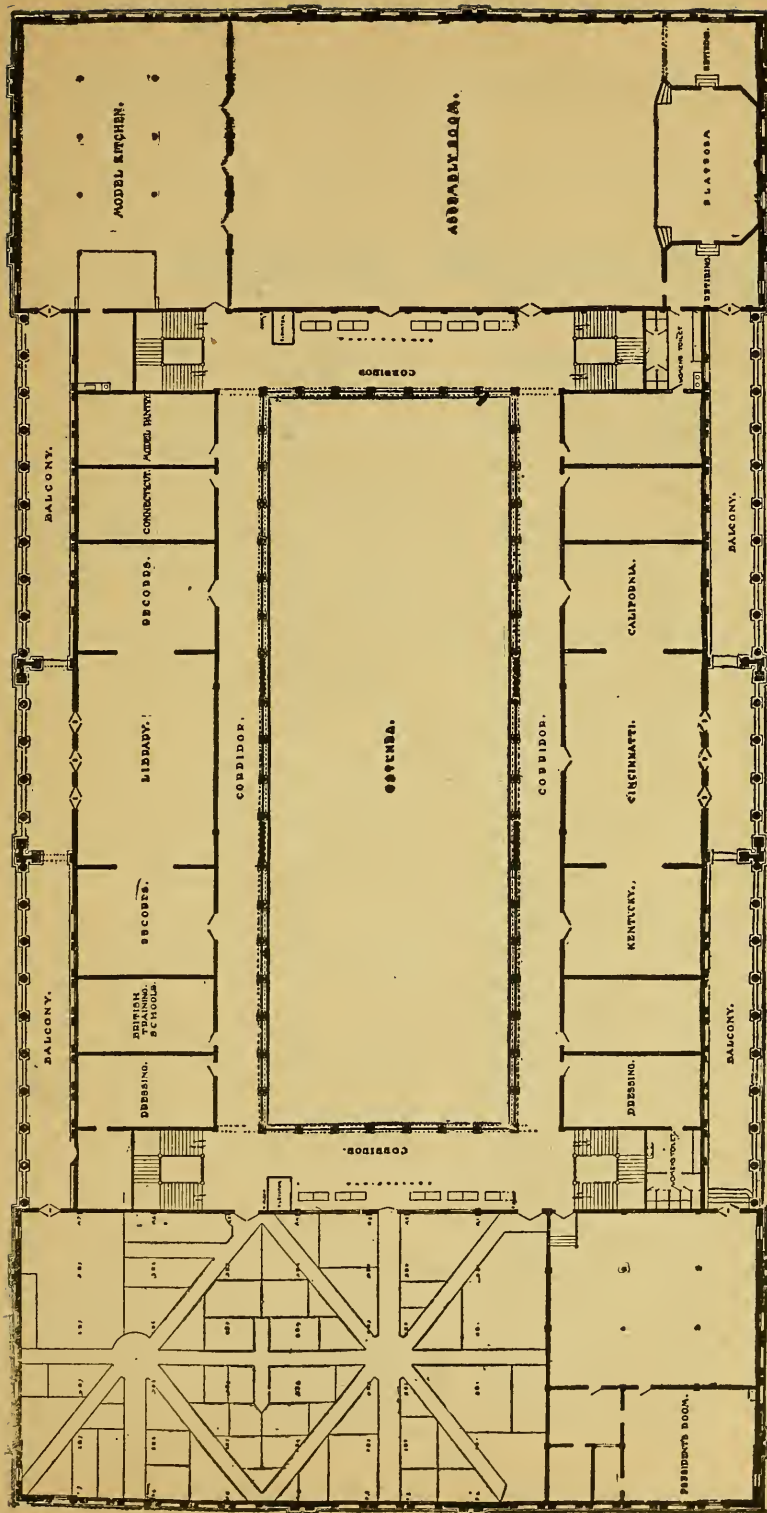


WORLD'S COLUMBIAN EXPOSITION  
 WOMAN'S BUILDING



PLAN OF FIRST FLOOR

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# 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 |
|--|------------|-----------|

#### Minerals, Ores, Native Metals, Gems and Crystals. Geological Specimens.

- |                             |  |            |
|-----------------------------|--|------------|
| 36a. Women of Montana.      | Gold, silver and copper nail used by Mrs. Palmer at the dedication of the Woman's Building. In Mineral Palace casket.  | Conn. room |
| 36b. Women of Nebraska.     | Silver hammer used by Mrs. Palmer at the dedication of the Woman's Building. In Mineral Palace Palace casket.  |            |
| 36c. Women of Pueblo, Col., | Miniature Mineral Palace.  | Conn. room |
|                             | Constructed of silver, gold and alabaster. Presented for dedication ceremonies of Woman's B'ld'g by the women of Pueblo, Col. Fac-simile of Mineral Palace located in Pueblo; the repository for fine mineral exhibits of the state. Casket contains "Montana Nail" and "Nebraska Hammer." |            |

#### Limestone, Cements and Artificial Stone.

- |  |         |  |
|--|---------|--|
| 39. Brown, Mrs. Emma O., Syracuse, N. Y. | Cement. |  |
|--|---------|--|

#### 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                            |
| 48. Hall, Fanny E., New York.                | Gas kiln for firing china and glass. |
|  | Pro. room                            |

#### Railways, Railway Plant and Equipment.

- |                                 |                       |           |
|---------------------------------|-----------------------|-----------|
| 49. Armstrong, Geneva, Chicago. | Model of a stock car. | Inv. room |
|---------------------------------|-----------------------|-----------|

#### 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                        |
| <b>Marble, Stone and Metal Monuments, Mausoleums, Mantels, Etc. Caskets, Coffins and Undertakers' Furnishing Goods.</b> |  |
| 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                              |
| 133. Women of Michigan.   | Copper statue of boy. Glass and Glassware.               |
| 134. Hall, Fanny E., New York.  | Decorated glassware.                                     |
| <b>Stained Glass in Decoration.</b>   |  |
| 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      |
| <b>Carvings in Various Materials.</b>   |  |
| 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. Hesewinkle, 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.                           |
| 156. Titus, Amanea C., Chicago.           | Combined cabinet and book-case carved.                    |

### Jewelry and Ornaments.

- |   |                                       |
|---|---------------------------------------|
| 164. Magnusson, 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.

- |                                    |  |
|------------------------------------|--|
| 169. Associated Artists, New York. | Weavings in gold and silk, and silver and silk. N. wing, B-C, 8-9. |
|------------------------------------|--|

### Clothing and Costumes.

- |  |                              |
|--|------------------------------|
| 175. Dodge, Mrs. Arthur M., New York.  | Costume dolls. N. wing, C, 7 |
| 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 |
| <i>a</i> 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.              |                   |
| <i>b</i> 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.

- Exhibit No. Location.
231. Decorative Art Society, Baltimore. N. wing, B-C, 10  
*a* Embroidered lunch cloth, napkins, doilies, etc.  
*b* Embroidered portiere, table covers, and screen.
- 234b. Dwelle, Mrs. L., Northwood, Iowa. Embroidery. N. wing, D-E, 4.
270. Hollis, J. H., Brooklyn, N. Y. Knitted work.
334. Roxburgh, Miss, London, England. White lace fan. N. wing, C, 10
371. Turkish Compassionate Fund, New York. N. wing, D-E, 6 and Rot. case 1  
*a* Embroidered bed spreads, center pieces, doilies, etc.  
*b* Art hand embroidery for home and table decoration.
- 386a. Woman's Work (Self-supporting) Exchange, St. Paul, Minn. N. wing, D-E, 10  
*a* Drawn work.  
*b* Art embroidery.

Hair Works, Coiffures, and Accessories of the Toilet.

388. Keith, Mrs. George, Maltese, Mo. Bouquets made of the hair of the ladies of the World's Fair Committee of St. Louis County, Mo.

Sculpture.

- 446a. Howland, Edith, Paris, France. Plaster bust—Maud Muller. Rot. S. W.  
 Hoxie, Vinnie Ream, Little Rock, Ark.  
 447. "Miriam." Rot. N. E.  
 448. "The West." Rot. C.  
 449. "America." Rot. W. C.  
 Nevin, Miss Blanche, Lancaster, Pa.  
 451a. Marble figure—Maud Muller.  
 Wadsworth, Fanny L., Philadelphia.  
 457. Bronze statuette, "David, the Shepherd." Rot. S. W.

Paintings in Oil.

- Brooks, Maria, New York.  
 473. Down Piccadilly. Rot. S. W.  
 France, Mrs. Eurilda Loomis. Pittsburg, Pa.  
 493. Preoccupation. Rot. S. W.  
 Guysi, Miss C., Cincinnati.  
 497b. Girl and Geese. Cinn. room.  
 Klumpke, Anna E., Boston.  
 517. Portrait of Miss M. D. Rot. S. W.  
 Smith, Letta C., Detroit, Mich.  
 546. Five O'clock Tea. Rot. S. W.

- Exhibit No. Location.
- Solari, Mary M., Memphis, Tenn.  
 597. Campanile of Santa Croce, Florence, Italy.

Paintings on Ivory, on Enamel, on Metal, on Porcelain, or other Wares; Fresco Painting on Walls and Tapestry Painting.

605. Archambault, Miss Agnes M., Philadelphia. Tapestry painting—"The Madonna." N. Gal.

Chalk, Charcoal, Pastel and Other Drawings.

668. Solari, Mary M., Memphis, Tenn. Crayon work. E gal., Sec. L and N. W. stairway

Instruments of Precision, Experiment, Research and Photography. Photographs.

- 731a. Uhlmer, Miss Florence, Salt Lake City, Utah. Photographs of Society Girls. E. gal., Sec. P

Religious Organizations and Systems—Statistics and Publications.

753. Girls' Lutheran Industrial School, Guntur, South India. Art embroidery executed by pupils of the school. S. wing, D, 9  
 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.  
 11a. Hammerschmidt-Abdullah, Hermine, Vienna. Fans.  
 14. Imperial Royal Institute for Art Embroidery and the manufacture of laces, Vienna.  
*a* Laces. Rot. case 6-7  
*b* Embroidery.  
*c* Art embroidery.



## INTERESTING EXHIBITS IN WOMAN'S BUILDING.

- Exhibit No.
22. Reinelt, Baroness Angelica, Vienna. Antique and modern laces.  
Von Kirchsberg, Mrs. E., Vienna.
35. Farm House in Lower Austria.  
Rot. N. W.  
Schweninger, Mrs. Rosa, Vienna.
44. Be Good Again. Rot. N. W.  
Mayreder - Obermayer, Mrs. Rosa, Vienna.
50. Roses. Rot. N. W.

### 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.
24. Belgium Women's Committee, Brussels. Fire screen.  
Beernaert, M'lle Euphrosine, Brussels.
29. An Autumn Evening.  
Triest-van Mulders, Mme., Brussels.
35. Geraniums.  
Her Majesty the Queen.
38. Cytises.
39. Cyclamens.

### CAPE OF GOOD HOPE.

Location—South Wing, B, 3.

10. Figures of Bushmen in full dress—Kaffir mantle, apron and belts; Mosuto woman's dress.
13. Wild skin rugs and sleeping mats.
15. Embroidery, pin-cushion, table-cloth, doilies and Kaffir handkerchiefs.
20. 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, Christianssaede. Embroidery.
13. Danneskjold-Samso, Countess Fernanda, Copenhagen. Laces.
16. De Neergaard, Mme., Gunderslevholm. Hand-made tapestry.
26. Stausholm, Chr., Copenhagen. Embroidered dresses.
31. Her Majesty the Queen of Denmark. Roses; signed 1845.

- Exhibit No.
- H. R. H. the Princess Waldemar of Denmark.
33. Apples.
34. Mushrooms.
35. Hay cart.

### FRANCE.

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

4. Christofle, C. & Co., Paris. Tea service.
41. Bureau-Bigot, Mme. Fanny, Paris. Corsets and skirts.
48. Meyer, Esther, Paris. Hats.
59. Buissot, Mme. E., Paris.  
a Fans. Rot. cases 34, 38 and 39  
b A collection of ancient fans.  
So. end of Rot.
69. Greffuhle, Countess, Paris.  
a Embroidered fans.  
b Embroidered screens.
70. Grollier, Marquise de, Paris. Fan.  
Rot. case 34
71. Henry, a la Pensee, Women Employes of, Paris.  
a Embroidered fan.  
b Cushion.  
c Tapestry.
81. Leroudier, Mme., Lyon.  
a Ancient embroidery. Rot. case 35  
b Modern art embroidery.  
French sec. and N. gal.
88. Poirier & Remon, Paris. Ancient embroidery. Rot. case 35
89. Saulnier, Mme., John, Bordeaux. Sixteenth century pearl and precious stone jewelry. Rot. case 35
- Bashkirtseff, M'lle Marie.
112. Jan and John. Rot. S. E.
- Buchet, Mme. Julie, Paris.
115. Gallery of the Venus of Milo. Rot. S. E.
- Muraton, Mme. Euphenie, Paris.
125. Perlette. Rot. S. E.
- Villebesseyx, Mme. Jenny, Paris.
129. Chrysanthemums. Rot. S. E.
- Michaud, M'lle Marie.
152. Painted porcelain miniature.  
Rot. case 37
- Neiter, Mme. Gabrielle, Paris.
154. Painting on round table in Salon in French section.  
Richard, M'lle, National Manufactory, Sevres.  
Paintings on porcelain.
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.
71. Christ Pardouing the Sinner. Kirsch, Miss Johanna, Munich. Rot. N. E.
72. Madonna's Feast Day. Roederstein, Miss Ottilie W., Frankfurt-on-the-Main. Rot. N. E.
86. The Month of Mary. Von Preuschen, Mrs. Hermine, Hockendorf. Rot. N. E.
98. Titian's pupil and Irene von Spilimberg in the Condola of Death.

**GREAT BRITAIN.**

Location—North Wing, A-F, 1, unless otherwise specified.

Pictures Sent by Her Majesty and the Royal Family.

37. View from the Queen's room at Balmoral, in snow, November 12, 1880. N. E. gal.
40. "Spot," the Queen's for terrier, January 25, 1891. N. E. gal.
42. View from the Queen's sitting-room at Balmoral in autumn, 1878. N. E. gal.
48. "To the Front" (French cavalry leaving a Breton town on declaration of war), Lady Butler. Rot. N. W.
51. "An English Maiden," Mrs. Jopling-Rowe. Rot. N. W.
- 54a. "An Uninvited Guest," Miss Fannie Moody. Rot. N. W.
56. "Eurydice Sinking Back to Hades," Miss Henrietta Rac. Rot. N. W.
58. 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 Yakutch 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

**GAUTEMALA.**

Location—South Wing, E, 9.

2. Klee, Matilde, Guatemala. Shawl.
9. Nicolasa, Quiche. Head gear used by natives.

Exhibit No.

14. Cotero, Manuela M., Guatemala.  
*a* Embroidered silk handkerchief.  
*b* Silk cushion embroidered in gold.
30. School of Chimaltenango, Chimaltenango. Kindergarten articles.

**INDIA.**

Location—North Wing, E, 1.

3. Ganguli, Pearl., London, England. Model of a pearl and precious stone necklace, made by Bengali ladies.
9. Carmichael, Mrs. David, London, England.  
*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 Jât and Baishnava women of Bikanir.  
*e* Cushion embroidered by Assif Bibi, a widow, aged fifteen, teacher at the Hobart School, Madras.
10. Constable, A., London, England.  
*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 coupe*, Genoese point and Sicilian laces.

**JAPAN.**

Location—South Wing, D-F, 3-4.

9. Kawamota, Miss Masa, Aichi. Porcelain flower vases.
30. Japanese Ladies' Committee, Tokio. Figured silk fabrics, loaned by the household of Her Majesty the Empress Dowager.







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INDIANA

